

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066124.D
 Acq On : 05 Aug 2020 11:30
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 8/6/2020 1:54:18 PM

Quant Time: Aug 05 13:43:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	356242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	508855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	473756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243178	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	57152	17.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.90%	
35) Dibromofluoromethane	7.91	113	60791	18.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.38%	
50) Toluene-d8	10.34	98	219454	18.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.94%	
62) 4-Bromofluorobenzene	12.63	95	79838	18.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72179	21.798	ug/l	96
3) Chloromethane	2.20	50	53234	20.431	ug/l	89
4) Vinyl Chloride	2.34	62	45609	20.453	ug/l	96
5) Bromomethane	2.74	94	28033	18.384	ug/l	93
6) Chloroethane	2.90	64	26459	19.048	ug/l	96
7) Trichlorofluoromethane	3.26	101	112175	19.311	ug/l	97
8) Diethyl Ether	3.70	74	30700	19.366	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	66087	19.239	ug/l	97
10) Methyl Iodide	4.29	142	41553	19.701	ug/l	98
11) Tert butyl alcohol	5.23	59	30200	79.698	ug/l	96
12) 1,1-Dichloroethene	4.06	96	62673	19.440	ug/l	97
13) Acrolein	3.92	56	24927	96.836	ug/l	99
14) Allyl chloride	4.70	41	94158	19.459	ug/l	99
15) Acrylonitrile	5.42	53	64635	96.970	ug/l	97
16) Acetone	4.16	43	53333	87.090	ug/l	94
17) Carbon Disulfide	4.40	76	200552	19.540	ug/l	99
18) Methyl Acetate	4.71	43	28777	18.322	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	142069	19.670	ug/l	99
20) Methylene Chloride	4.96	84	82707	18.311	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	72020	19.407	ug/l	93
22) Diisopropyl ether	6.36	45	188560	19.718	ug/l	96
23) Vinyl Acetate	6.30	43	543131	98.141	ug/l	99
24) 1,1-Dichloroethane	6.26	63	115369	19.338	ug/l	98
25) 2-Butanone	7.21	43	85727	94.622	ug/l	97
26) 2,2-Dichloropropane	7.20	77	102767	18.817	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	73569	19.157	ug/l	98
28) Bromochloromethane	7.54	49	40470	19.410	ug/l	100
29) Tetrahydrofuran	7.56	42	52728	95.749	ug/l	99
30) Chloroform	7.71	83	119152	18.977	ug/l	100
31) Cyclohexane	7.97	56	107062	18.405	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	114368	19.466	ug/l	100
36) 1,1-Dichloropropene	8.11	75	96641	19.676	ug/l	99
37) Ethyl Acetate	7.28	43	34544	18.124	ug/l	98
38) Carbon Tetrachloride	8.09	117	107143	19.622	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	115650	19.843	ug/l	94
40) Benzene	8.34	78	266270	19.536	ug/l	95
41) Methacrylonitrile	7.52	41	23387	21.533	ug/l	92
42) 1,2-Dichloroethane	8.42	62	74603	18.741	ug/l	99
43) Isopropyl Acetate	8.44	43	73642	19.772	ug/l	98
44) Trichloroethene	9.11	130	81933	20.117	ug/l	96
45) 1,2-Dichloropropane	9.38	63	64551	19.564	ug/l	98
46) Dibromomethane	9.47	93	34850	19.210	ug/l	96
47) Bromodichloromethane	9.66	83	92036	19.185	ug/l	97
48) Methyl methacrylate	9.45	41	37692	19.213	ug/l	99
49) 1,4-Dioxane	9.46	88	9278	398.763	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	186961	96.328	ug/l	100
52) Toluene	10.40	92	172997	19.393	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	88194	19.623	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	104378	19.865	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	49122	18.580	ug/l	96
56) Ethyl methacrylate	10.66	69	59814	19.723	ug/l	98
57) 1,3-Dichloropropane	10.94	76	85828	19.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	136532	98.951	ug/l	98
59) 2-Hexanone	10.98	43	132014	97.267	ug/l	96
60) Dibromochloromethane	11.14	129	69215	19.124	ug/l	98
61) 1,2-Dibromoethane	11.24	107	49941	19.921	ug/l	98
64) Tetrachloroethene	10.87	164	73178	19.707	ug/l	96
65) Chlorobenzene	11.67	112	193907	19.721	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	74746	19.337	ug/l	98
67) Ethyl Benzene	11.74	91	334053	19.797	ug/l	99
68) m/p-Xylenes	11.86	106	261368	39.828	ug/l	99
69) o-Xylene	12.18	106	117609	19.917	ug/l	100
70) Styrene	12.20	104	210083	20.196	ug/l	100
71) Bromoform	12.36	173	43719	19.223	ug/l #	99
73) Isopropylbenzene	12.48	105	331375	20.246	ug/l	100
74) N-amyl acetate	12.29	43	69931	19.860	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	54493	19.198	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43986m	21.847	ug/l	
77) Bromobenzene	12.76	156	84757	19.944	ug/l	99
78) n-propylbenzene	12.83	91	383892	20.079	ug/l	99
79) 2-Chlorotoluene	12.91	91	217762	19.862	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	276258	20.149	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17376	18.896	ug/l	97
82) 4-Chlorotoluene	13.01	91	228208	19.650	ug/l	99
83) tert-Butylbenzene	13.23	119	243042	20.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	279155	20.246	ug/l	99
85) sec-Butylbenzene	13.41	105	323288	19.865	ug/l	98
86) p-Isopropyltoluene	13.52	119	310673	20.297	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	158808	19.641	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	157740	19.636	ug/l	98
89) n-Butylbenzene	13.85	91	272985	20.109	ug/l	99
90) Hexachloroethane	14.11	117	60235	19.697	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	140427	19.693	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9605	19.882	ug/l	93

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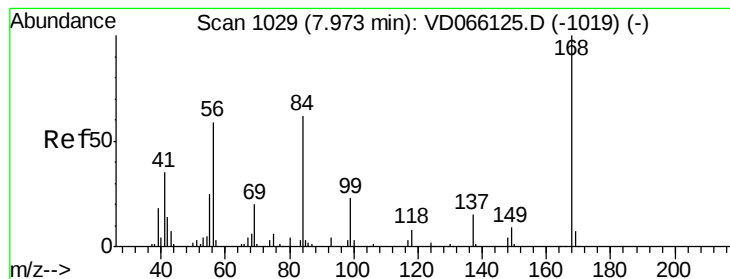
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	101525	19.838	ug/l	100
94) Hexachlorobutadiene	15.28	225	59573	19.603	ug/l	98
95) Naphthalene	15.41	128	162668	20.148	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	90128	19.887	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tot Ion: 168 Resp: 356242

Ion Ratio Lower Upper

168 100

99 48.7 42.2 63.4

Instrument :

MSVOA_D

ClientSampleId :

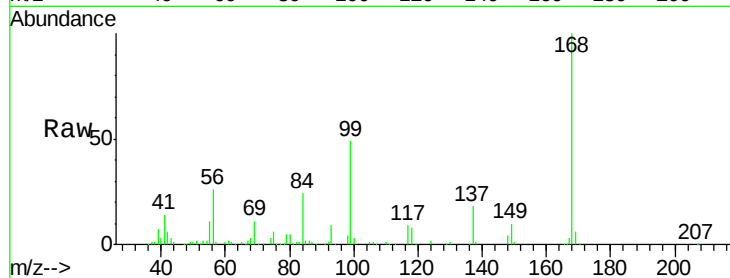
VSTDIC020

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

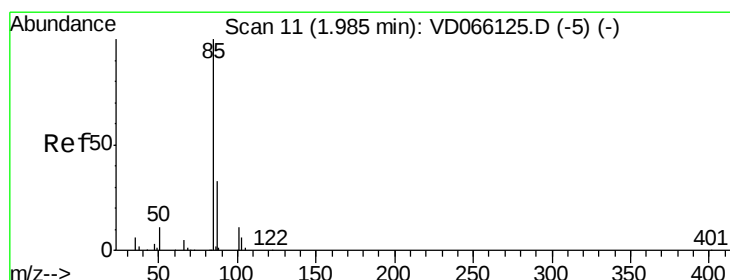
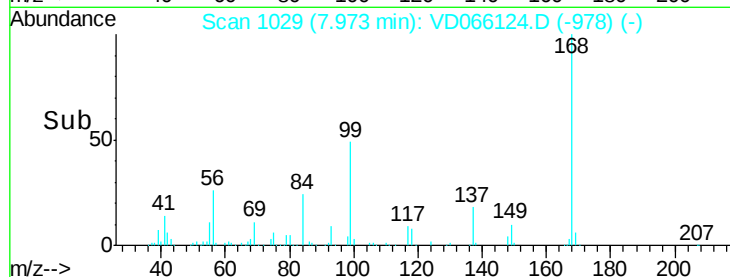
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.798 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066124.D

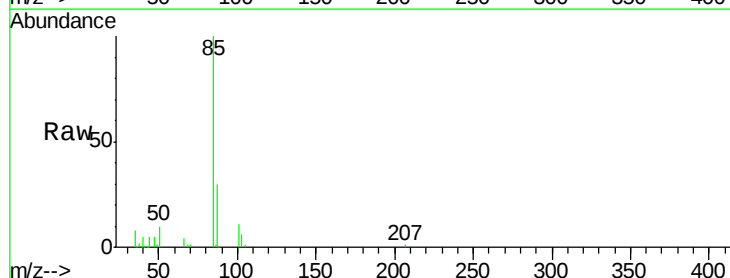
Acq: 05 Aug 2020 11:30

Tgt Ion: 85 Resp: 72179

Ion Ratio Lower Upper

85 100

87 30.4 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

60000

50000

40000

30000

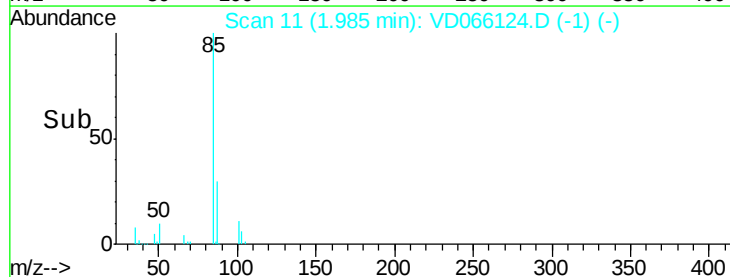
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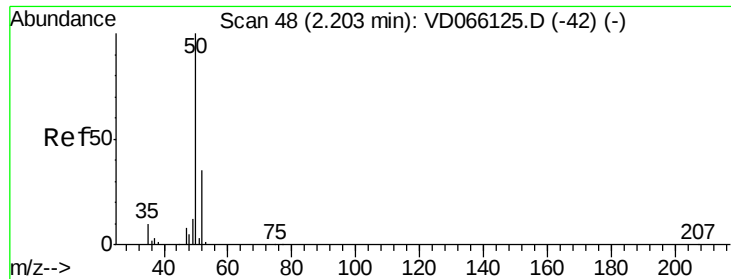
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.431 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 53234

Ion Ratio Lower Upper

50 100

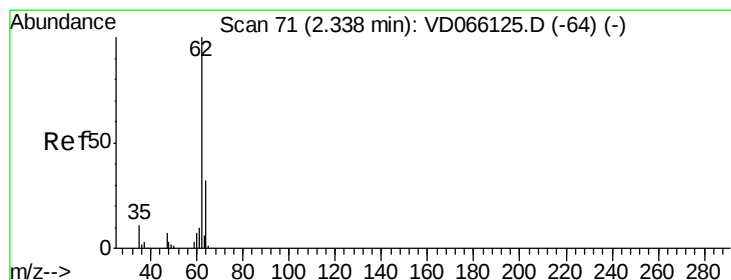
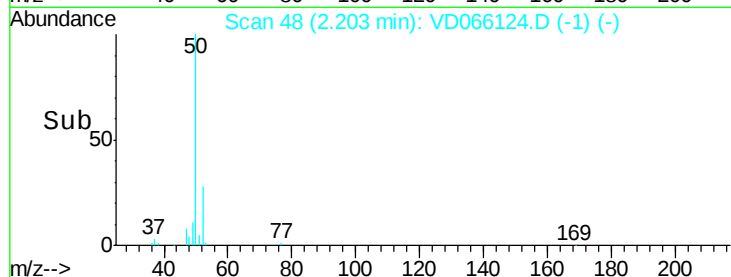
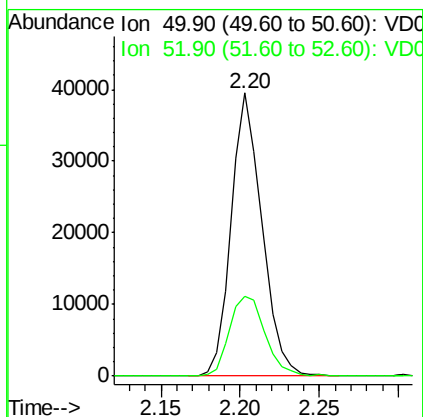
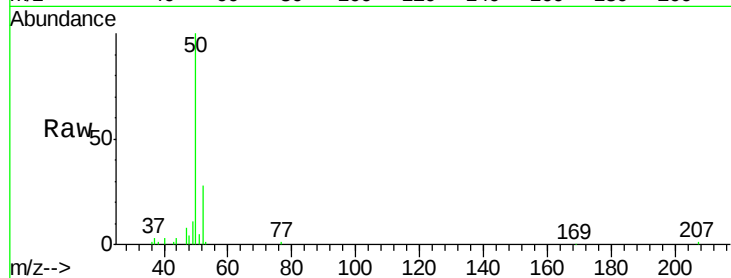
52 28.3 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.453 ug/l

RT: 2.34 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD066124.D

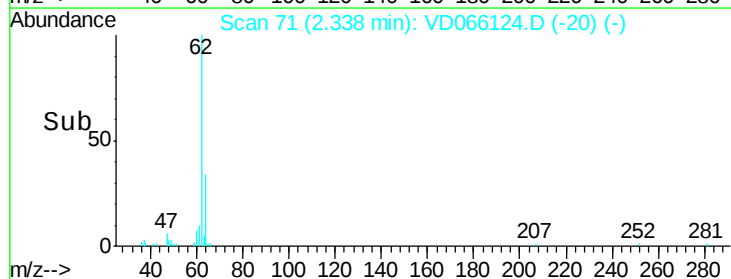
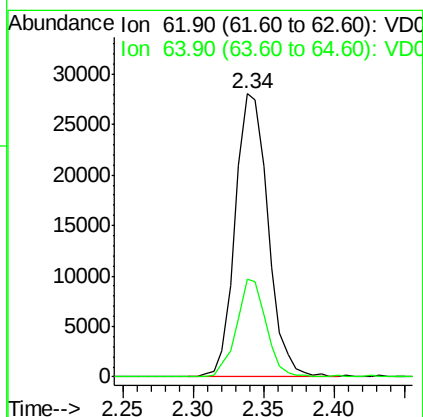
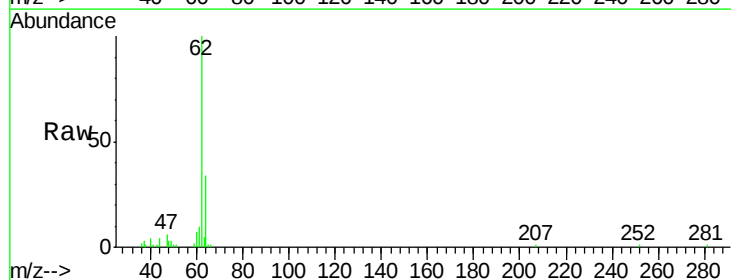
Acq: 05 Aug 2020 11:30

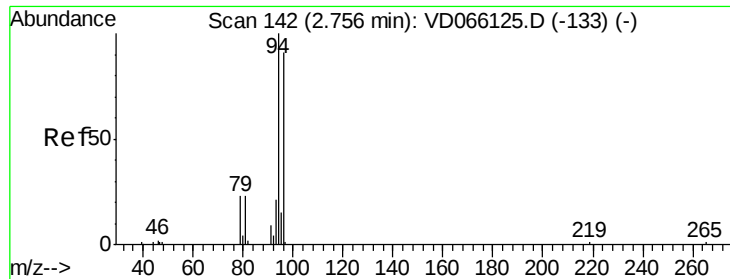
Tgt Ion: 62 Resp: 45609

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.8





#5

Bromomethane

Concen: 18.384 ug/l

RT: 2.74 min Scan# 139

Delta R.T. -0.02 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 28033

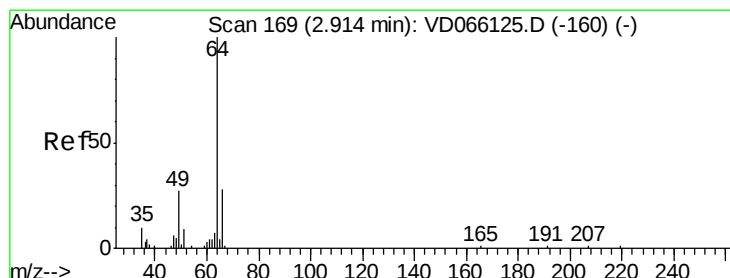
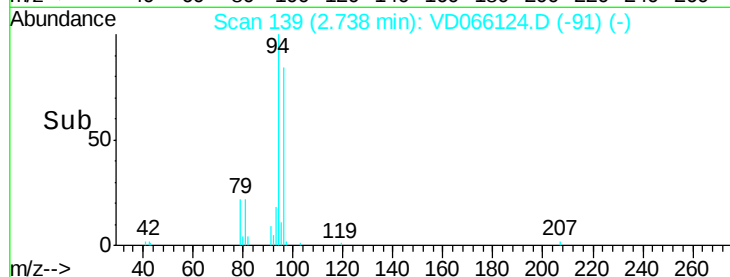
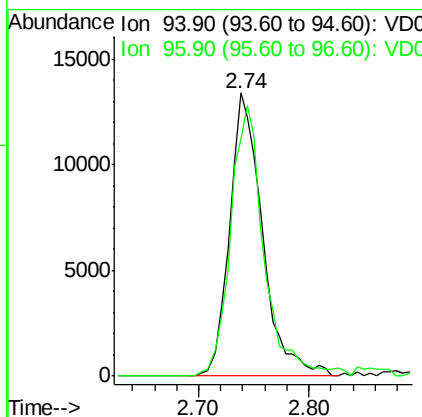
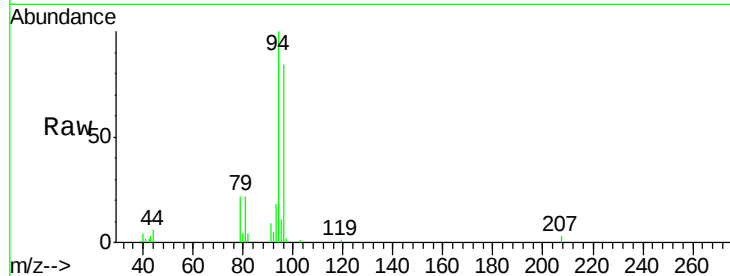
Ion Ratio Lower Upper

94 100

96 84.0 72.6 109.0

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#6

Chloroethane

Concen: 19.048 ug/l

RT: 2.90 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD066124.D

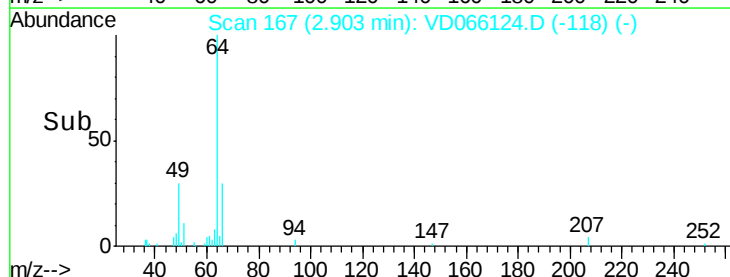
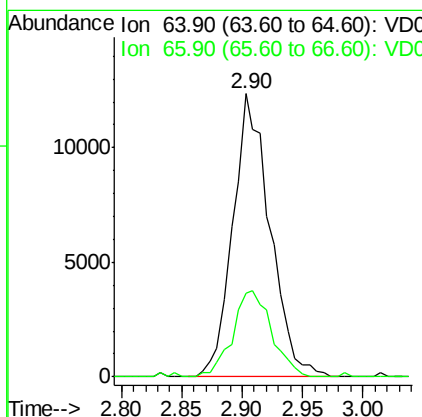
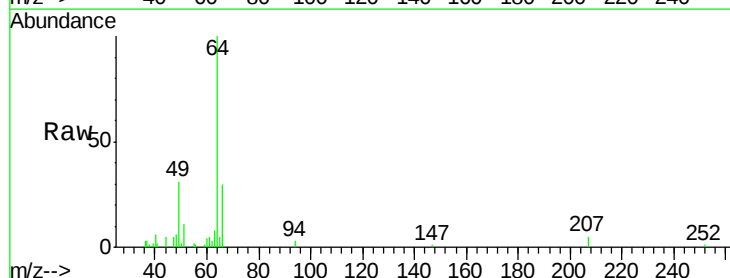
Acq: 05 Aug 2020 11:30

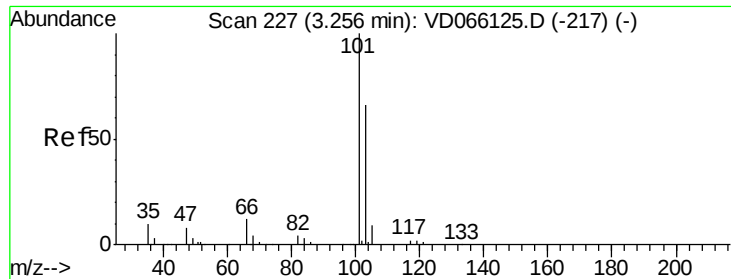
Tgt Ion: 64 Resp: 26459

Ion Ratio Lower Upper

64 100

66 29.6 22.0 33.0





#7

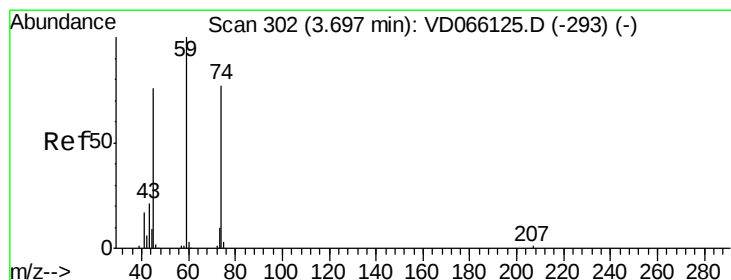
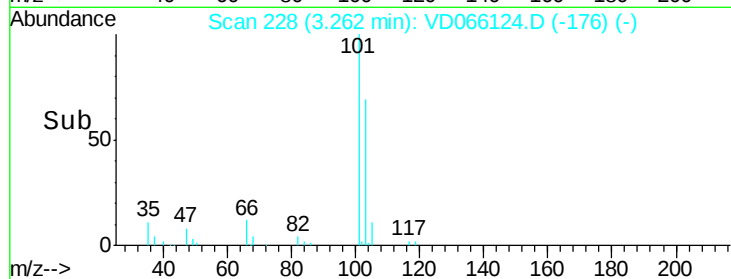
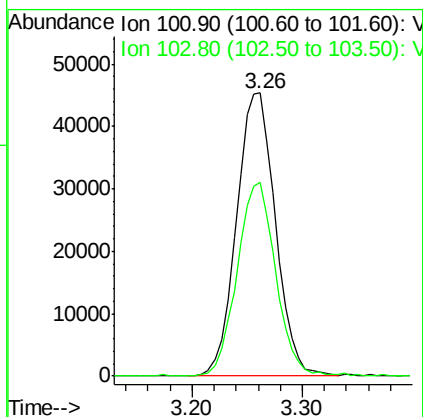
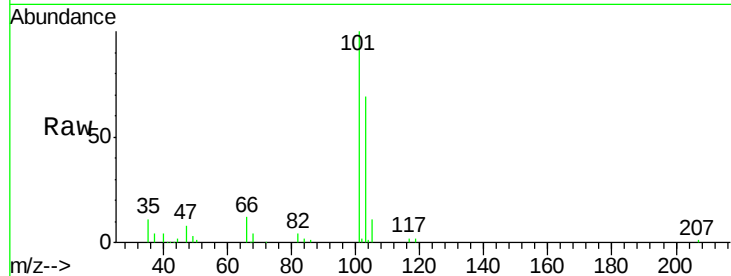
Trichlorofluoromethane
Concen: 19.311 ug/l
RT: 3.26 min Scan# 228
Delta R.T. 0.01 min
Lab File: VD066124.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	112175		
103	68.5	53.0	79.6	

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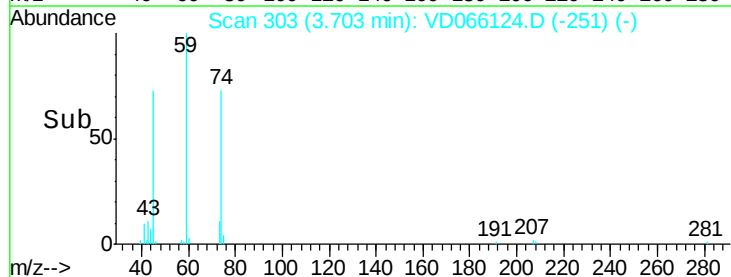
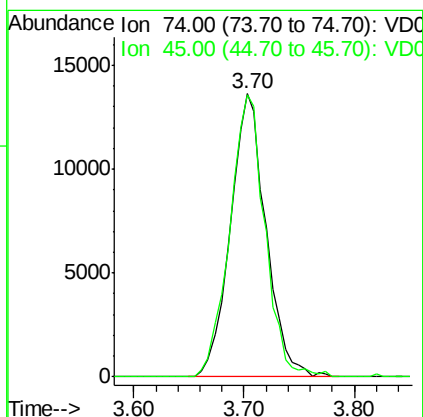
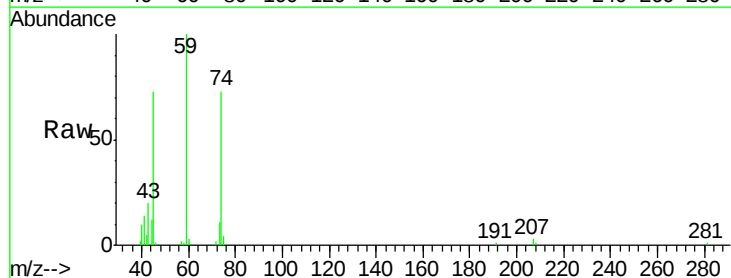
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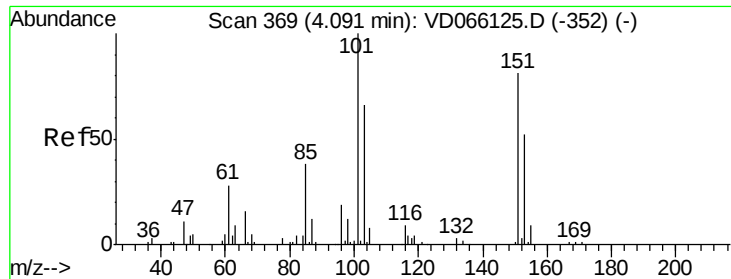


#8

Diethyl Ether
Concen: 19.366 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	30700		
45	99.1	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.239 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

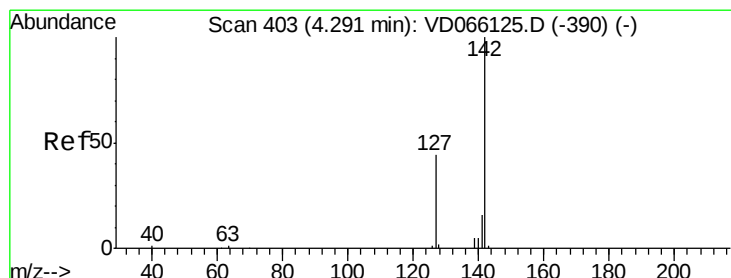
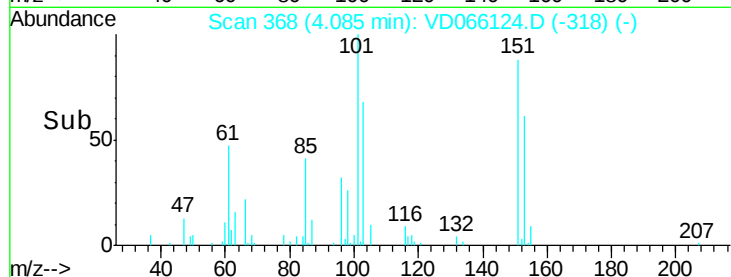
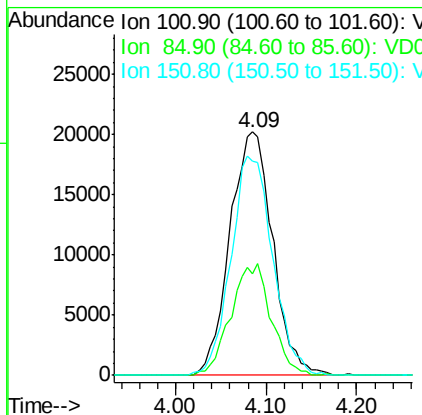
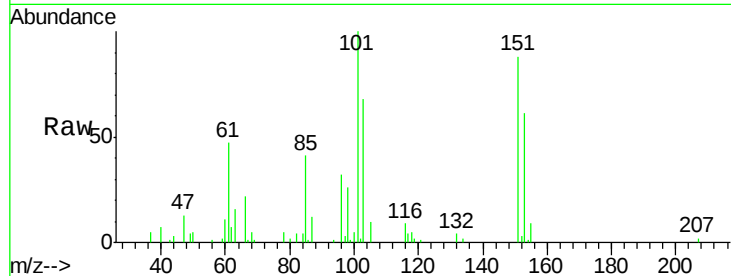
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	66087
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.5	50.3
151	88.2	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.701 ug/l

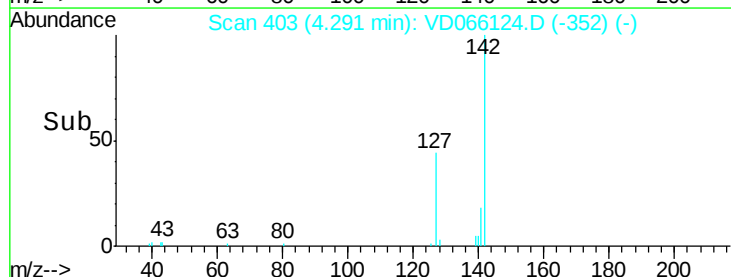
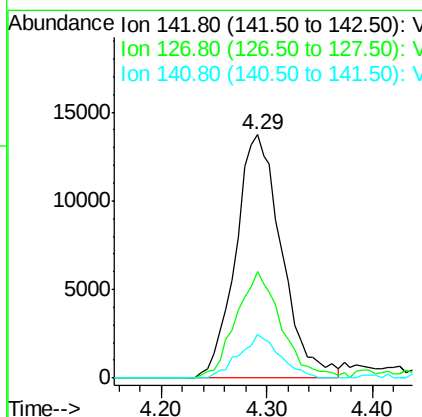
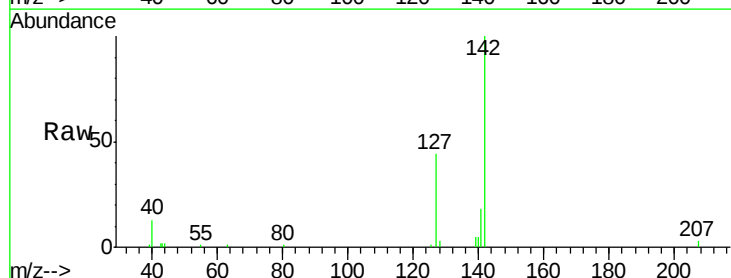
RT: 4.29 min Scan# 403

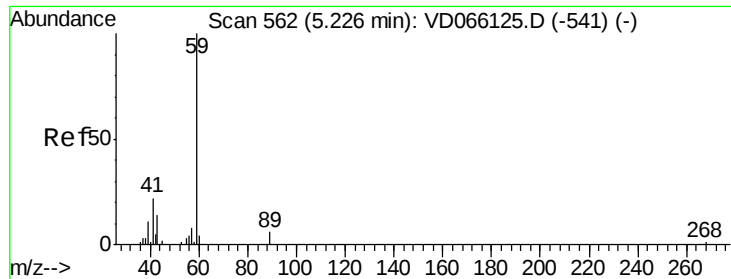
Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tgt Ion:	142	Resp:	41553
Ion Ratio	Lower	Upper	
142	100		
127	43.1	36.2	54.4
141	15.8	12.6	18.8





#11

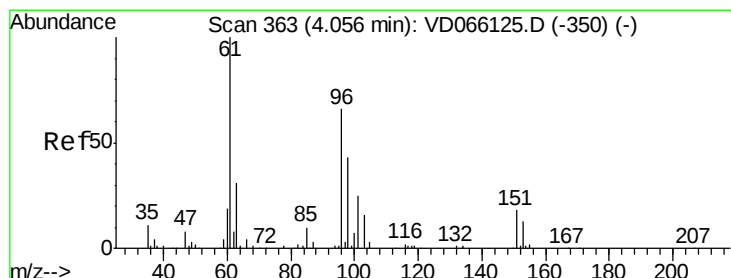
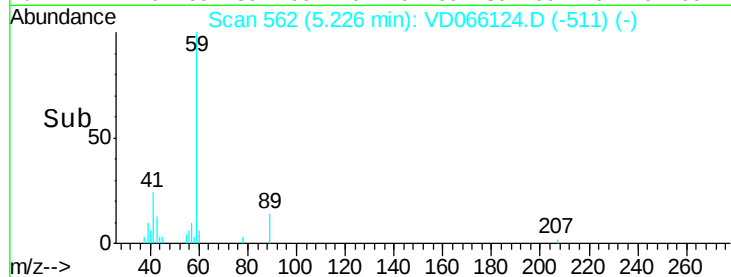
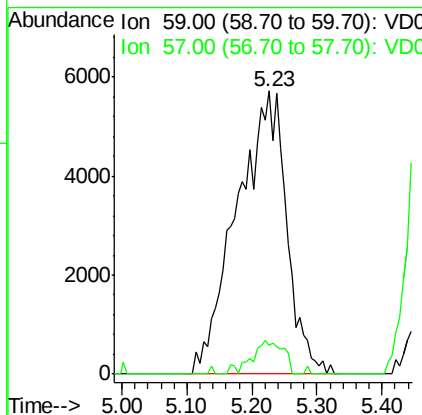
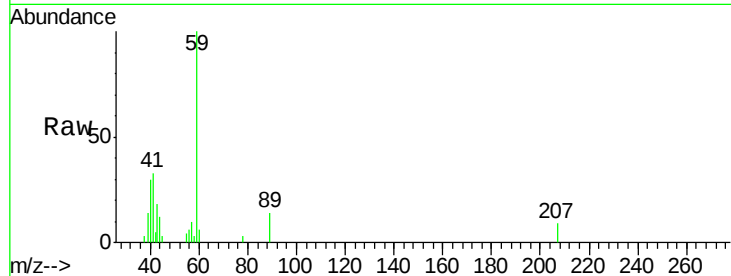
Tert butyl alcohol
Concen: 79.698 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.1	7.0	10.4

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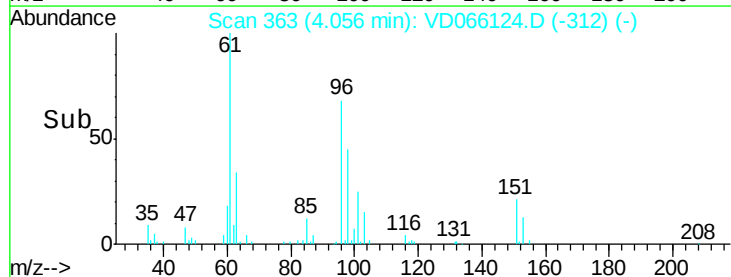
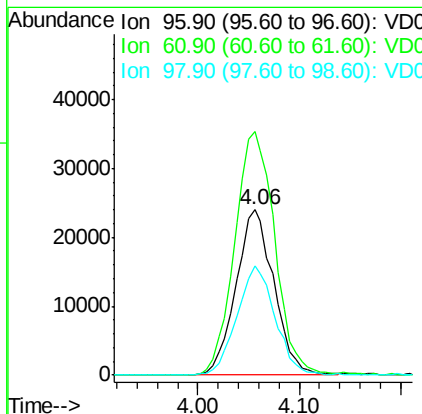
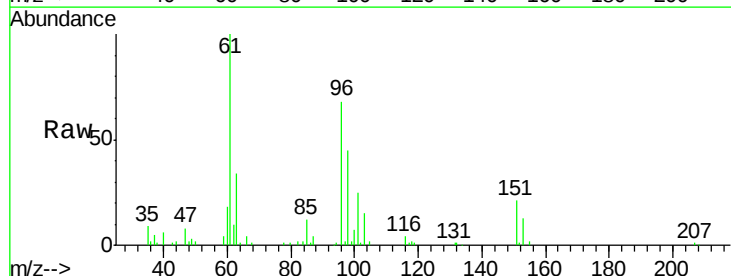
MMDadoda
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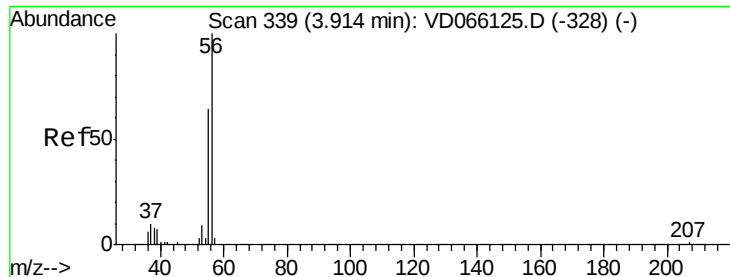


#12

1,1-Dichloroethene
Concen: 19.440 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.4	121.6	182.4
98	65.8	52.0	78.0





#13

Acrolein

Concen: 96.836 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 24927

Ion Ratio Lower Upper

56 100

55 71.4

56.7

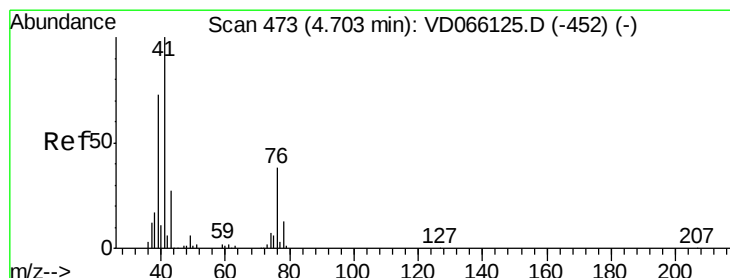
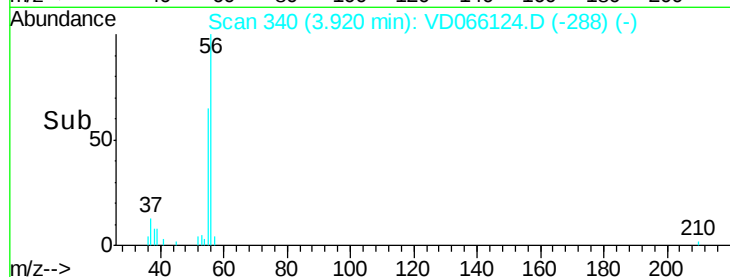
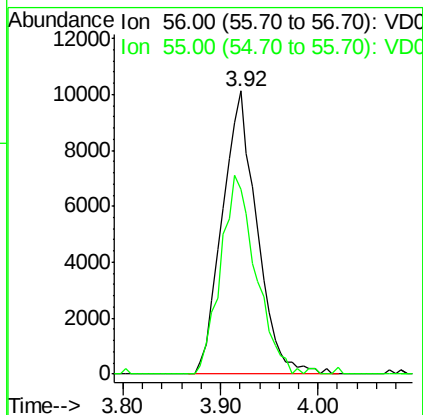
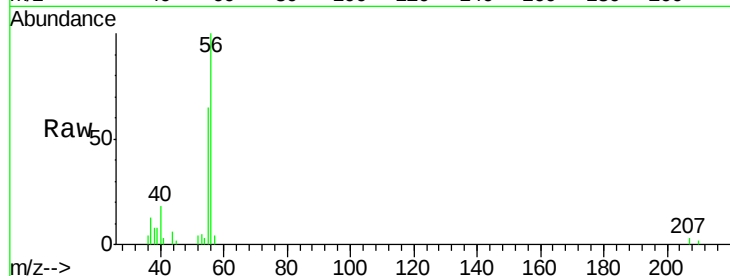
85.1

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#14

Allyl chloride

Concen: 19.459 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tgt Ion: 41 Resp: 94158

Ion Ratio Lower Upper

41 100

39 71.2

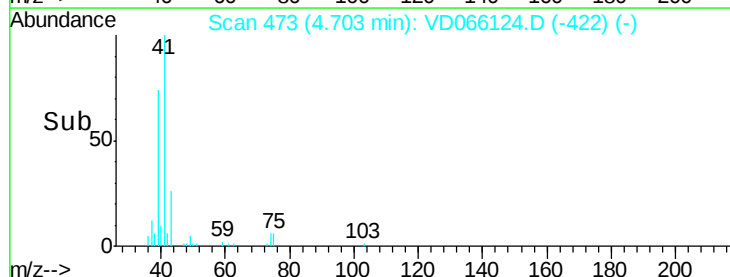
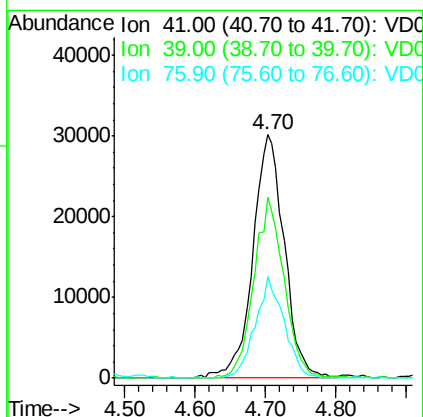
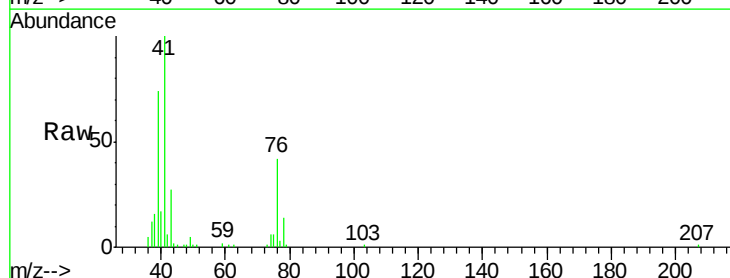
57.4

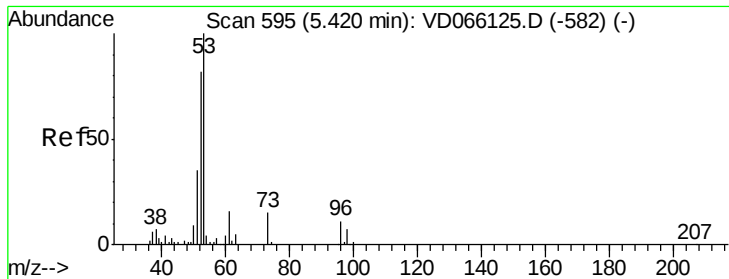
86.0

76 37.9

30.1

45.1





#15

Acrylonitrile

Concen: 96.970 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

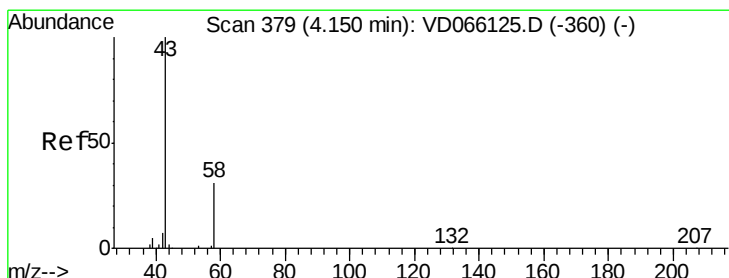
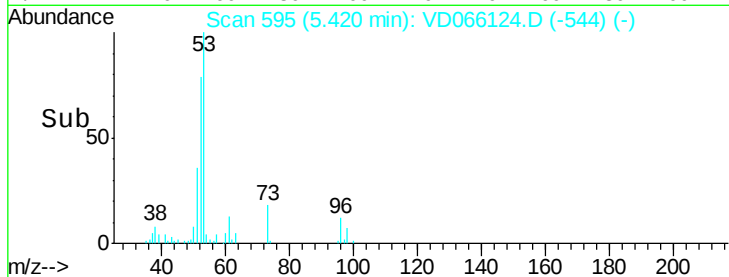
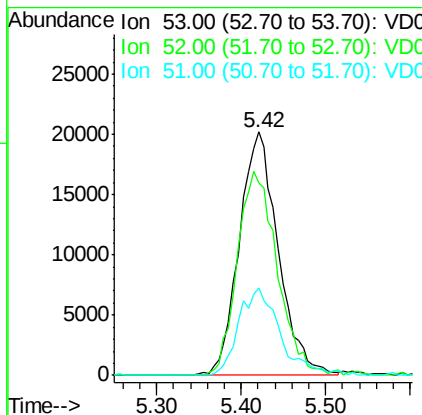
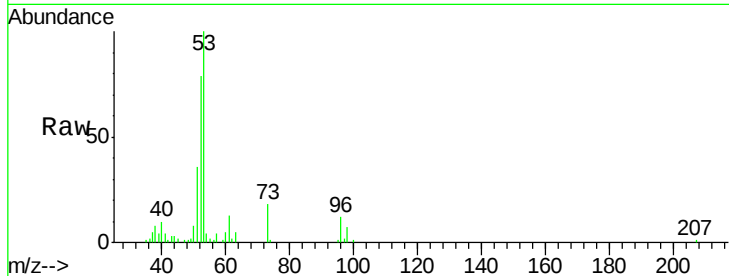
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	64635
Ion	Ratio	Lower	Upper
53	100		
52	86.0	66.1	99.1
51	37.8	30.8	46.2

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#16

Acetone

Concen: 87.090 ug/l

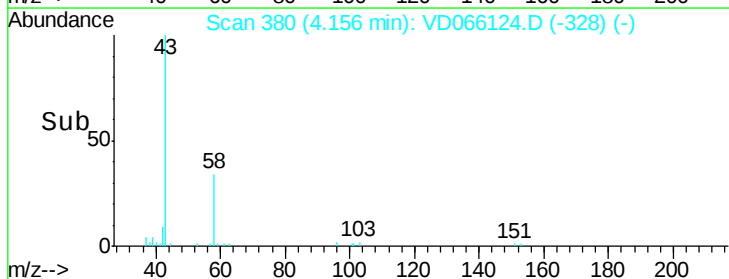
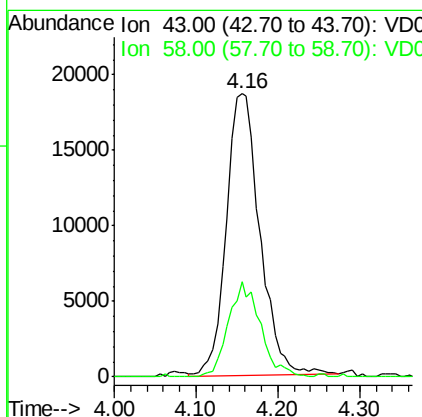
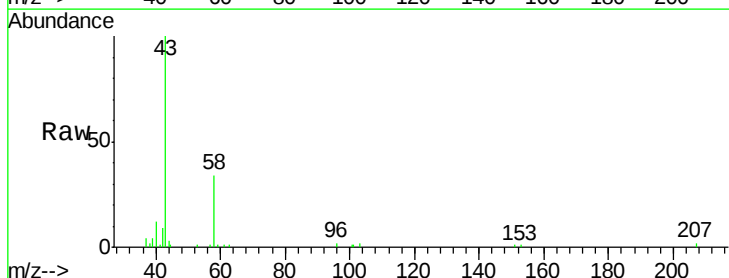
RT: 4.16 min Scan# 380

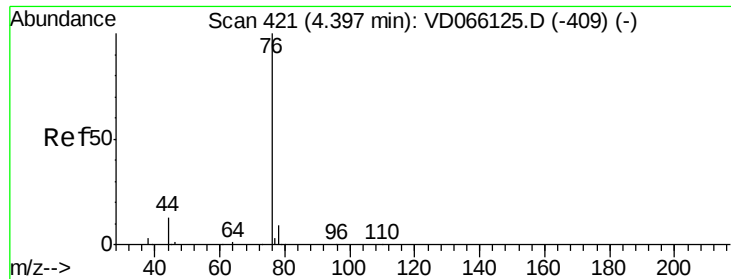
Delta R.T. 0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tgt Ion:	43	Resp:	53333
Ion	Ratio	Lower	Upper
43	100		
58	34.1	24.7	37.1





#17

Carbon Disulfide

Concen: 19.540 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 200552

Ion Ratio Lower Upper

76 100

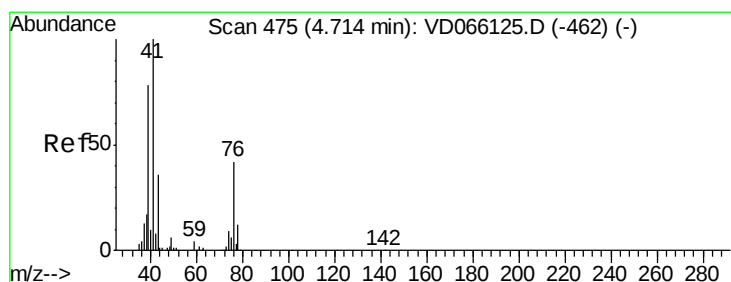
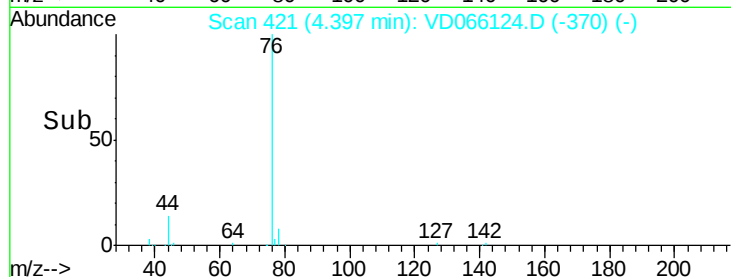
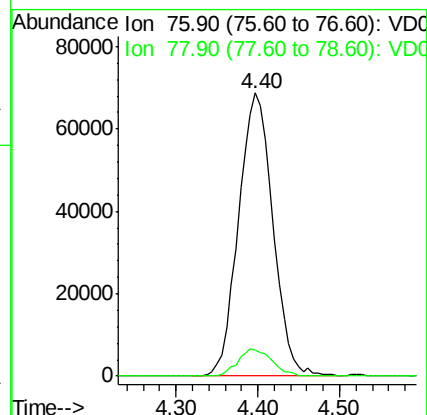
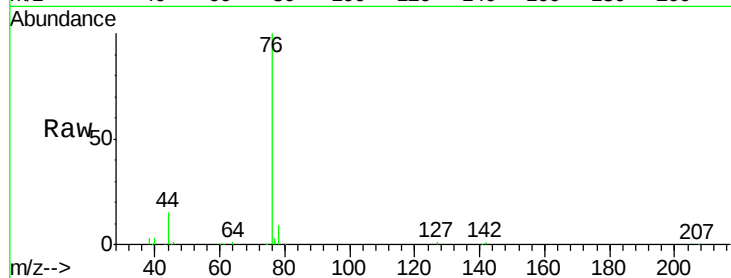
78 9.2 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 18.322 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066124.D

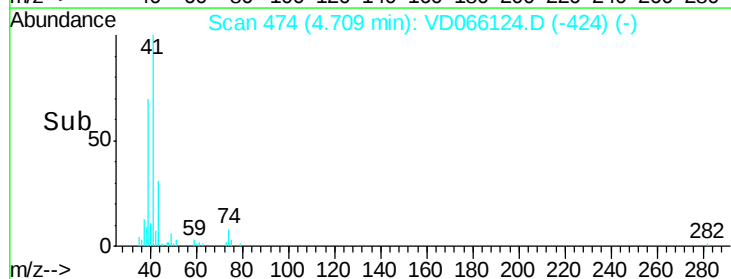
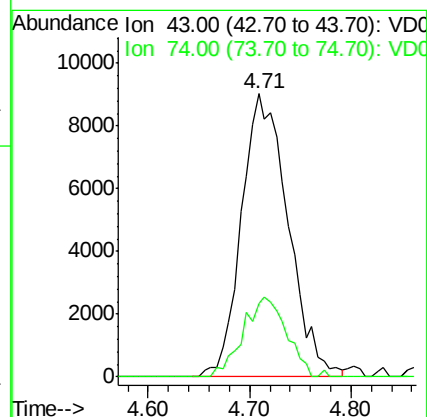
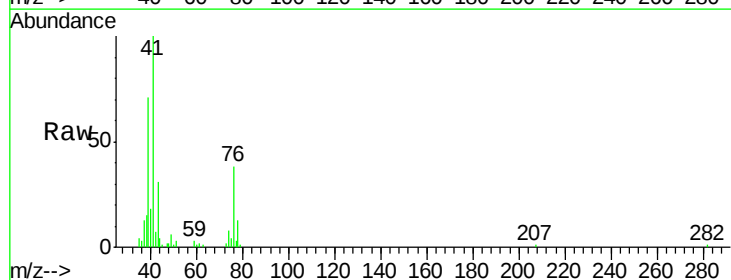
Acq: 05 Aug 2020 11:30

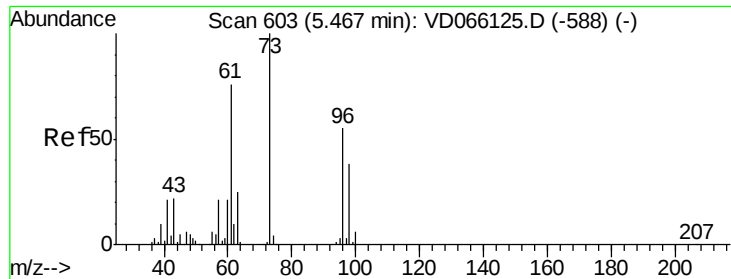
Tgt Ion: 43 Resp: 28777

Ion Ratio Lower Upper

43 100

74 26.2 21.2 31.8





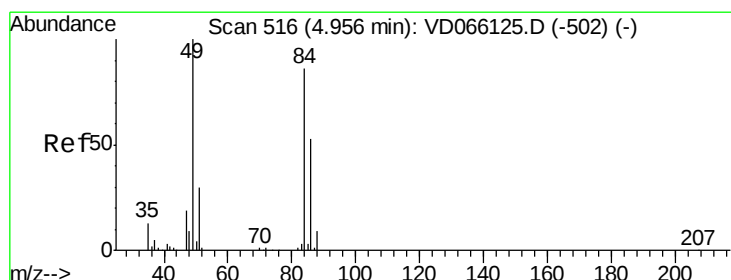
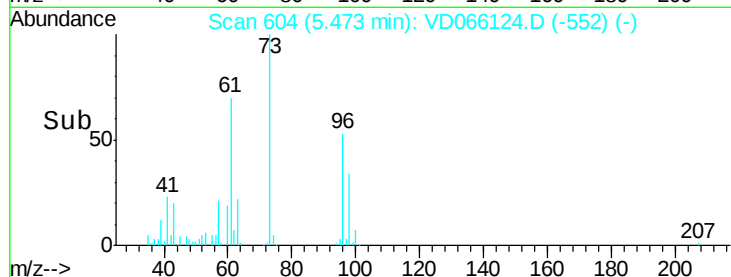
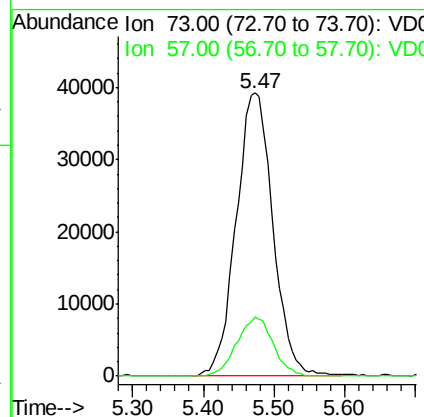
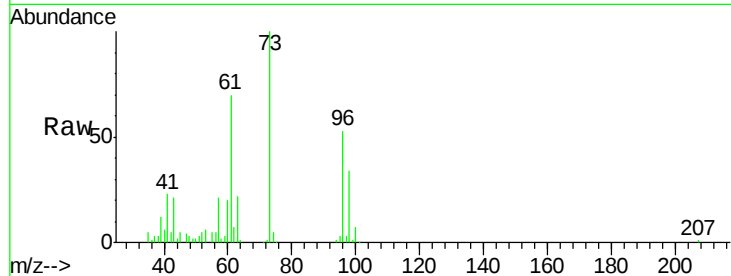
#19
Methyl tert-butyl Ether
Concen: 19.670 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 142069
Ion Ratio Lower Upper
73 100
57 20.8 17.1 25.7

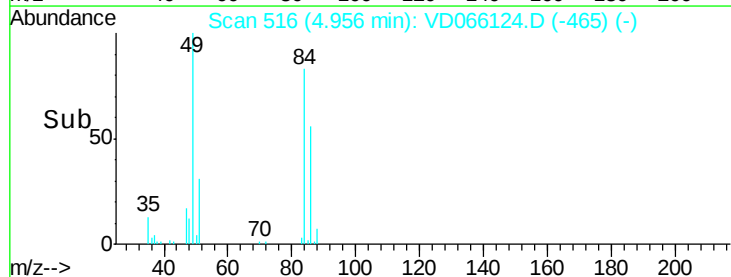
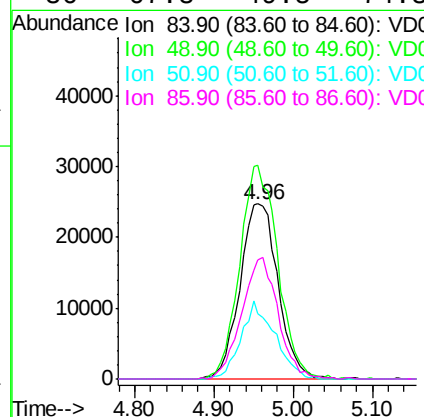
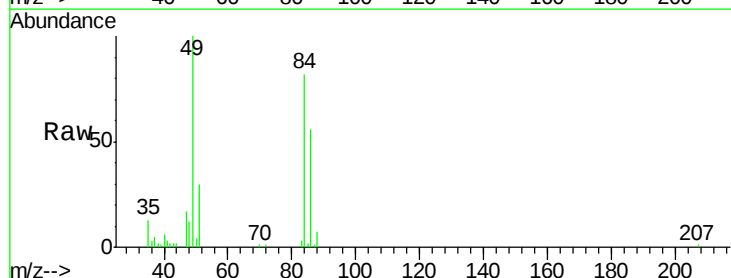
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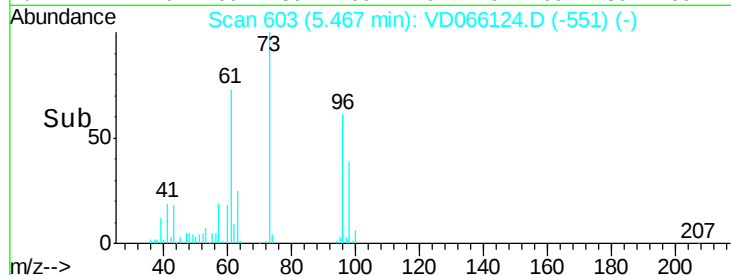
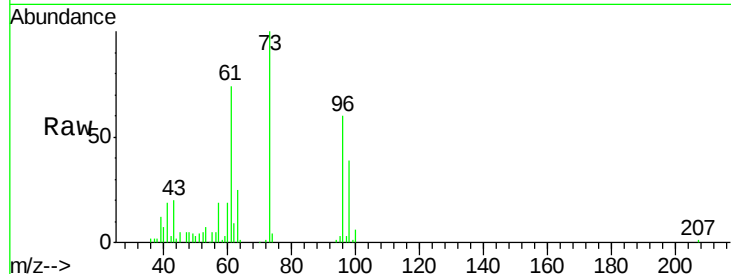
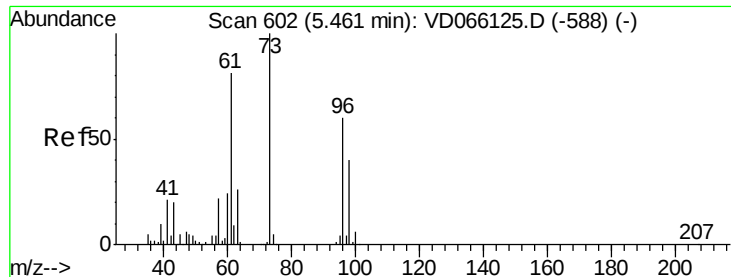
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#20
Methylene Chloride
Concen: 18.311 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion: 84 Resp: 82707
Ion Ratio Lower Upper
84 100
49 122.0 93.5 140.3
51 37.1 28.2 42.4
86 67.8 49.5 74.3





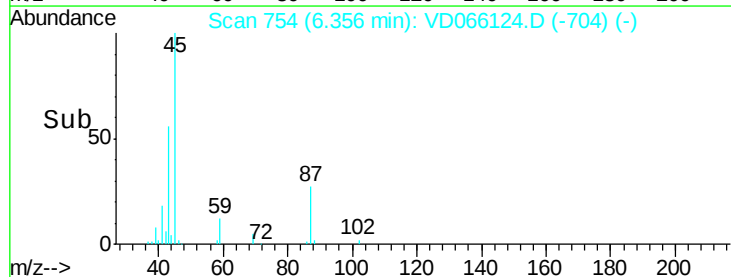
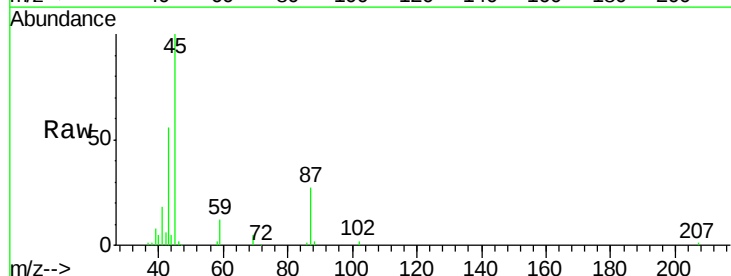
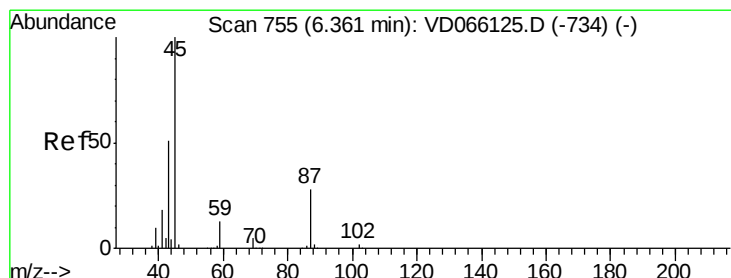
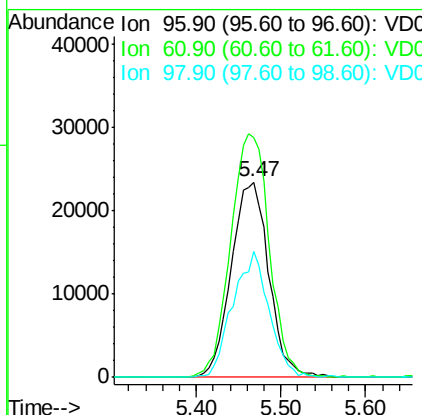
#21
trans-1,2-Dichloroethene
Concen: 19.407 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.5	106.9	160.3
98	64.1	53.4	80.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

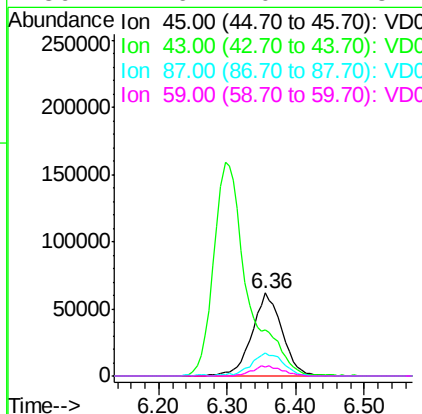
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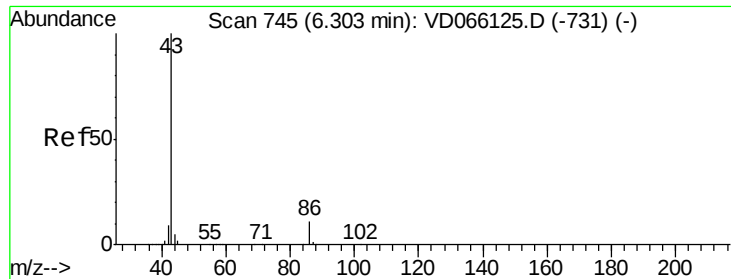
MMDadoda
8/6/2020 1:54:18 PM



#22
Diisopropyl ether
Concen: 19.718 ug/l
RT: 6.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	41.2	61.8
87	27.4	22.8	34.2
59	11.6	10.2	15.2





#23

Vinyl Acetate

Concen: 98.141 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 543131

Ion Ratio Lower Upper

43 100

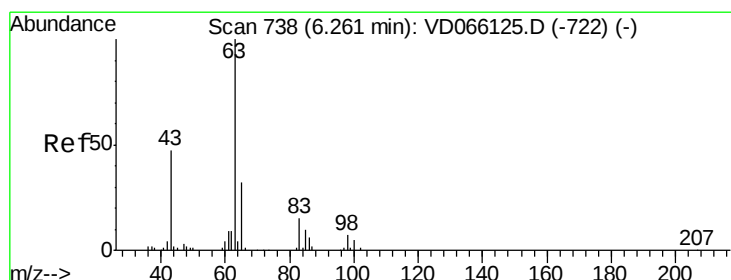
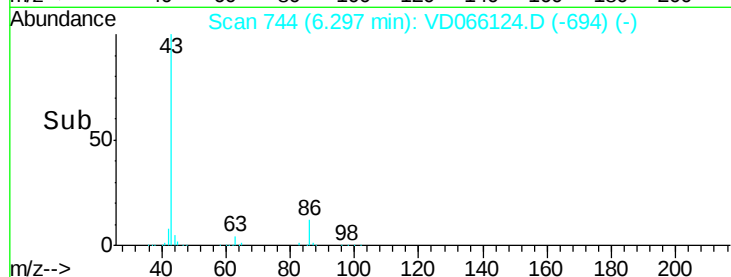
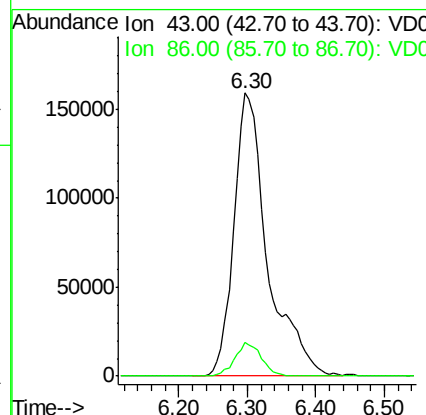
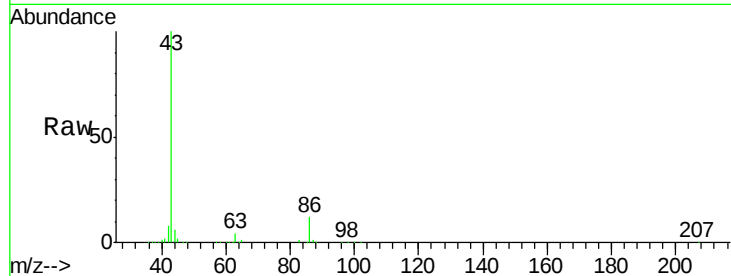
86 11.9 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 19.338 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

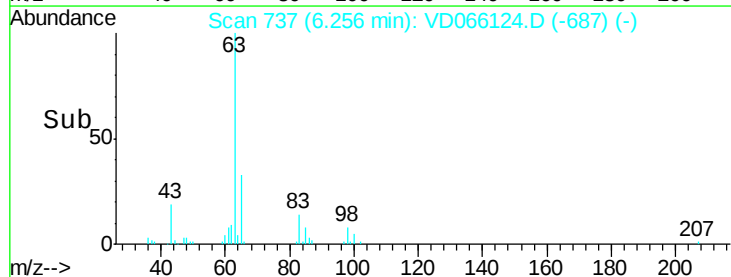
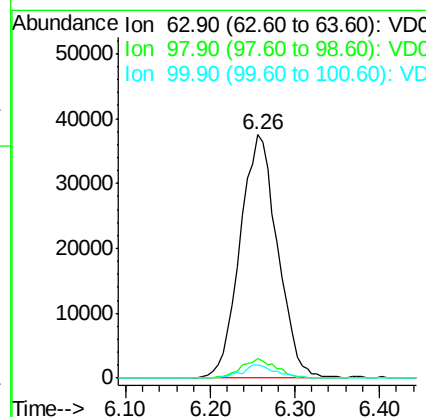
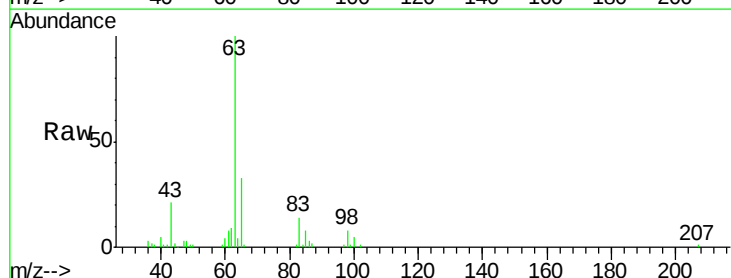
Tgt Ion: 63 Resp: 115369

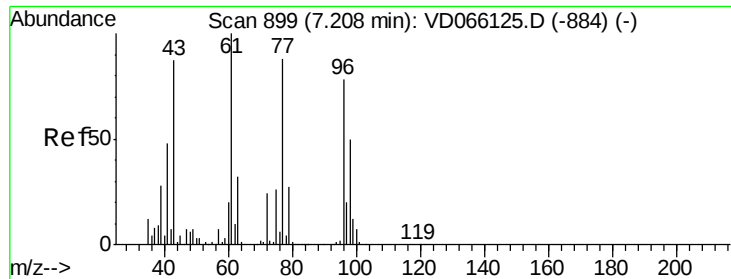
Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.5

100 5.2 2.4 7.2





#25

2-Butanone

Concen: 94.622 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 85727

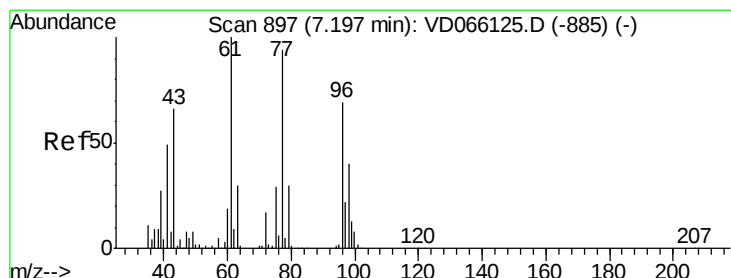
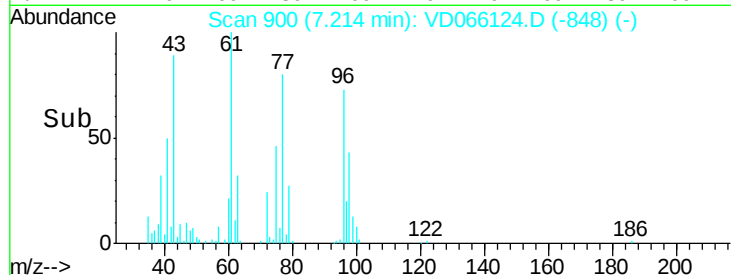
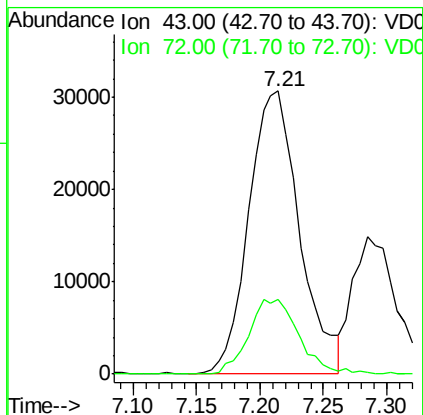
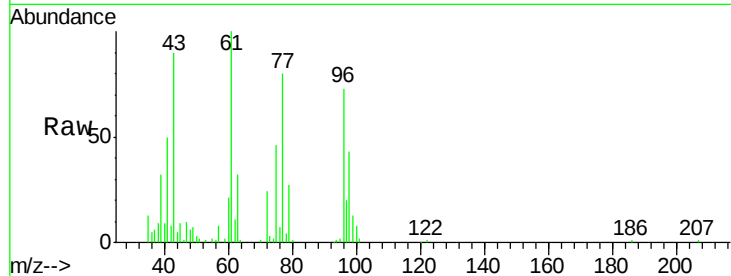
Ion Ratio Lower Upper

43 100

72 26.3 22.2 33.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.817 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066124.D

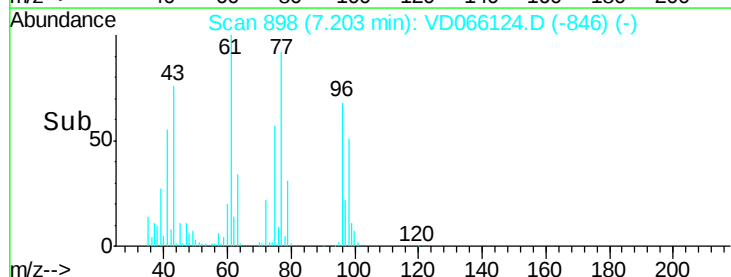
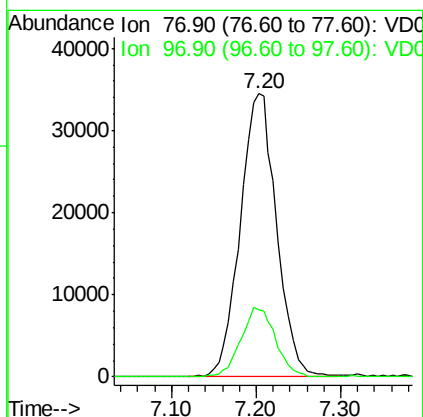
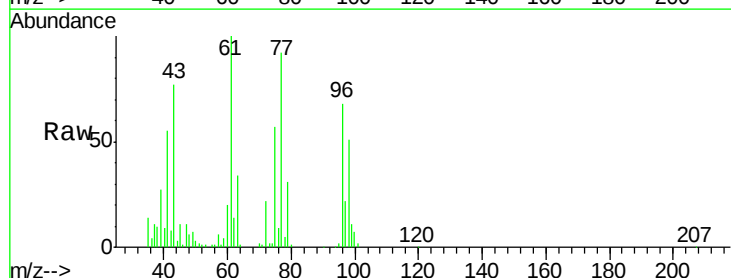
Acq: 05 Aug 2020 11:30

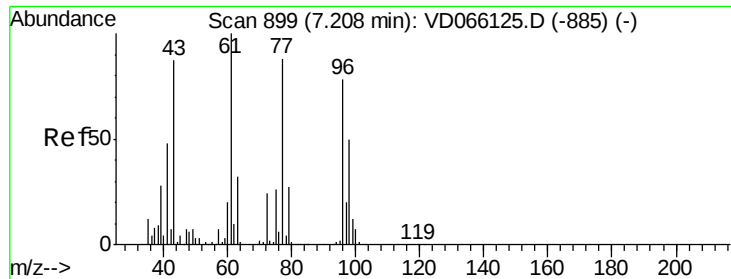
Tgt Ion: 77 Resp: 102767

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3





#27

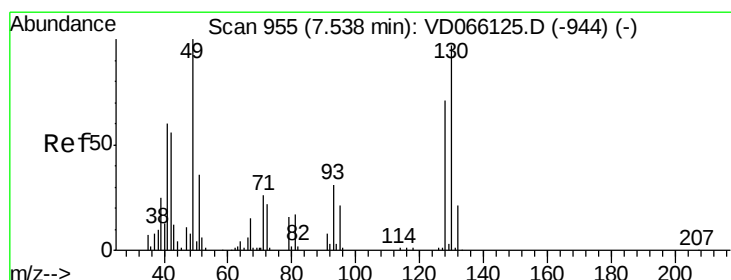
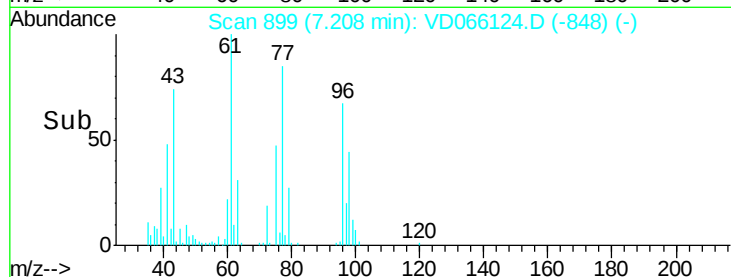
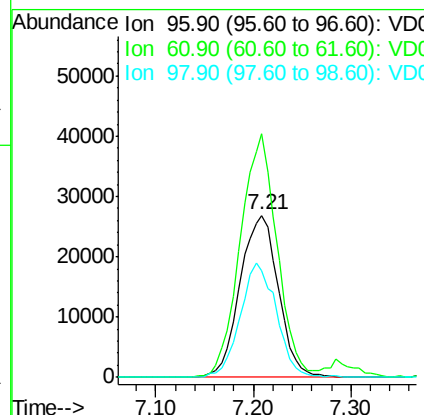
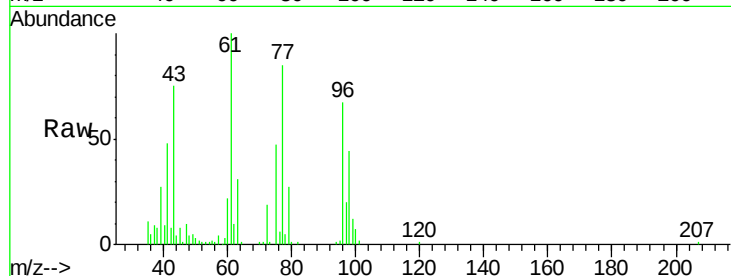
cis-1,2-Dichloroethene
Concen: 19.157 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	281.6
98	66.2	0.0	130.8

Manual Integrations
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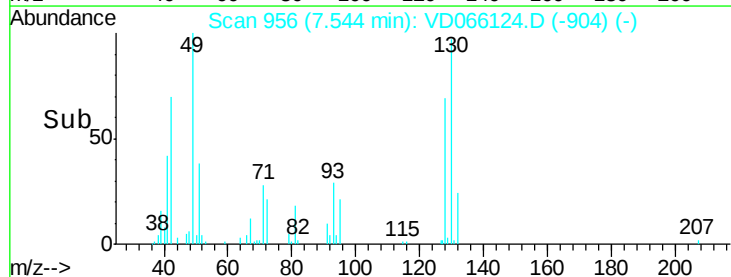
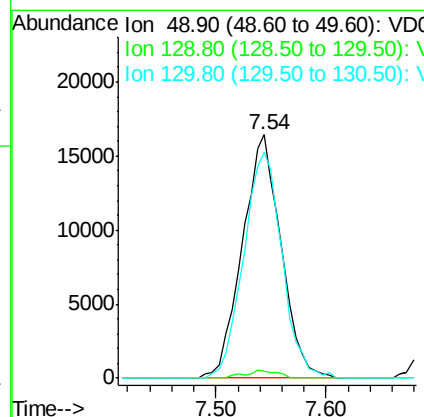
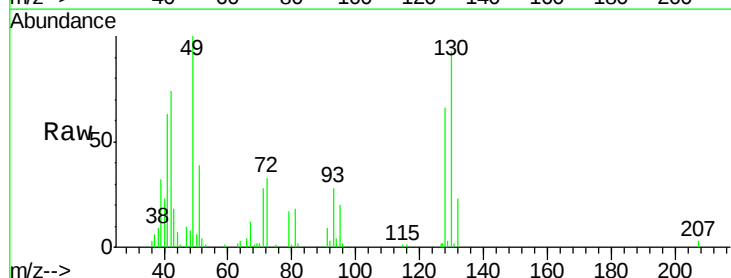
MMDadoda
8/6/2020 1:54:18 PM

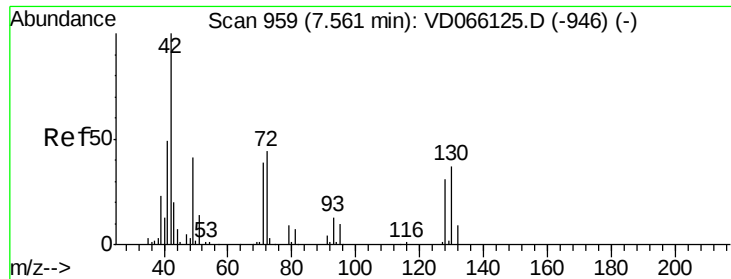


#28

Bromochloromethane
Concen: 19.410 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.0
130	92.1	73.8	110.6





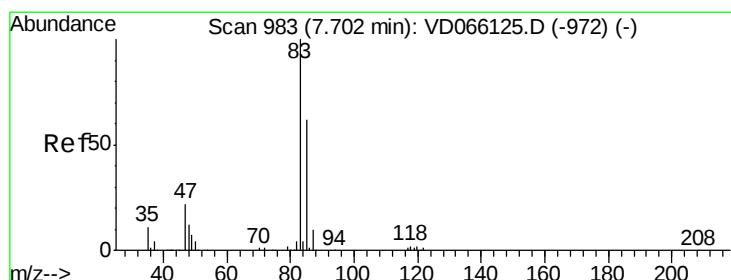
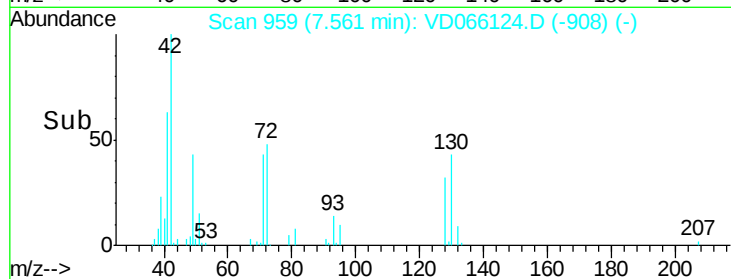
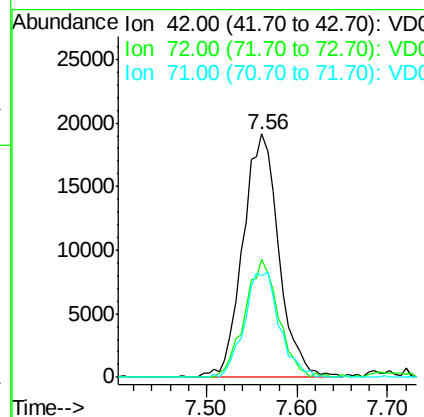
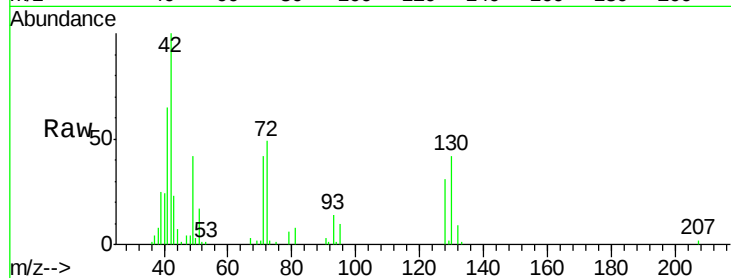
#29
Tetrahydrofuran
Concen: 95.749 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	34.8	52.2
71	42.0	33.5	50.3

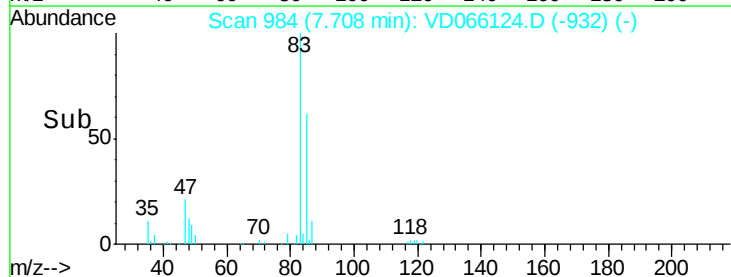
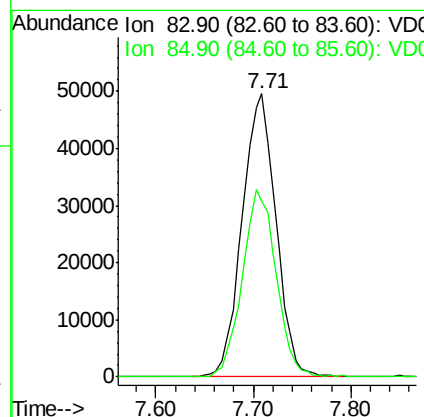
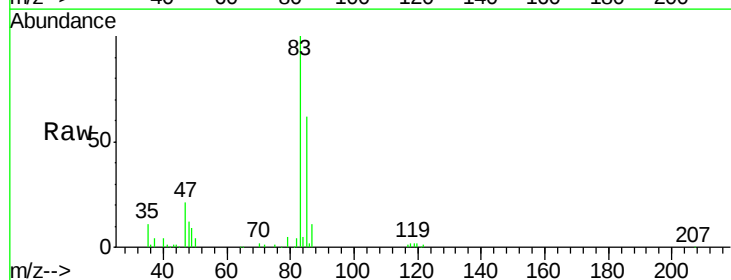
Manual Integrations
APPROVED

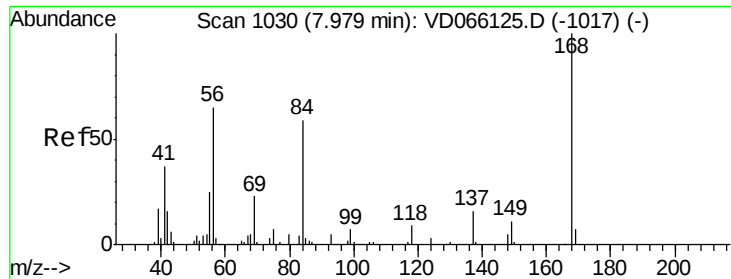
MMDadoda
8/6/2020 1:54:18 PM



#30
Chloroform
Concen: 18.977 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.5	74.3





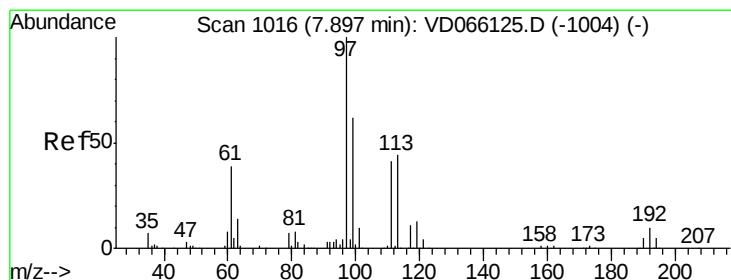
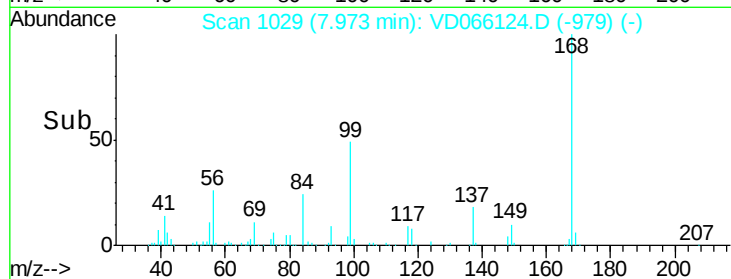
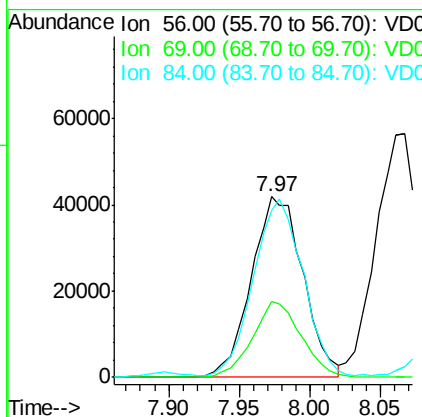
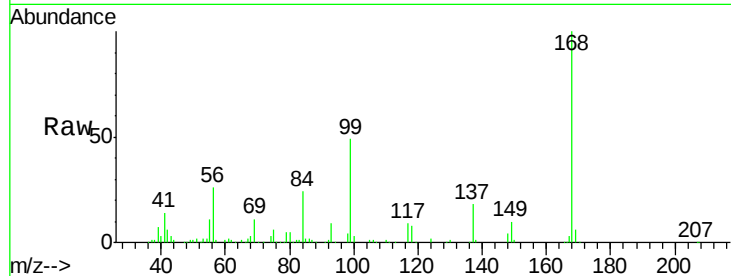
#31
Cyclohexane
Concen: 18.405 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.1	28.8	43.2
84	90.5	73.0	109.6

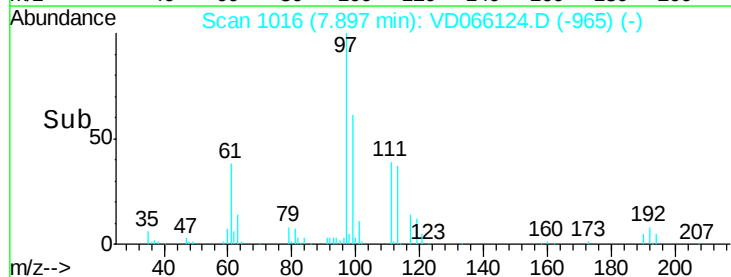
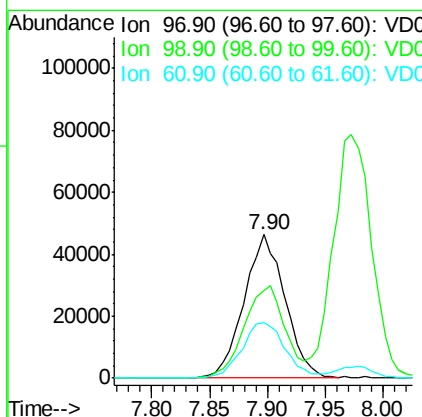
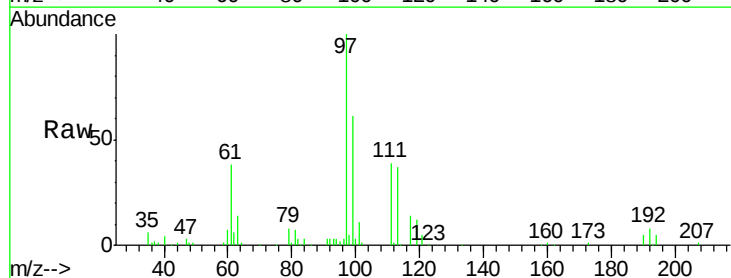
Manual Integrations
APPROVED

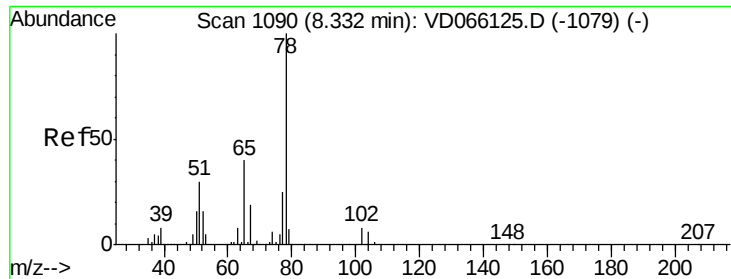
MMDadoda
8/6/2020 1:54:18 PM



#32
1,1,1-Trichloroethane
Concen: 19.466 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	40.9	32.7	49.1





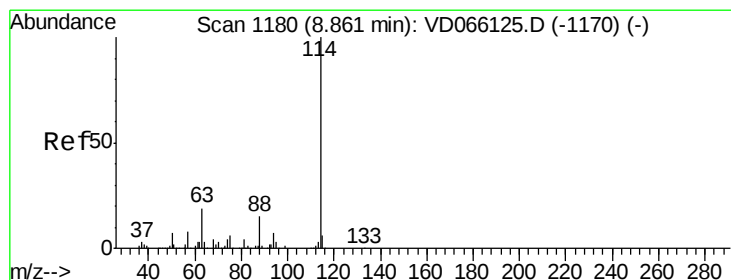
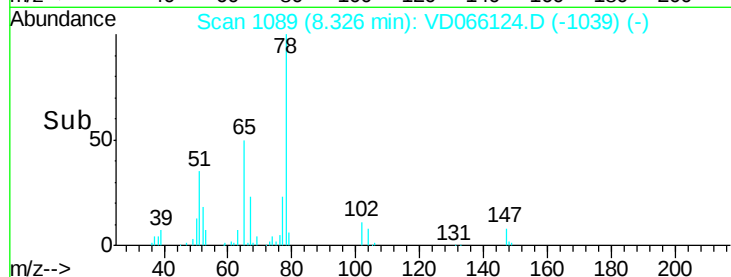
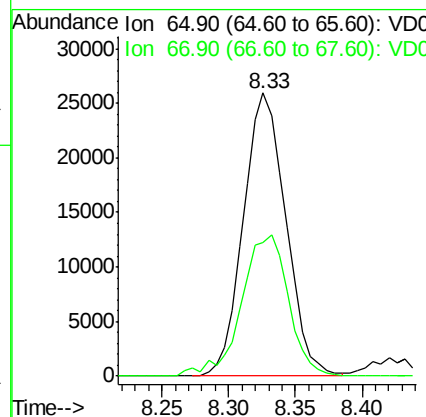
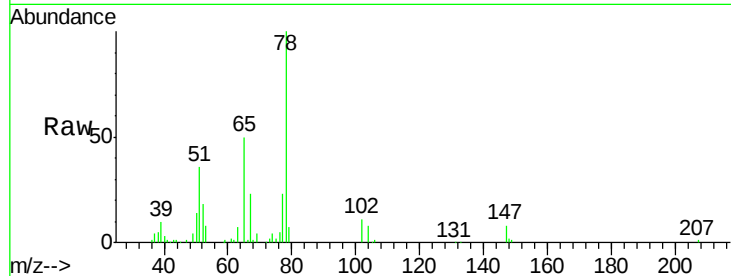
#33
 1,2-Dichloroethane-d4
 Concen: 17.945 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	57152		
67	55.1	0.0	104.6	

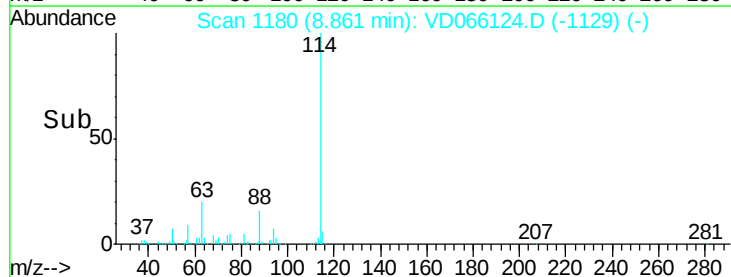
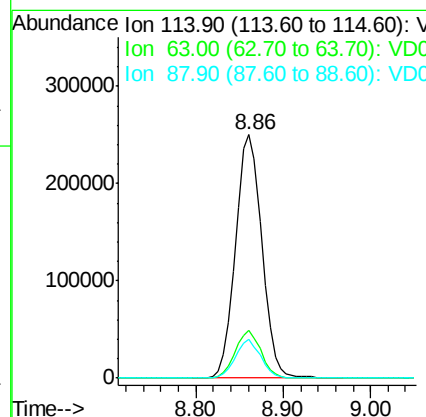
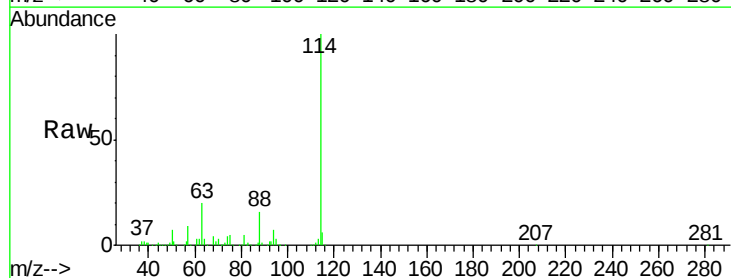
Manual Integrations
 APPROVED

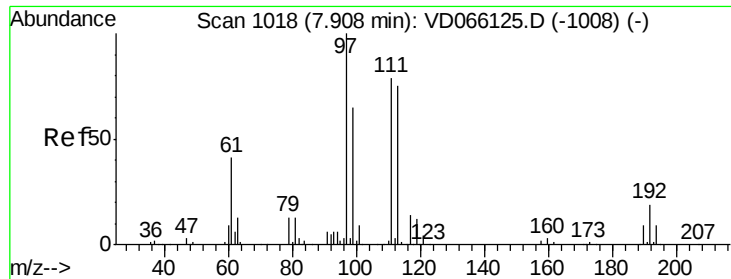
MMDadoda
 8/6/2020 1:54:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	508855		
63	19.6	0.0	38.6	
88	16.1	0.0	30.0	





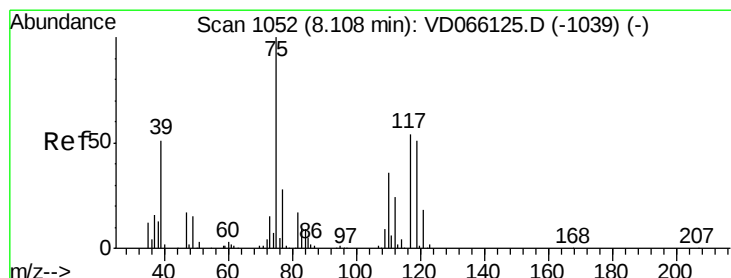
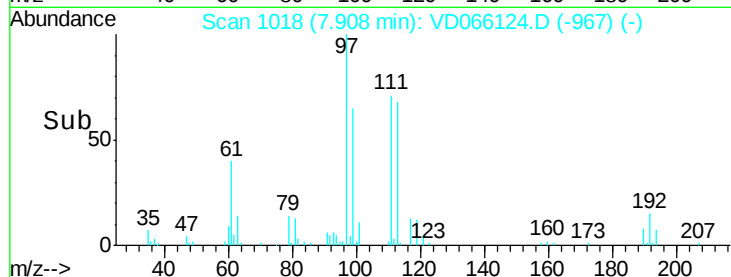
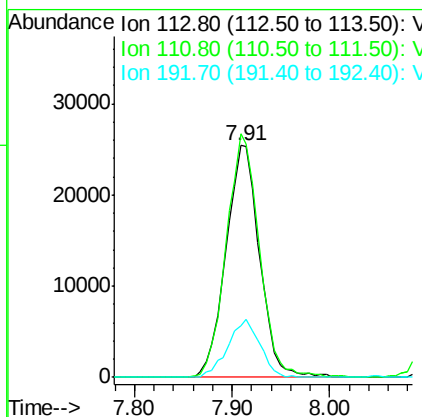
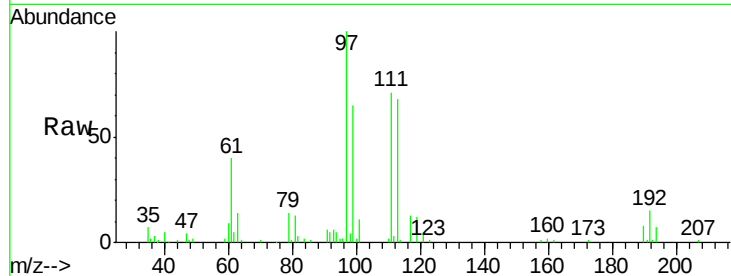
#35
Dibromofluoromethane
Concen: 18.687 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	60791		
111	103.3	80.7	121.1	
192	23.9	18.4	27.6	

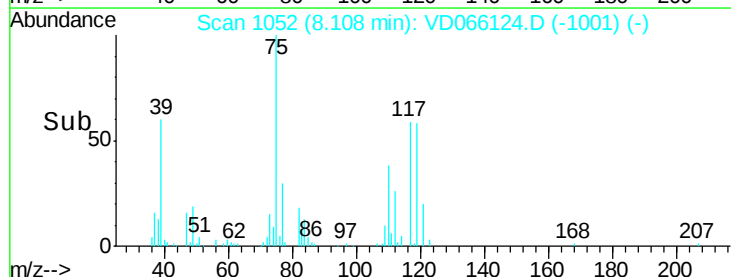
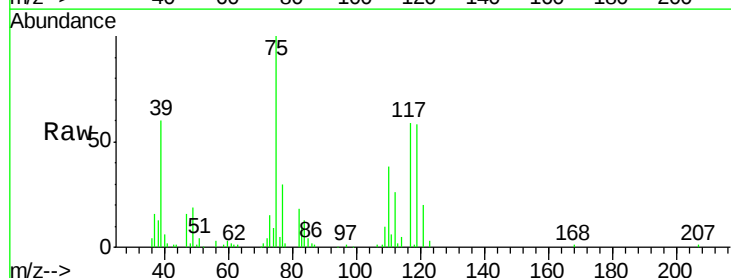
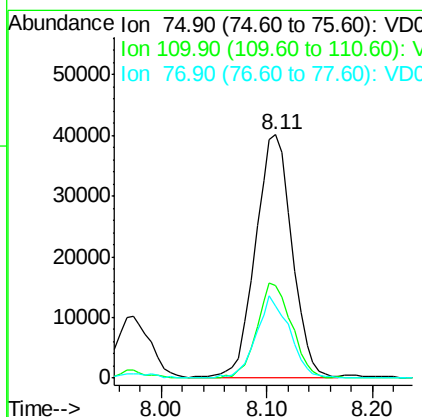
Manual Integrations
APPROVED

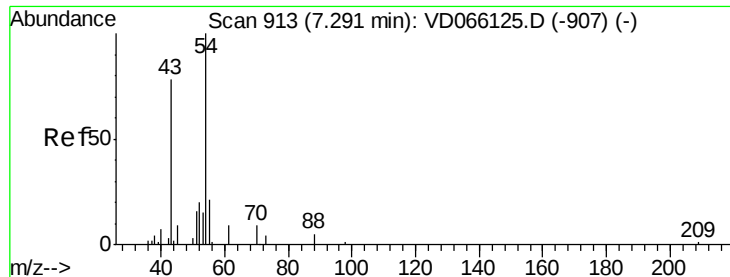
MMDadoda
8/6/2020 1:54:18 PM



#36
1,1-Dichloropropene
Concen: 19.676 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96641		
110	36.7	18.8	56.3	
77	31.0	24.2	36.2	





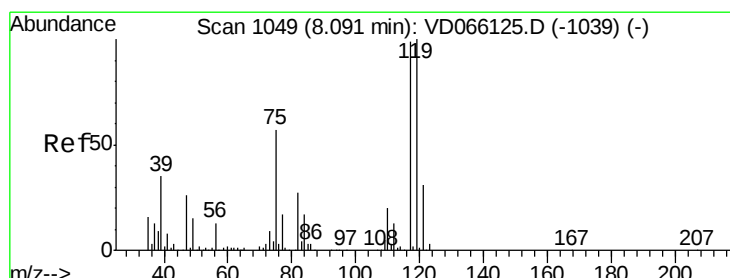
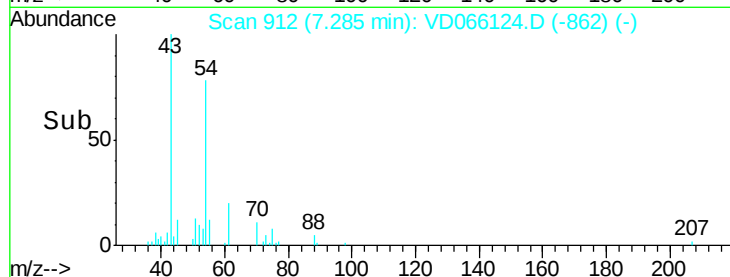
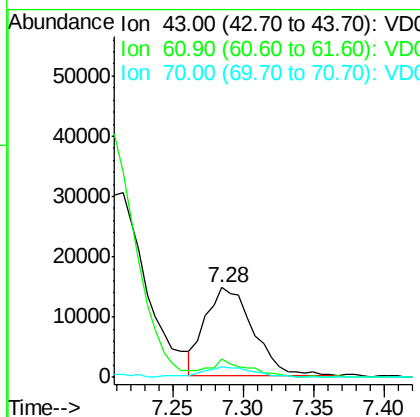
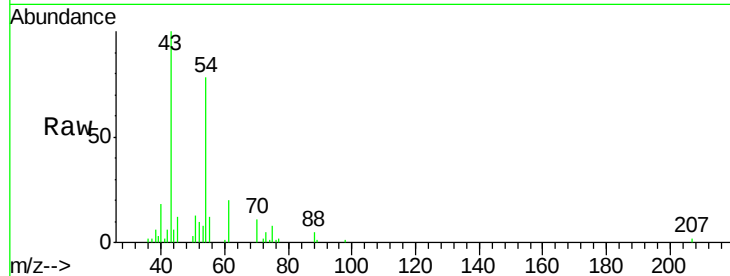
#37
Ethyl Acetate
Concen: 18.124 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.0	18.0
70	12.8	9.7	14.5

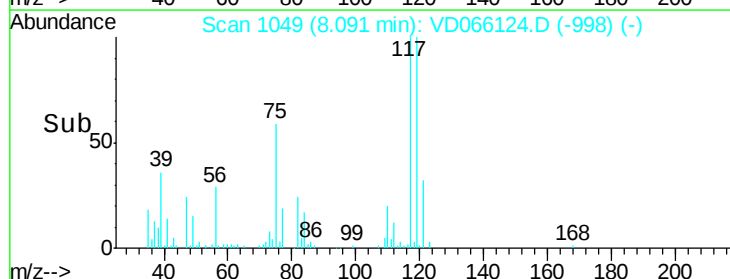
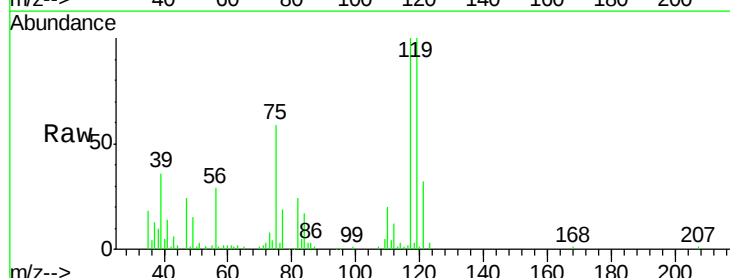
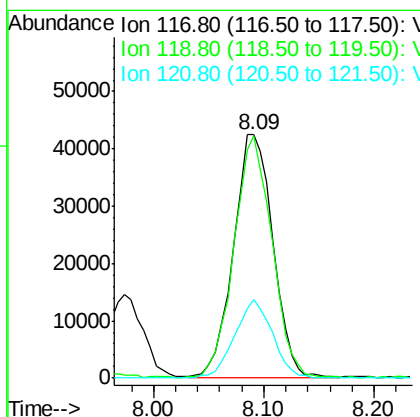
Manual Integrations
APPROVED

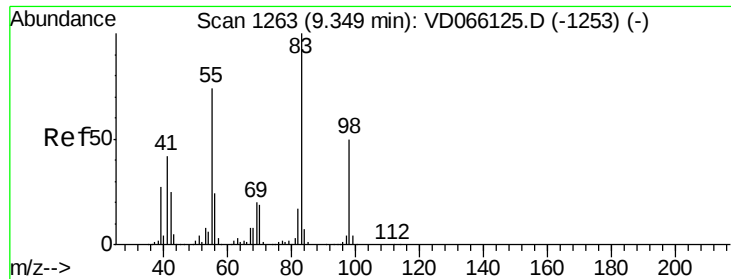
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.622 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	81.0	121.4
121	32.2	24.8	37.2





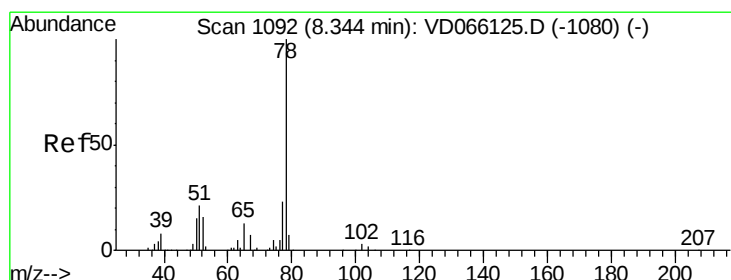
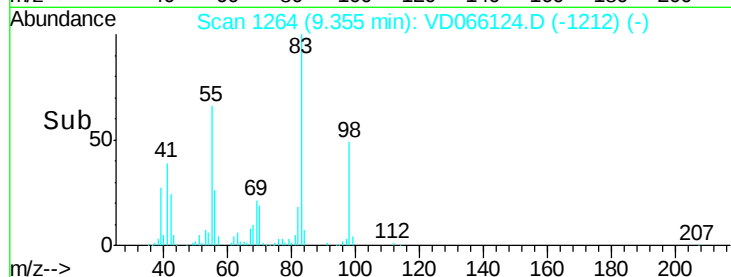
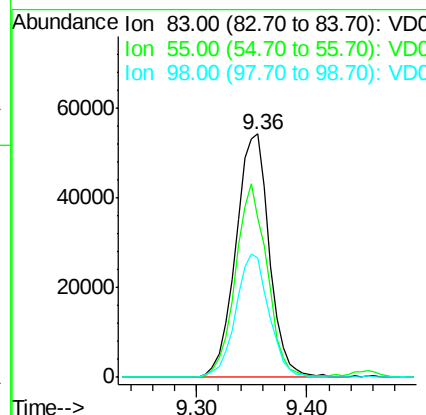
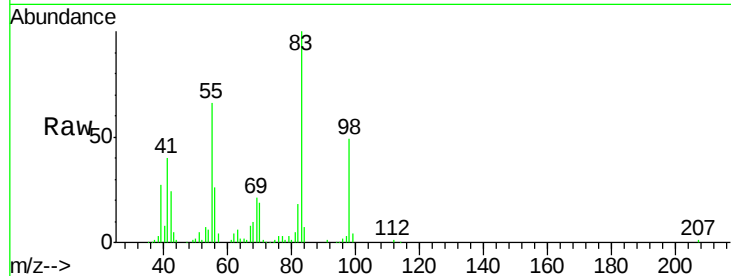
#39
Methvlcvclohexane
Concen: 19.843 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	115650
Ion Ratio	Lower	Upper	
83	100		
55	65.6	59.2	88.8
98	48.8	39.8	59.6

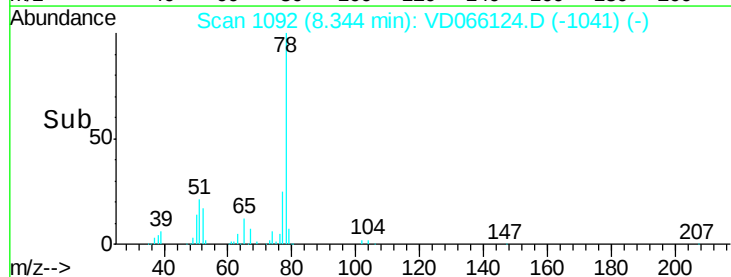
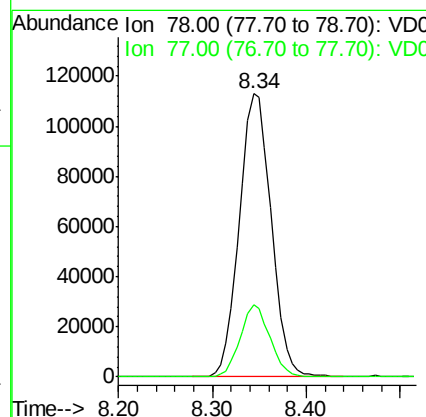
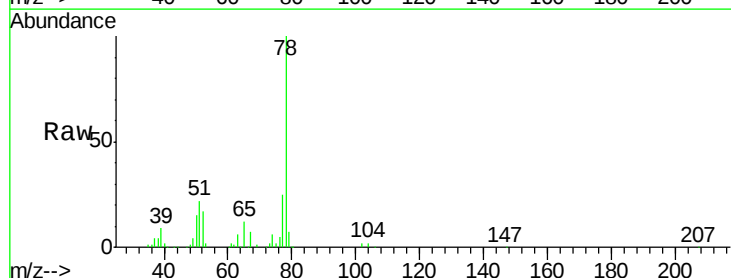
Manual Integrations
APPROVED

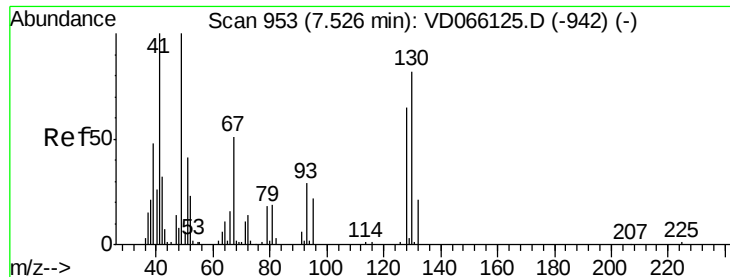
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#40
Benzene
Concen: 19.536 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	78	Resp	266270
Ion Ratio	Lower	Upper	
78	100		
77	25.4	18.6	27.8





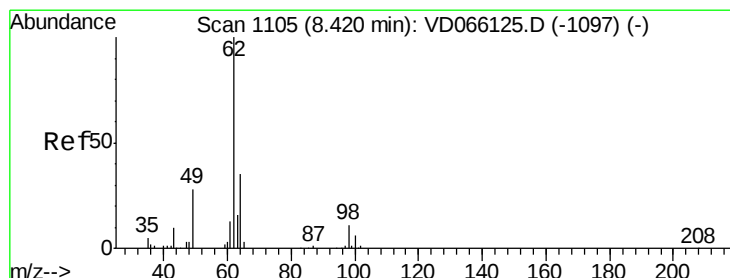
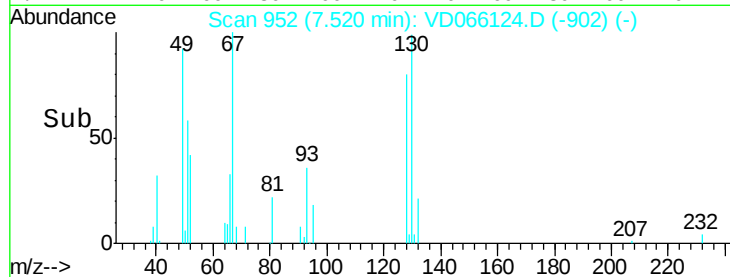
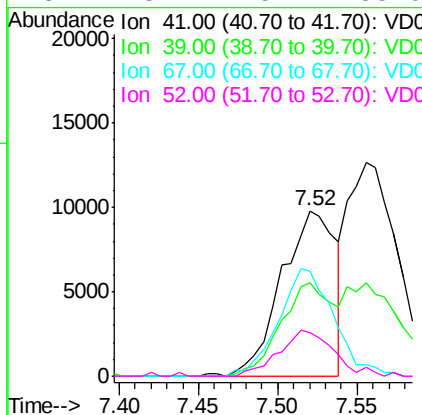
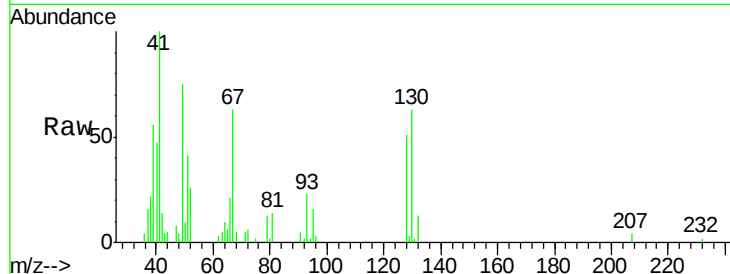
#41
Methacrylonitrile
Concen: 21.533 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	47.5	71.3
67	65.9	59.1	88.7
52	28.1	25.4	38.0

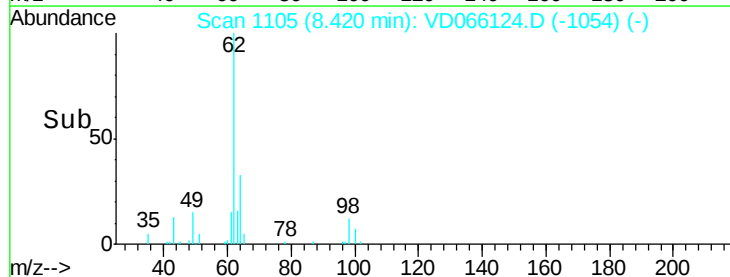
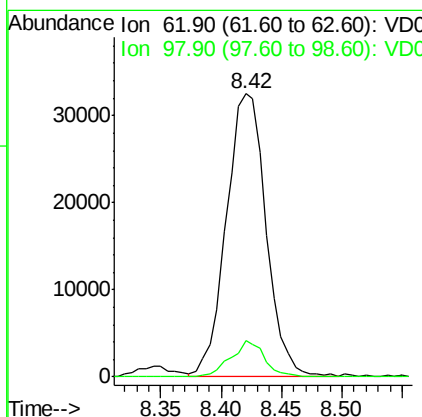
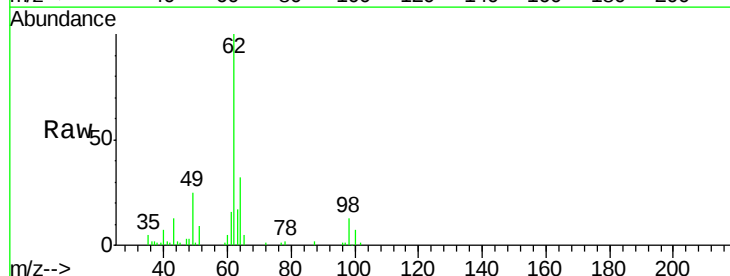
Manual Integrations
APPROVED

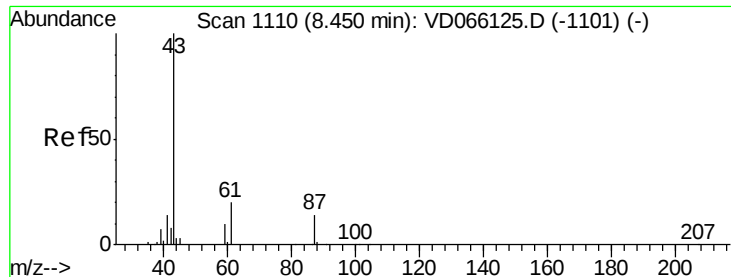
MMDadoda
8/6/2020 1:54:18 PM



#42
1,2-Dichloroethane
Concen: 18.741 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.4





#43

Isopropyl Acetate

Concen: 19.772 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

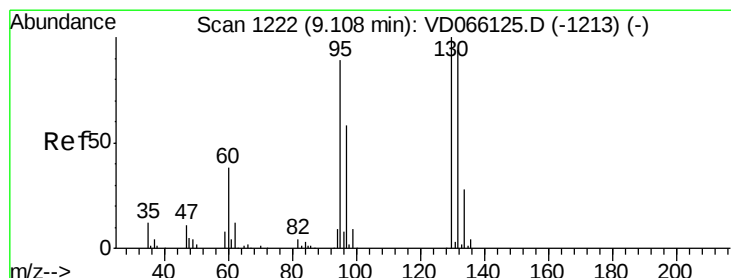
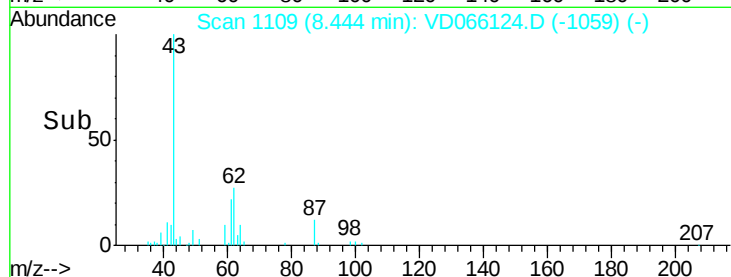
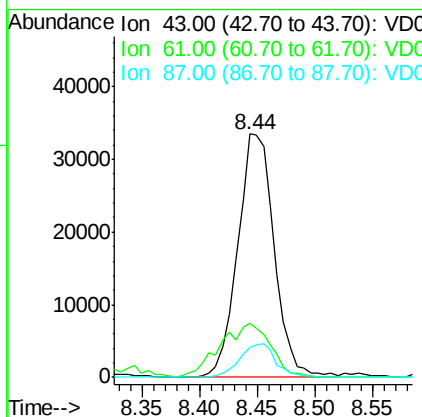
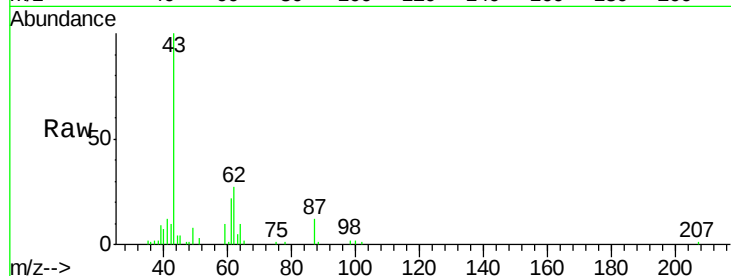
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	73642
Ion	Ratio	Lower	Upper
43	100		
61	30.9	25.5	38.3
87	13.5	11.2	16.8

Manual Integrations
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#44

Trichloroethene

Concen: 20.117 ug/l

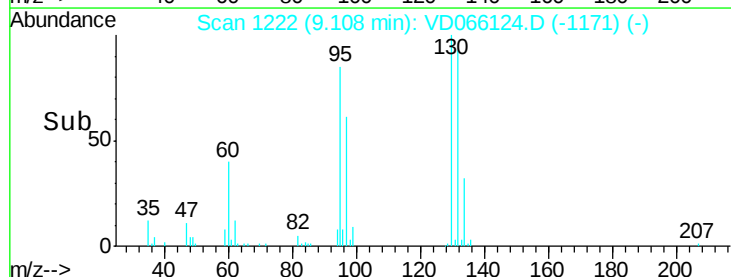
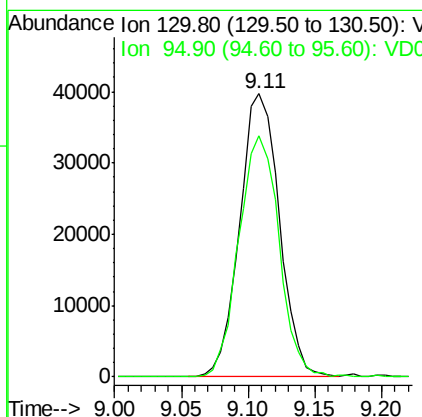
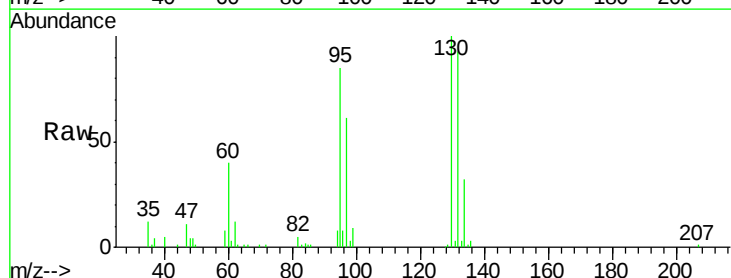
RT: 9.11 min Scan# 1222

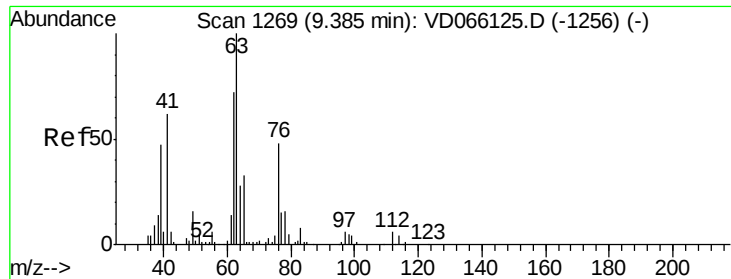
Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tgt Ion:	130	Resp:	81933
Ion	Ratio	Lower	Upper
130	100		
95	85.2	0.0	178.4





#45

1,2-Dichloropropane

Concen: 19.564 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 64551

Ion Ratio Lower Upper

63 100

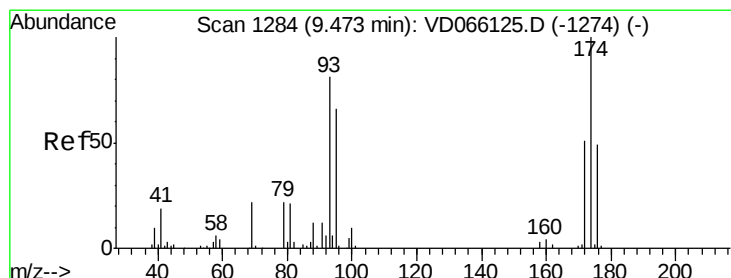
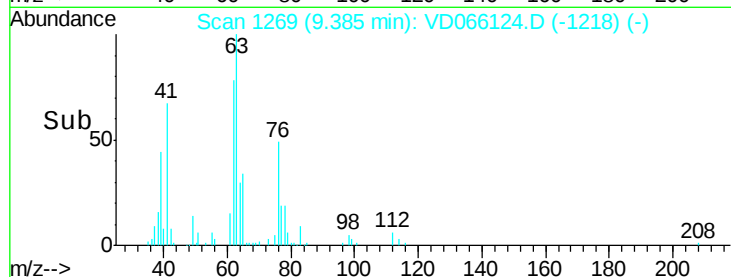
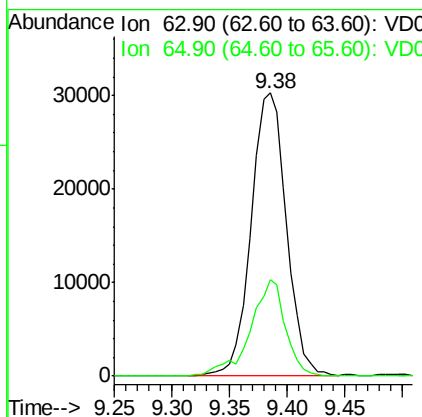
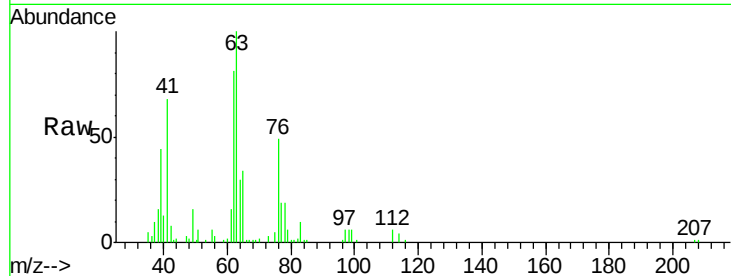
65 34.3 26.5 39.7

Manual Integrations

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8/6/2020 1:54:18 PM



#46

Dibromomethane

Concen: 19.210 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

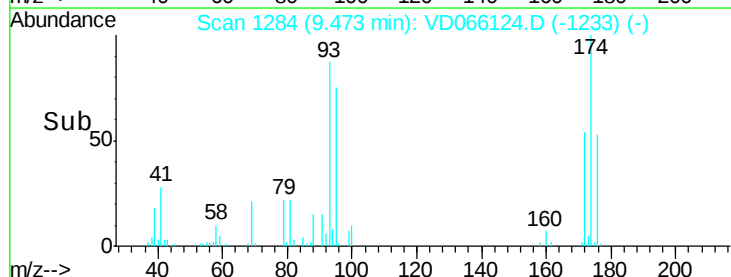
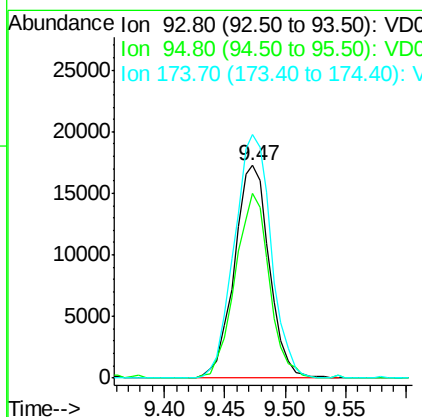
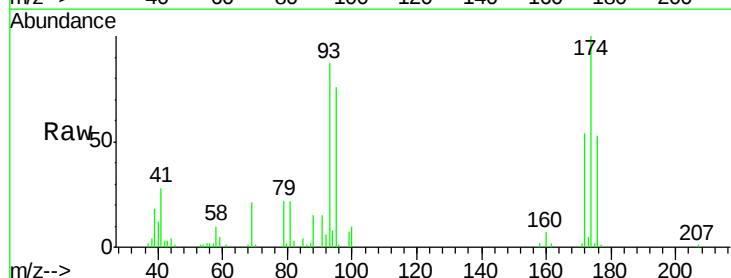
Tgt Ion: 93 Resp: 34850

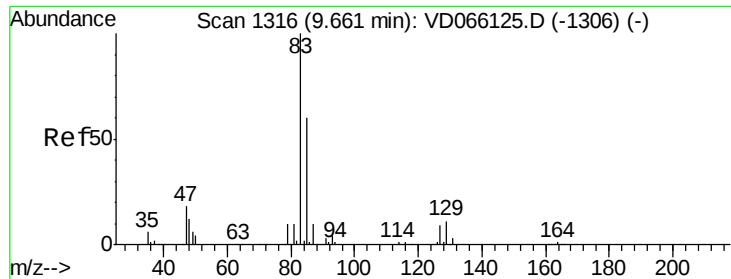
Ion Ratio Lower Upper

93 100

95 84.8 65.8 98.6

174 120.4 92.8 139.2





#47

Bromodichloromethane

Concen: 19.185 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

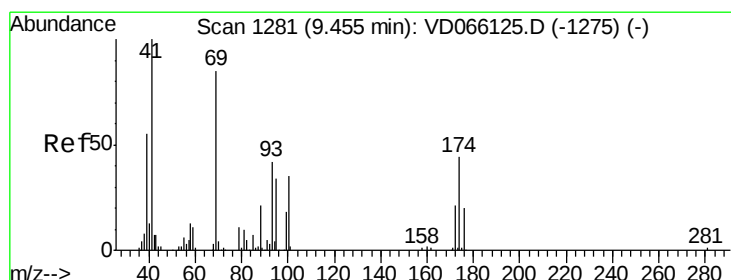
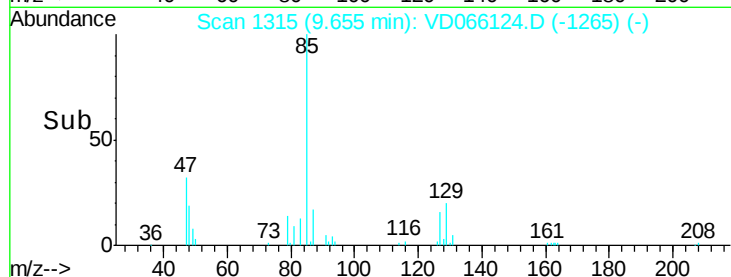
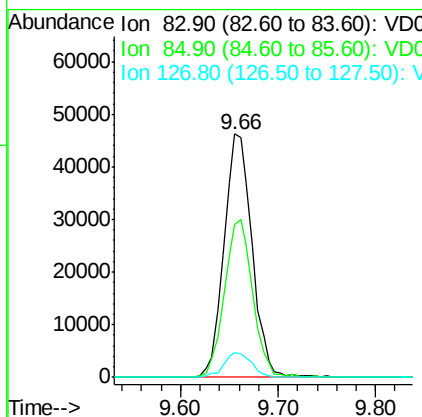
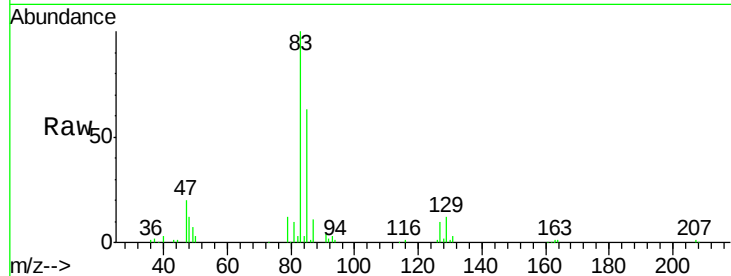
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	92036
Ion	Ratio	Lower	Upper
83	100		
85	62.9	48.2	72.4
127	10.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.213 ug/l

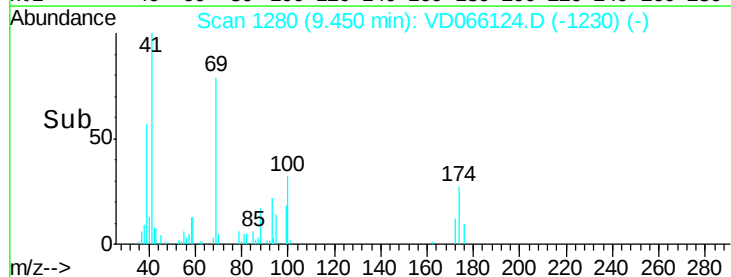
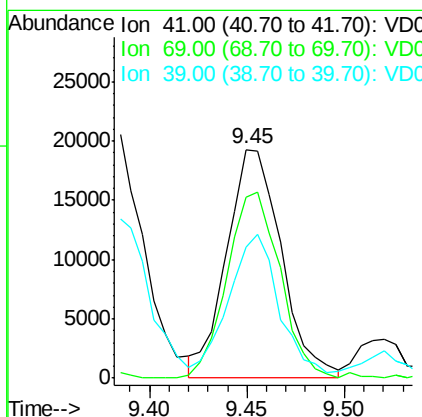
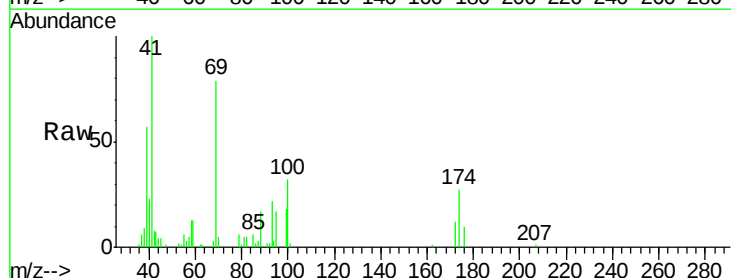
RT: 9.45 min Scan# 1280

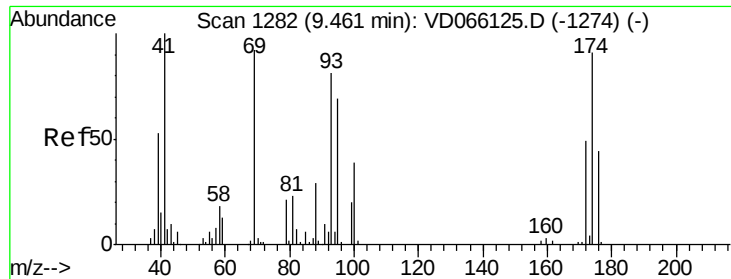
Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tgt Ion:	41	Resp:	37692
Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.9	95.9
39	53.2	42.6	64.0





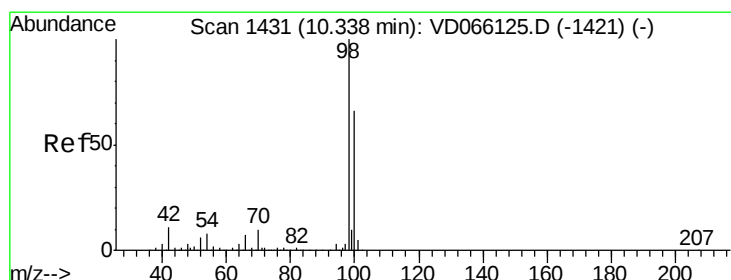
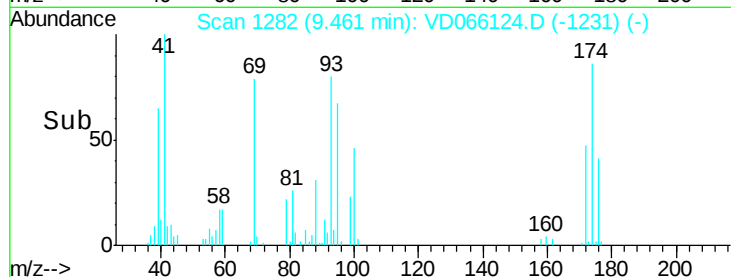
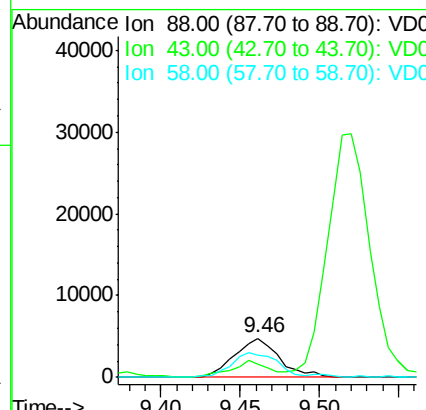
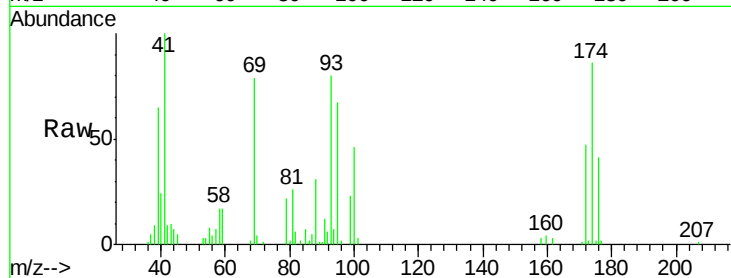
#49
1,4-Dioxane
Concen: 398.763 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.5	41.3
58	69.0	50.2	75.4

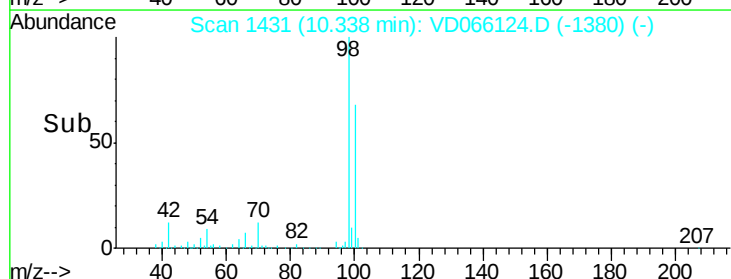
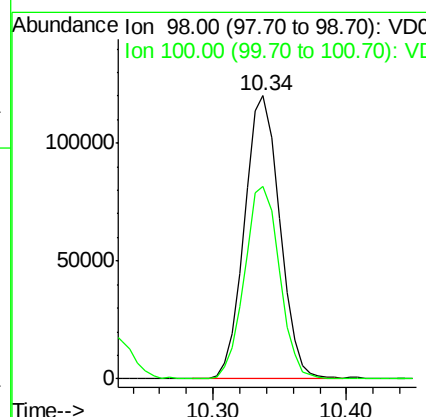
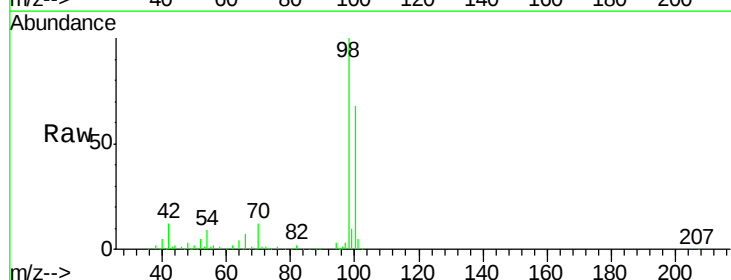
Manual Integrations
APPROVED

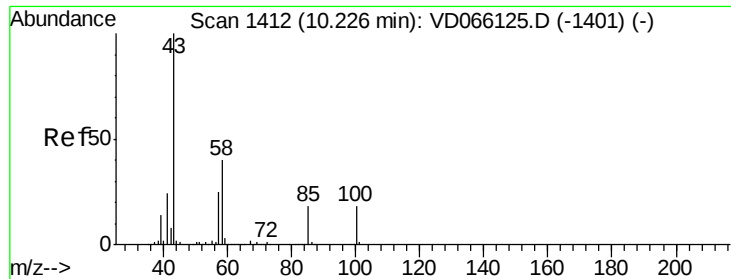
MMDadoda
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#50
Toluene-d8
Concen: 18.474 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 96.328 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 186961

Ion Ratio Lower Upper

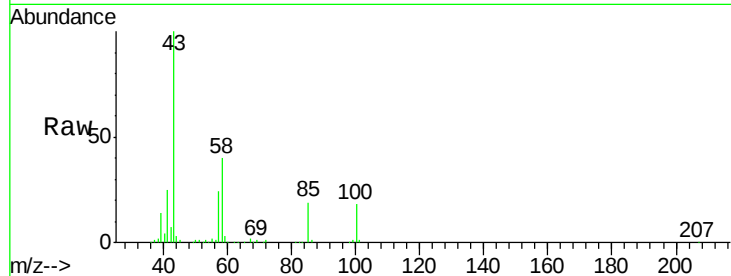
43 100

58 38.7 31.1 46.7

Manual Integrations
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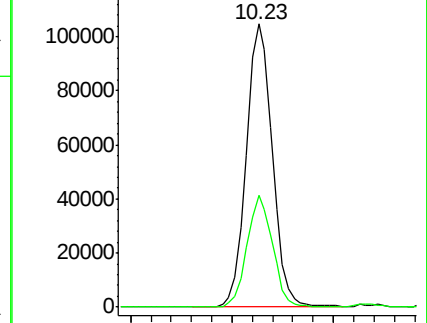
MMDadoda

8/6/2020 1:54:18 PM

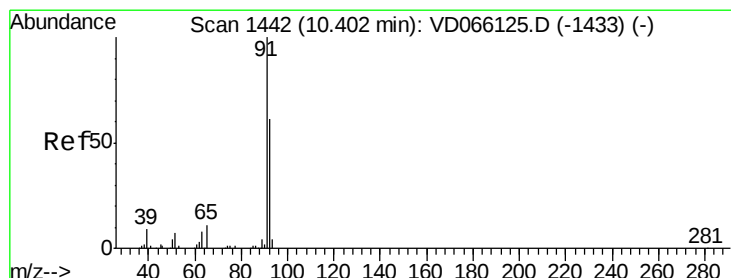
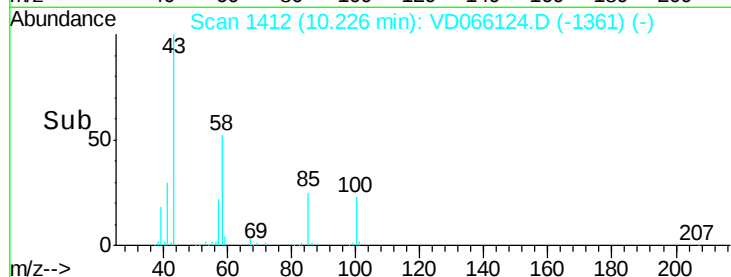


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#52

Toluene

Concen: 19.393 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066124.D

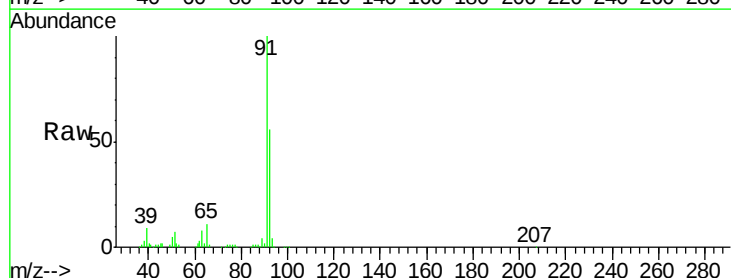
Acq: 05 Aug 2020 11:30

Tgt Ion: 92 Resp: 172997

Ion Ratio Lower Upper

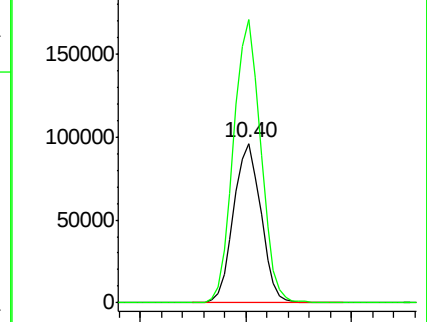
92 100

91 176.2 135.2 202.8

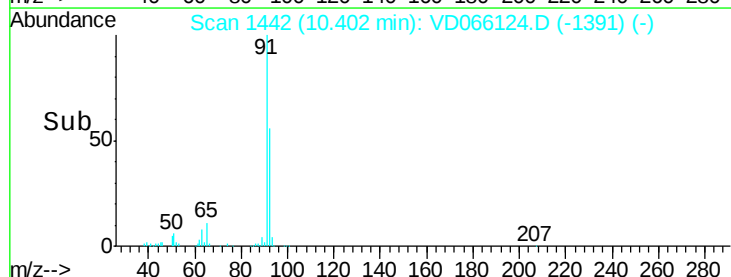


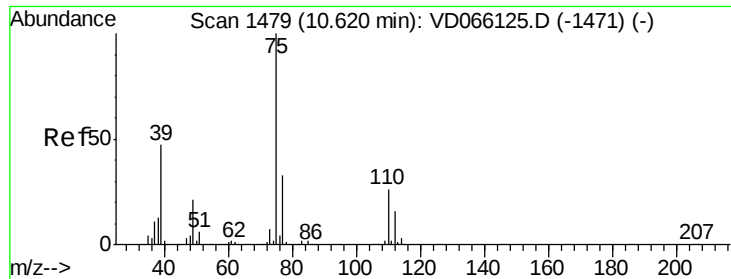
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





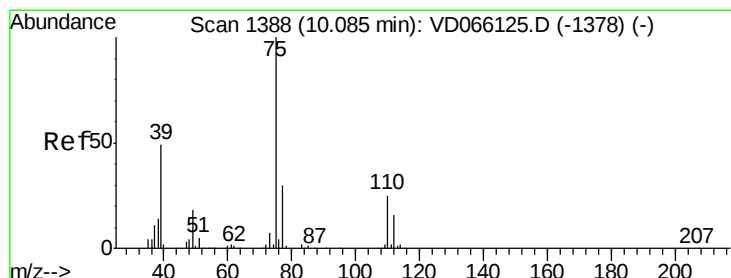
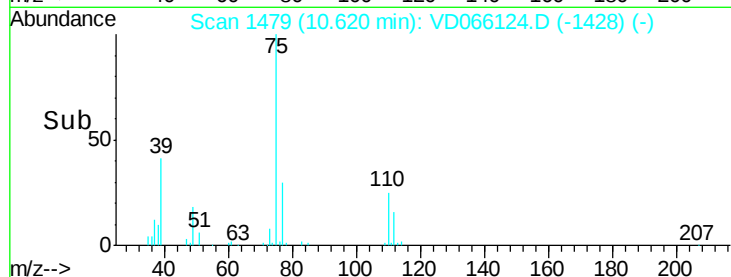
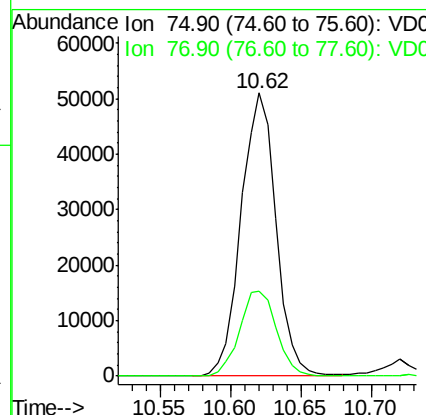
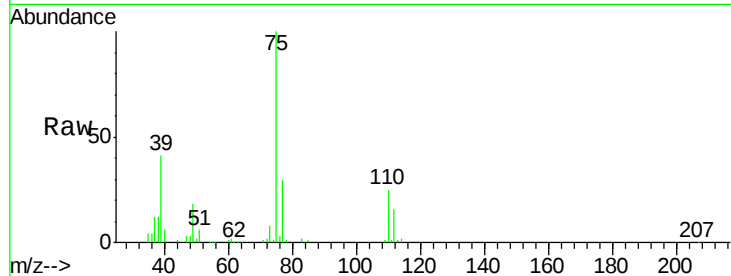
#53
t-1,3-Dichloropropene
Concen: 19.623 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 88194
Ion Ratio Lower Upper
75 100
77 30.0 26.2 39.2

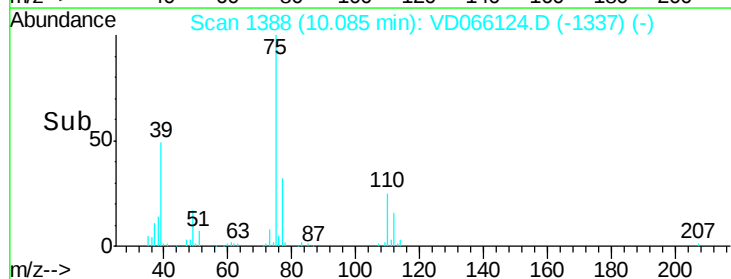
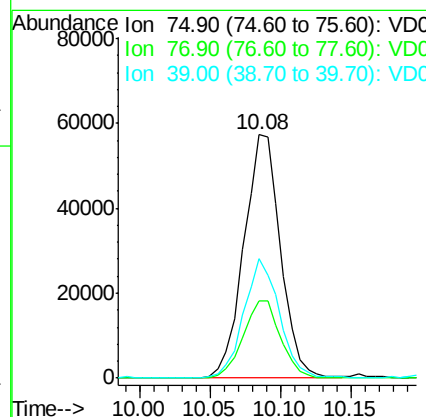
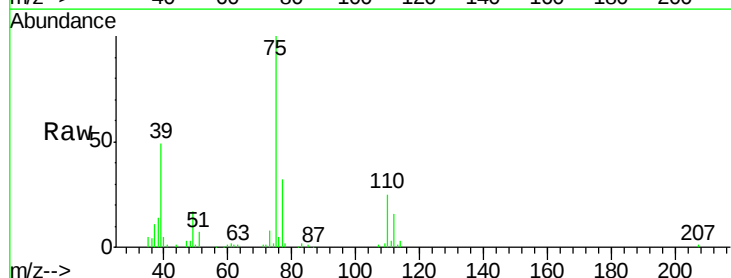
Manual Integrations
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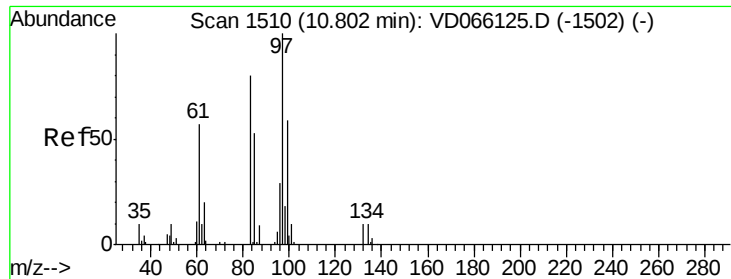
MMDadoda
8/6/2020 1:54:18 PM



#54
cis-1,3-Dichloropropene
Concen: 19.865 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion: 75 Resp: 104378
Ion Ratio Lower Upper
75 100
77 31.5 24.3 36.5
39 48.9 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 18.580 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

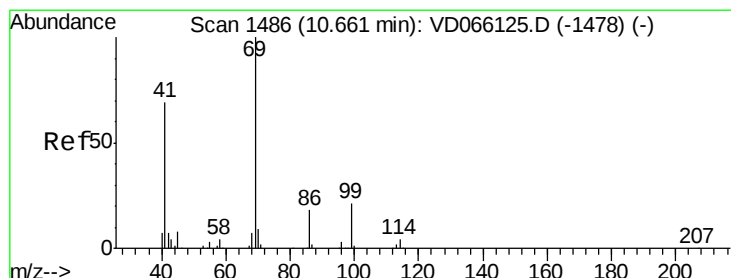
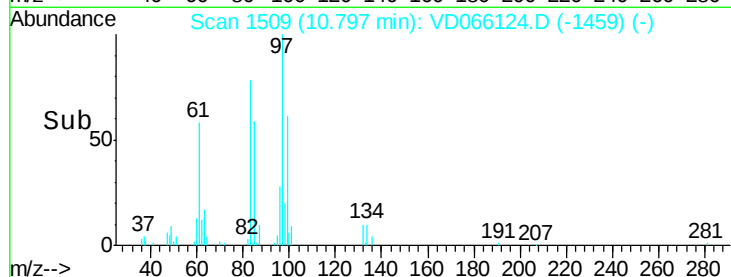
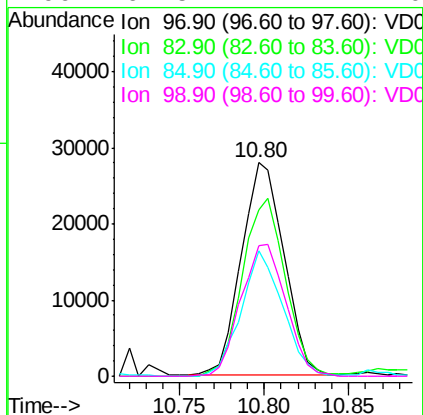
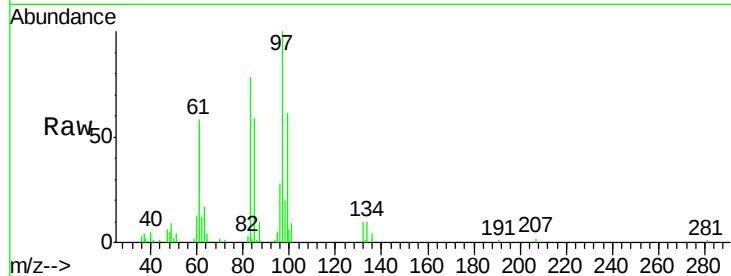
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	49122
Ion	Ratio	Lower	Upper
97	100		
83	78.3	63.9	95.9
85	58.9	42.5	63.7
99	61.5	47.4	71.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.723 ug/l

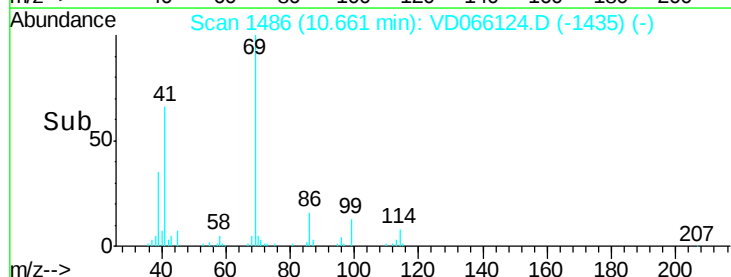
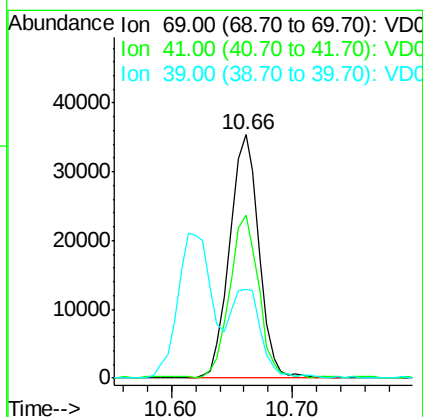
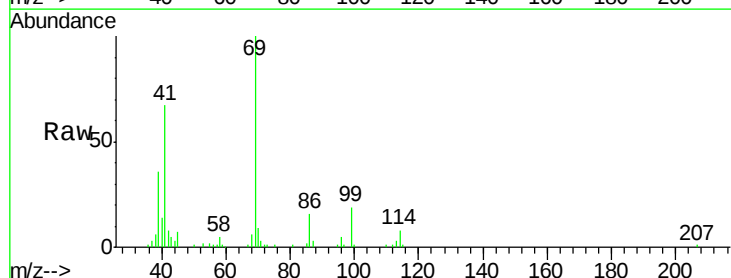
RT: 10.66 min Scan# 1486

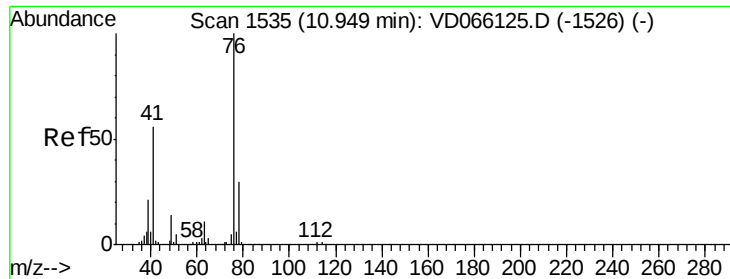
Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tgt Ion:	69	Resp:	59814
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.1	81.1
39	37.2	28.6	43.0





#57

1,3-Dichloropropane

Concen: 19.741 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 85828

Ion Ratio Lower Upper

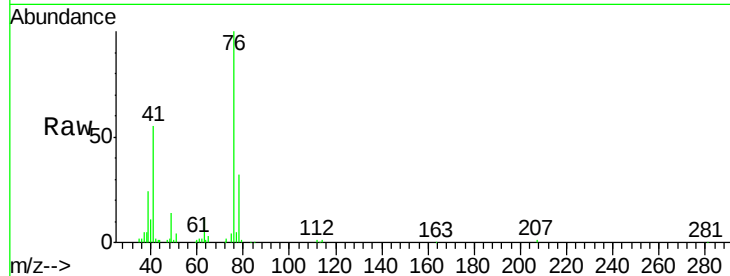
76 100

78 31.4 25.5 38.3

Manual Integrations
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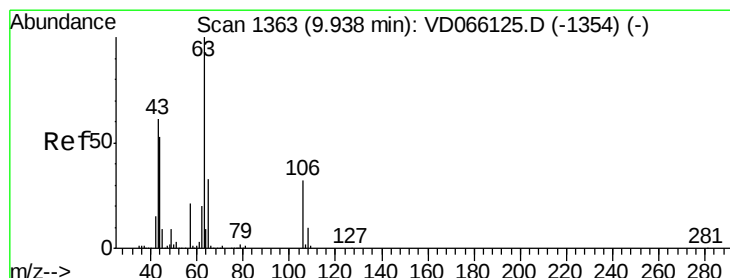
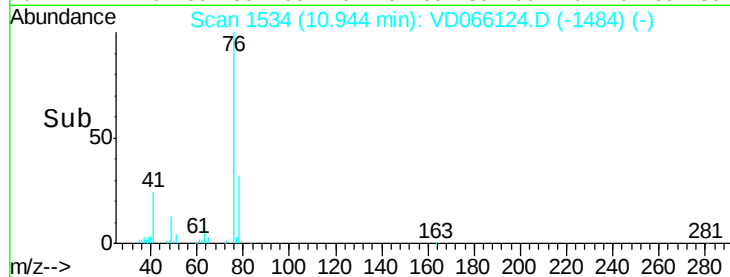
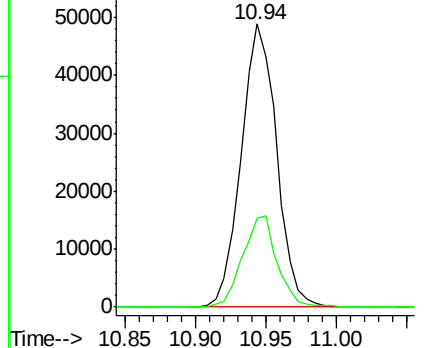
MMDadoda

8/6/2020 1:54:18 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 98.951 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066124.D

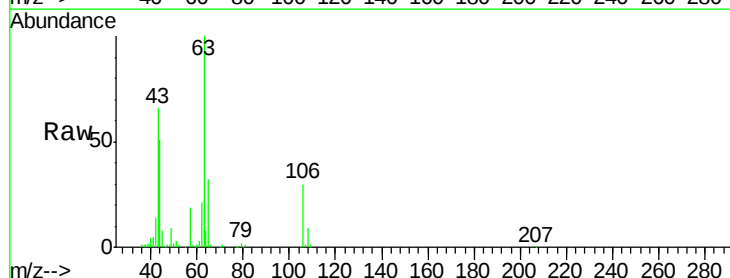
Acq: 05 Aug 2020 11:30

Tgt Ion: 63 Resp: 136532

Ion Ratio Lower Upper

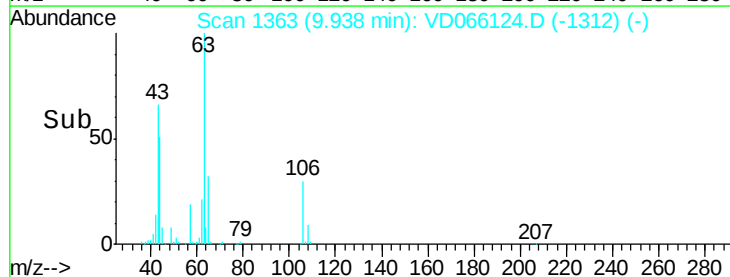
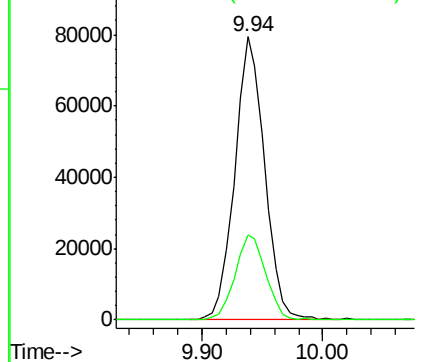
63 100

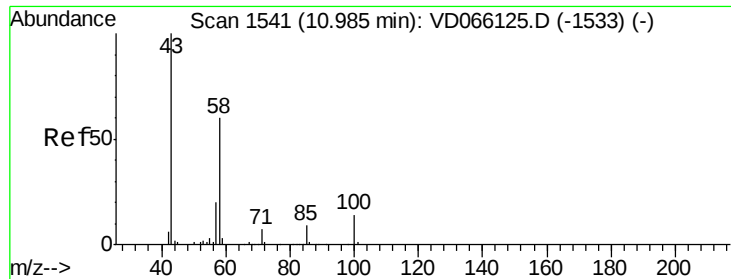
106 30.8 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





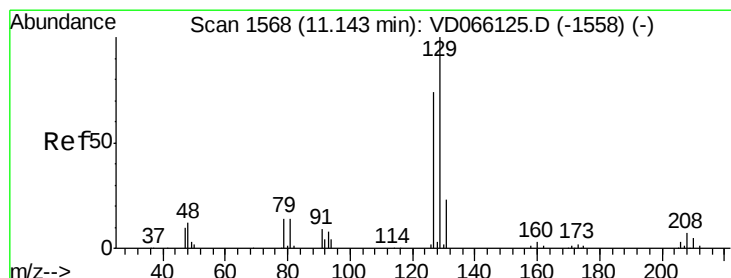
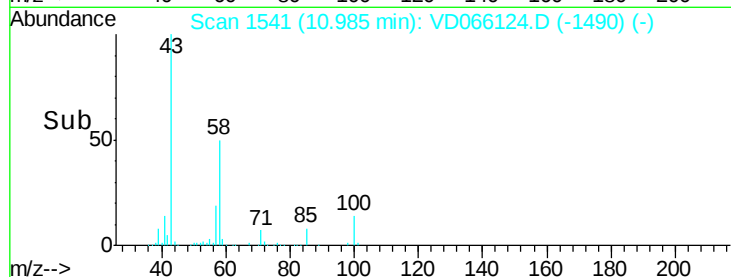
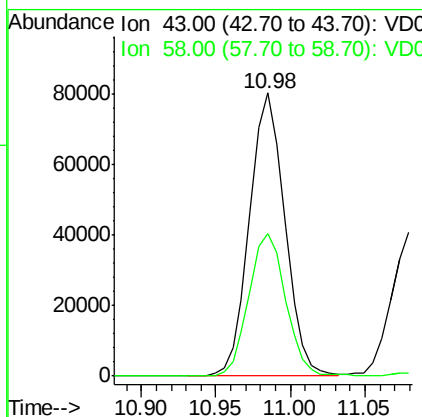
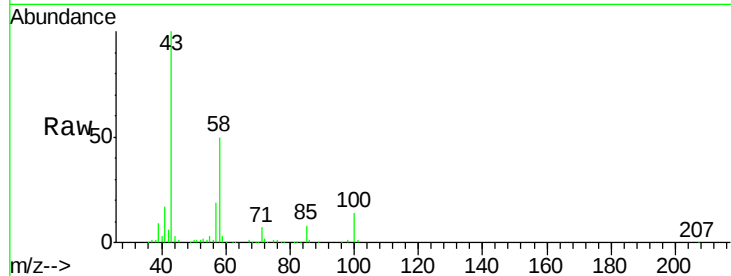
#59
2-Hexanone
Concen: 97.267 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	132014
Ion Ratio	43	100	
Lower	58	52.4	27.8
Upper			83.4

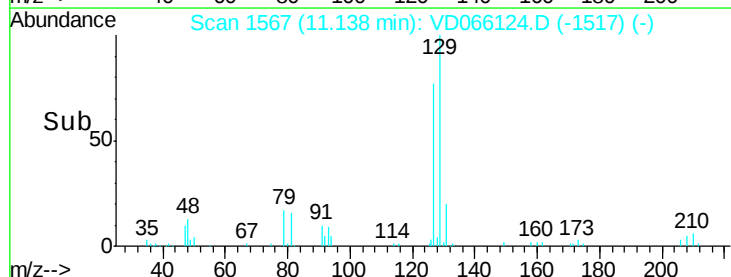
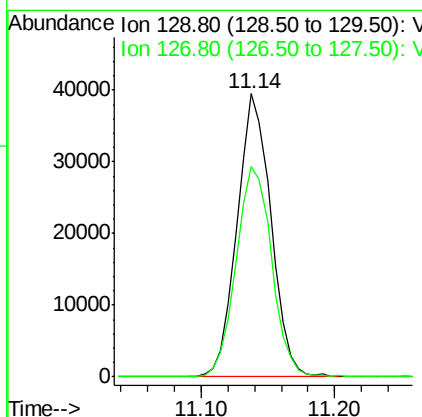
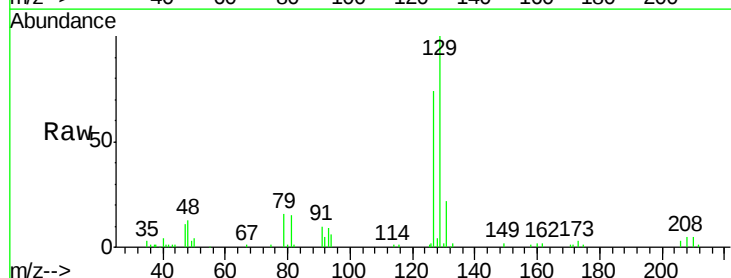
Manual Integrations
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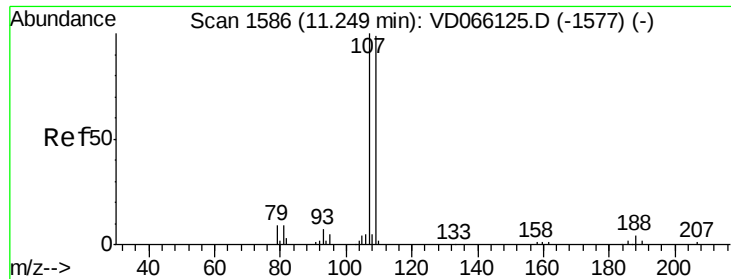
MMDadoda
8/6/2020 1:54:18 PM



#60
Dibromochloromethane
Concen: 19.124 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	129	Resp	69215
Ion Ratio	129	100	
Lower	127	78.2	38.0
Upper			114.1





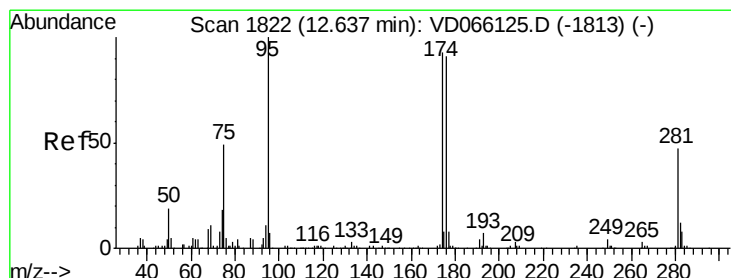
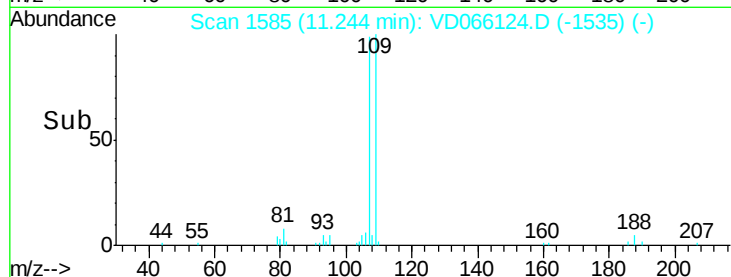
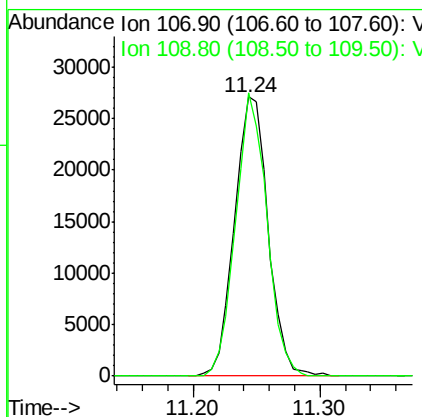
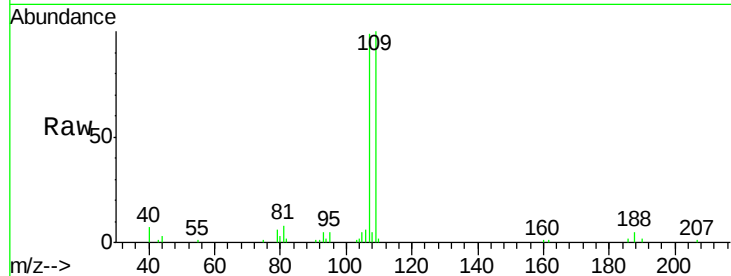
#61
 1,2-Dibromoethane
 Concen: 19.921 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 49941
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.5 114.7

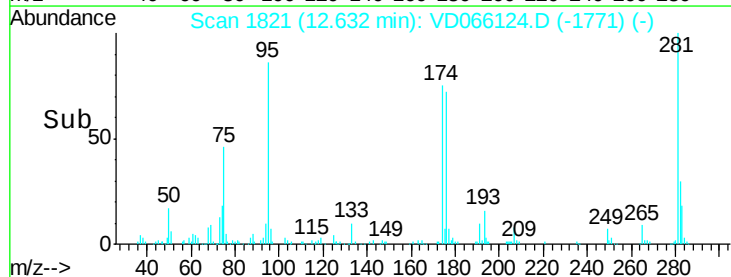
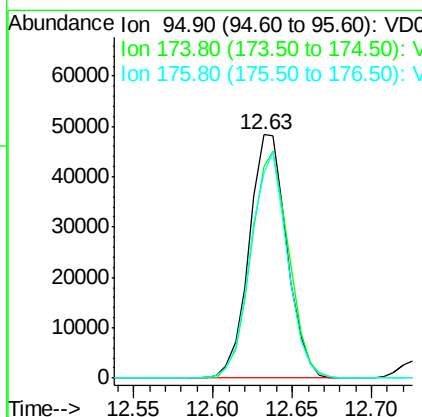
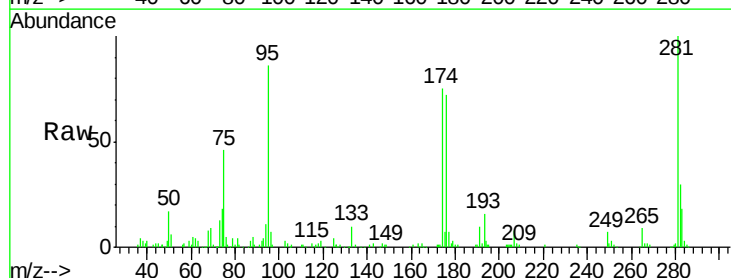
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#62
 4-Bromofluorobenzene
 Concen: 18.485 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Tgt Ion: 95 Resp: 79838
 Ion Ratio Lower Upper
 95 100
 174 93.6 0.0 180.8
 176 90.4 0.0 181.2





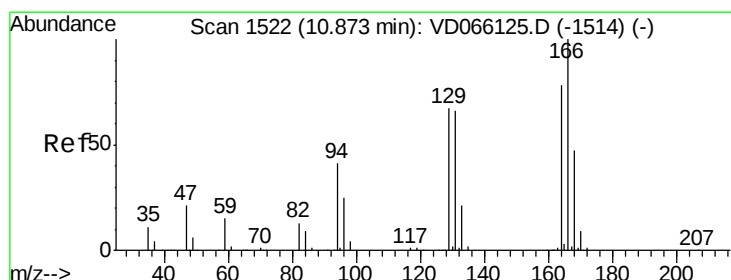
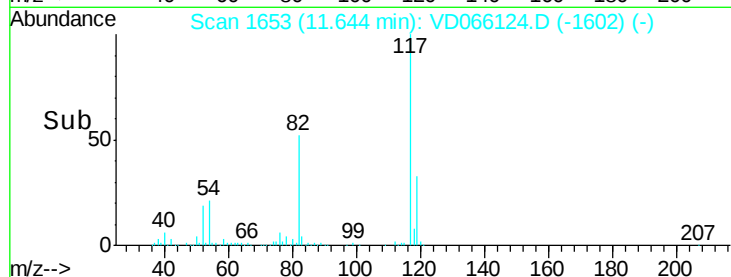
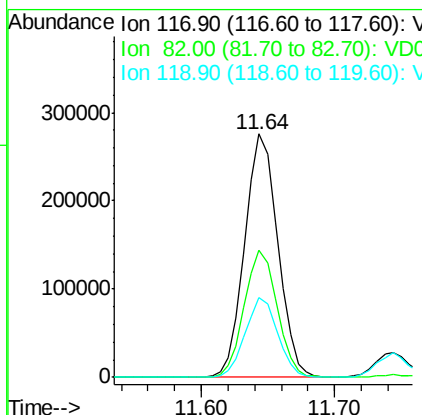
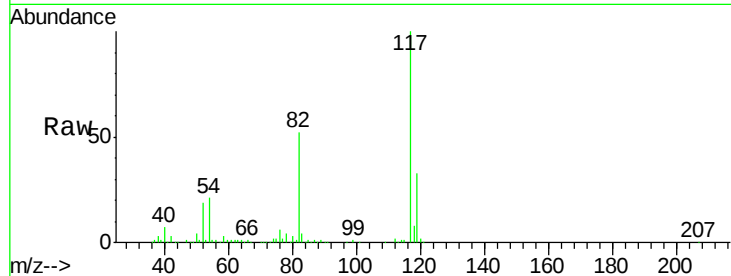
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	473756		
82	52.4		43.0	64.4
119	32.8		26.1	39.1

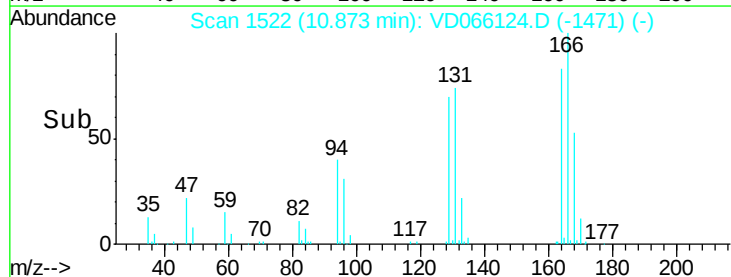
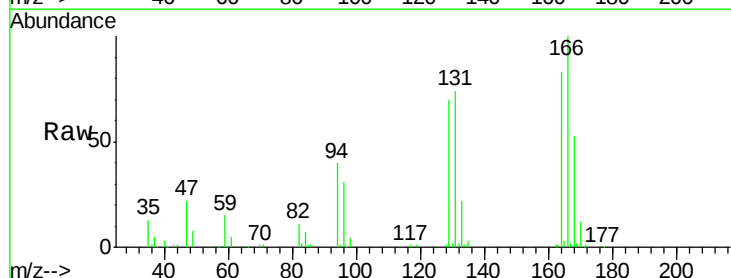
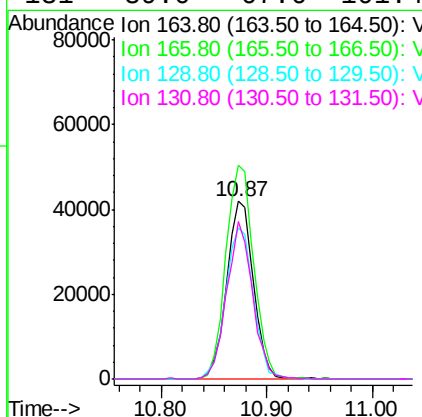
Manual Integrations
APPROVED

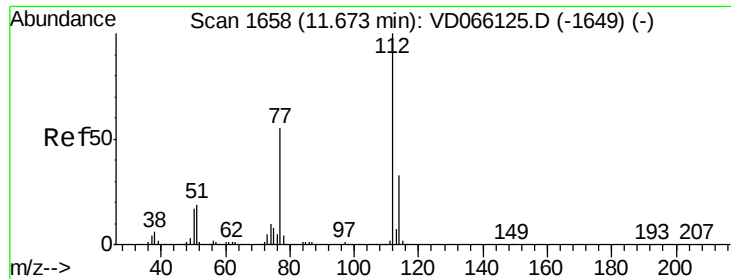
MMDadoda
8/6/2020 1:54:18 PM



#64
Tetrachloroethene
Concen: 19.707 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73178		
166	120.3		101.9	152.9
129	84.7		68.1	102.1
131	89.0		67.6	101.4





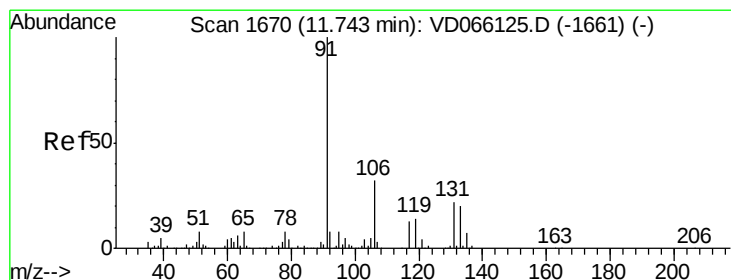
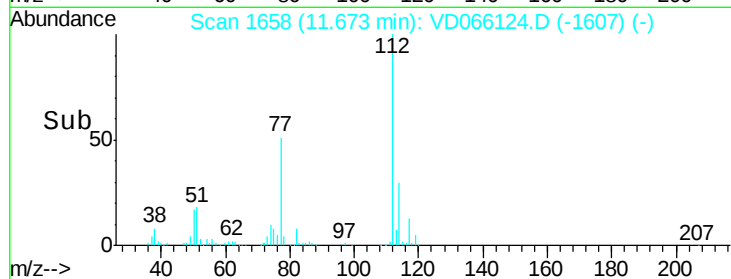
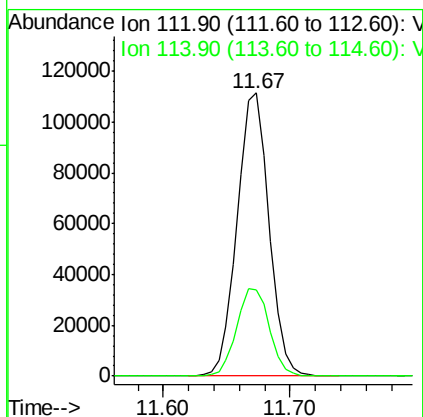
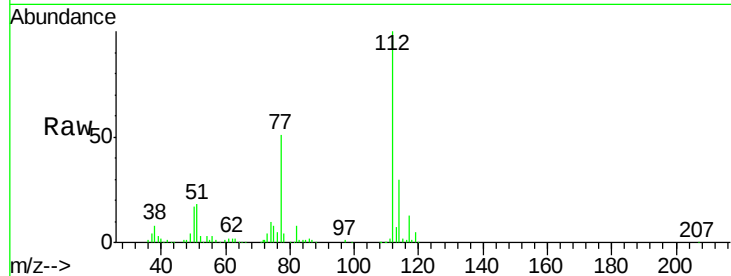
#65
Chlorobenzene
Concen: 19.721 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.1	39.1

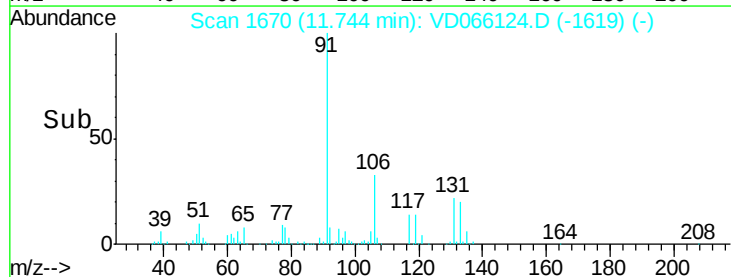
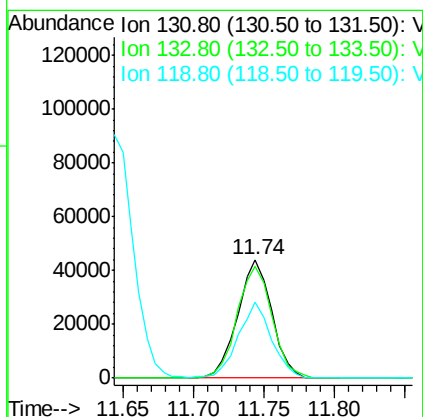
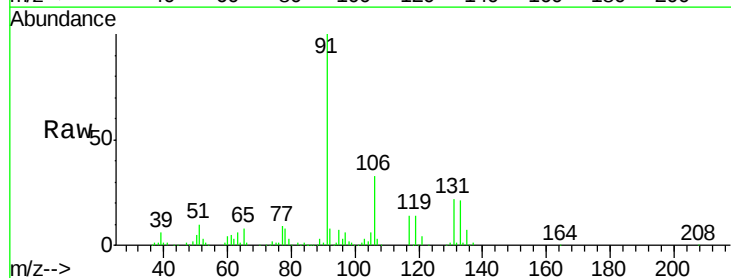
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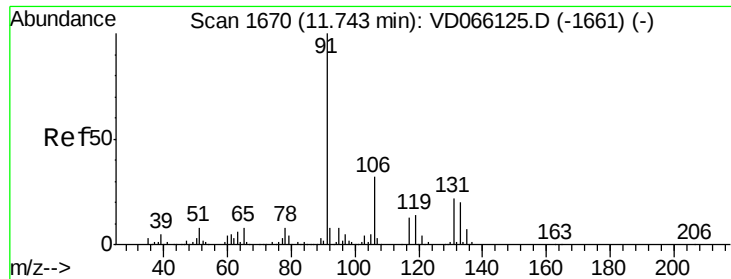
MMDadoda
8/6/2020 1:54:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.337 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.1	141.4
119	62.3	31.6	94.7





#67

Ethyl Benzene

Concen: 19.797 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 334053

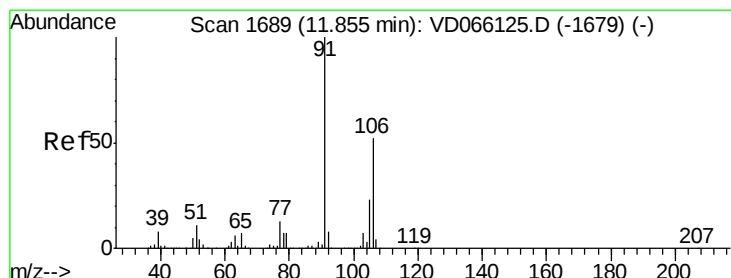
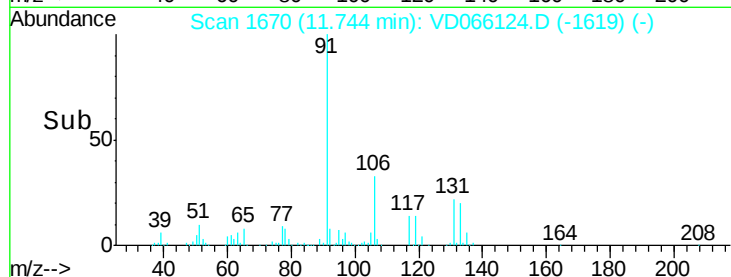
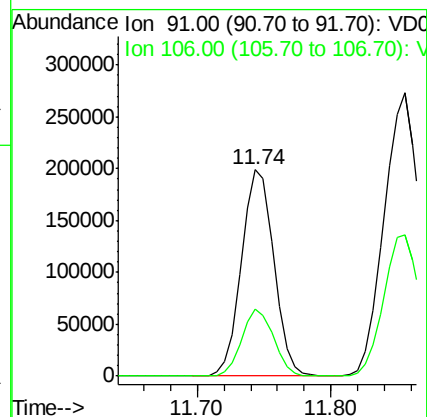
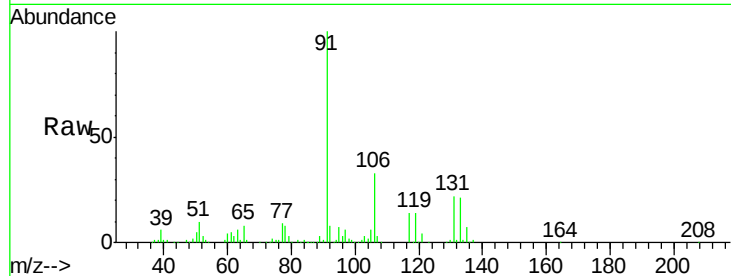
Ion Ratio Lower Upper

91 100

106 32.5 25.7 38.5

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#68

m/p-Xylenes

Concen: 39.828 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066124.D

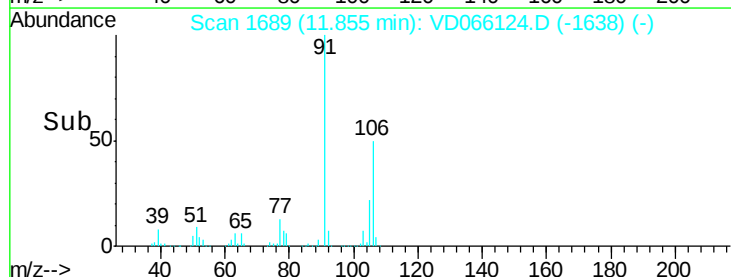
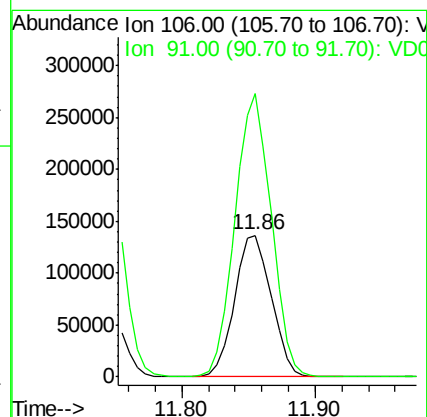
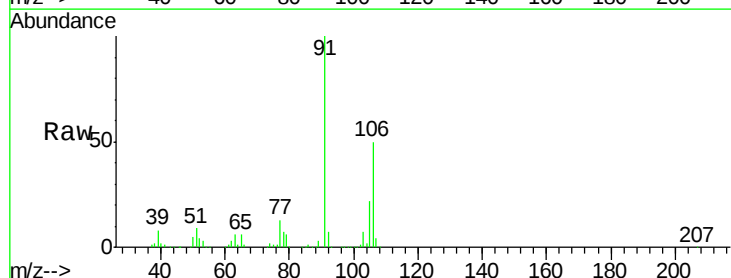
Acq: 05 Aug 2020 11:30

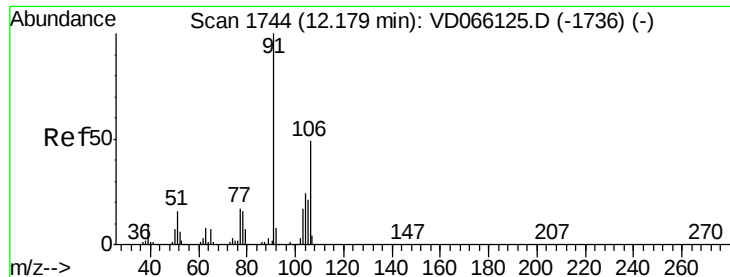
Tgt Ion: 106 Resp: 261368

Ion Ratio Lower Upper

106 100

91 197.3 156.6 235.0





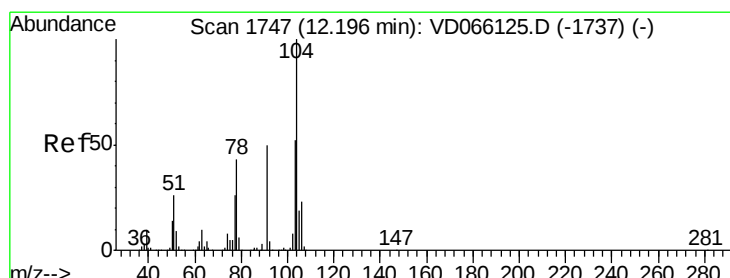
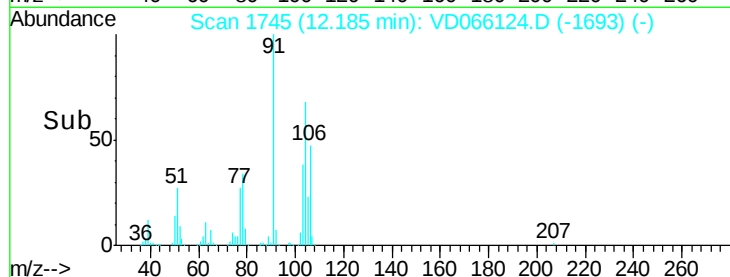
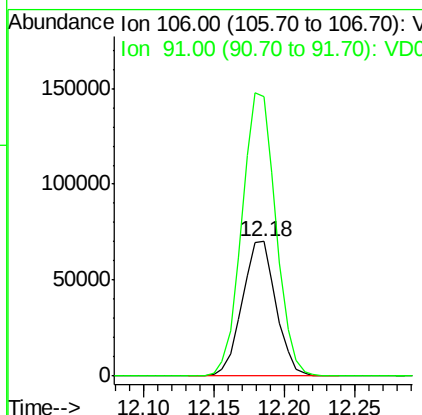
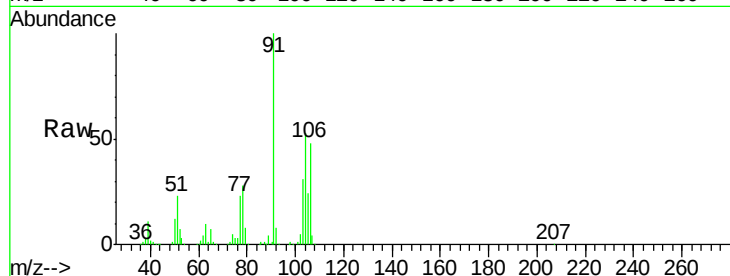
#69
o-Xylene
Concen: 19.917 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		117609		
91	211.7	105.7	317.1		

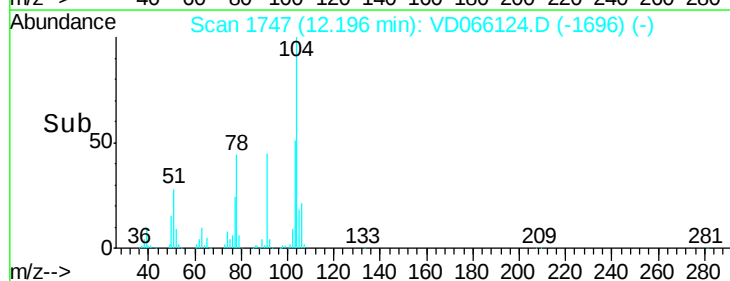
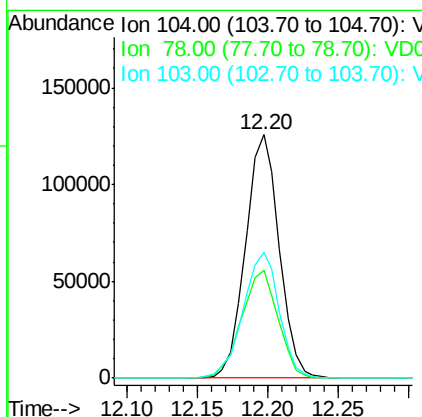
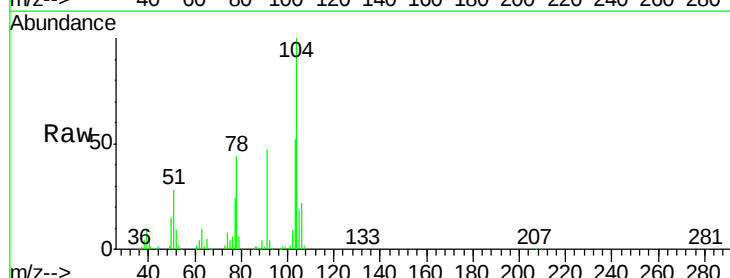
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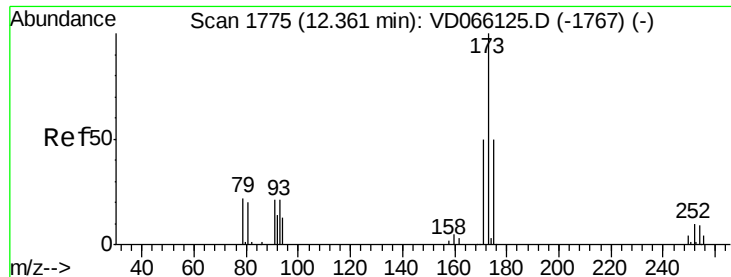
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#70
Styrene
Concen: 20.196 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		210083		
78	48.1	38.6	58.0		
103	55.4	44.1	66.1		





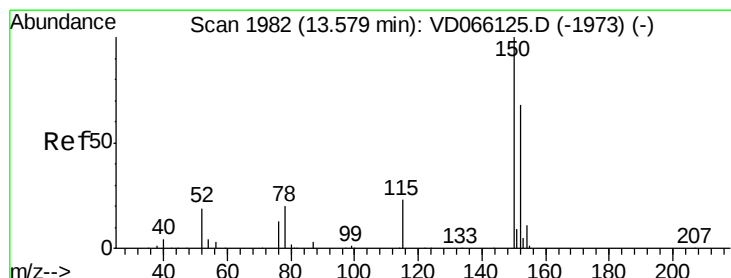
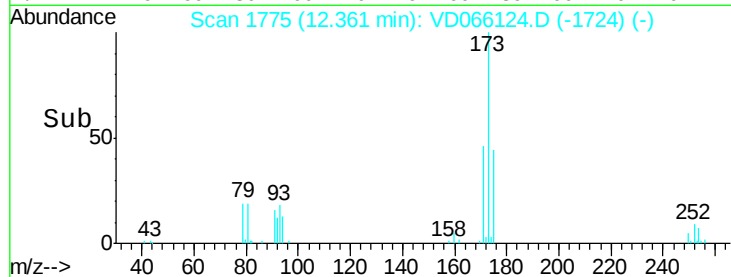
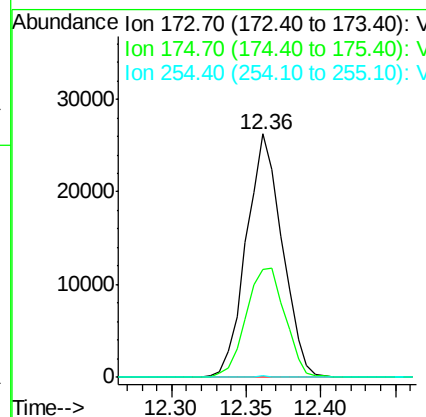
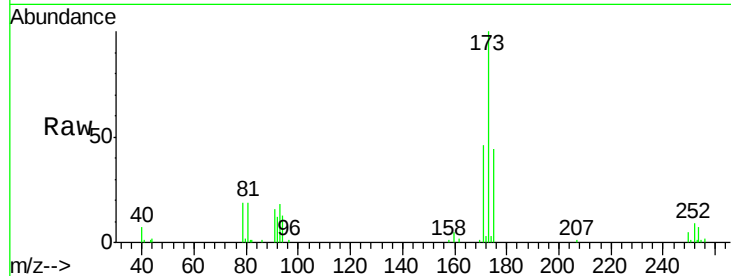
#71
Bromoform
Concen: 19.223 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.1	0.2	0.2

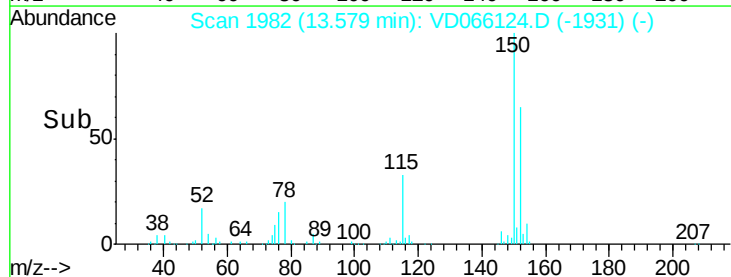
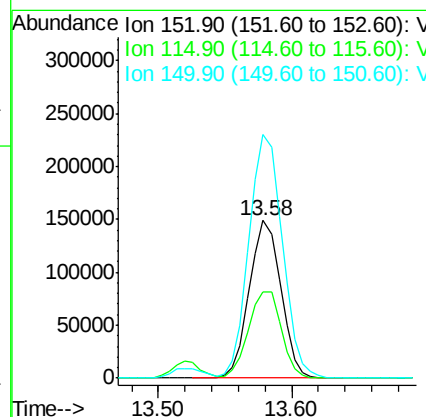
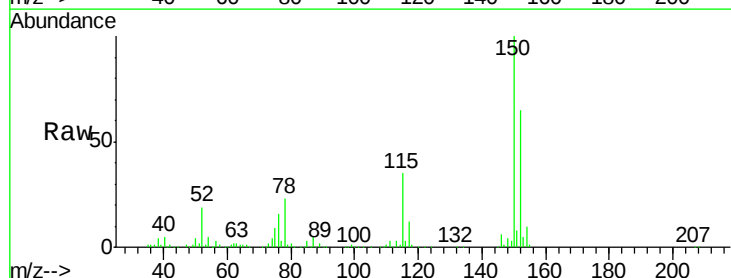
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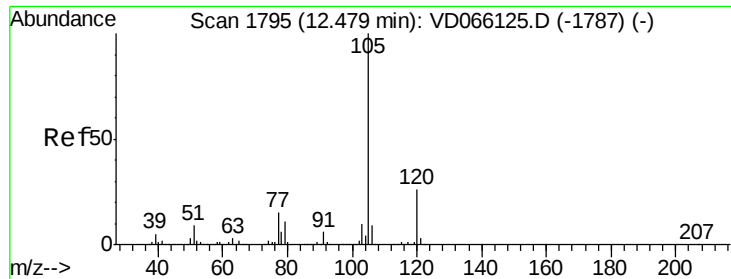
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.0	83.9
150	163.6	0.0	346.4





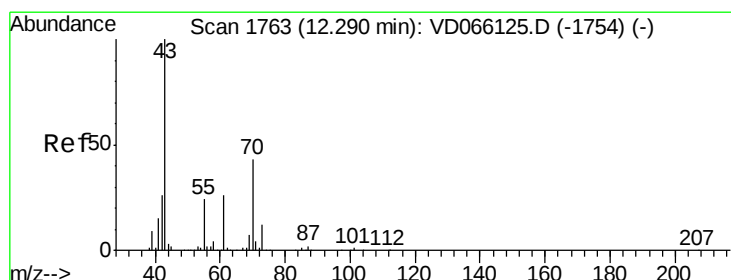
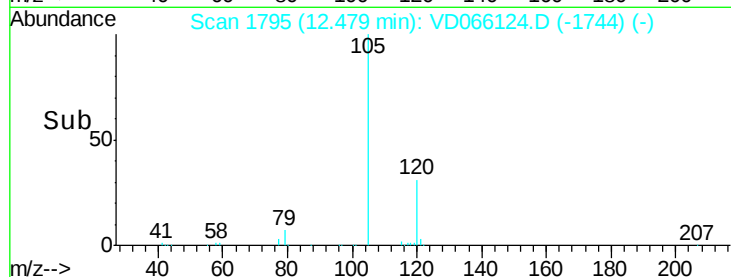
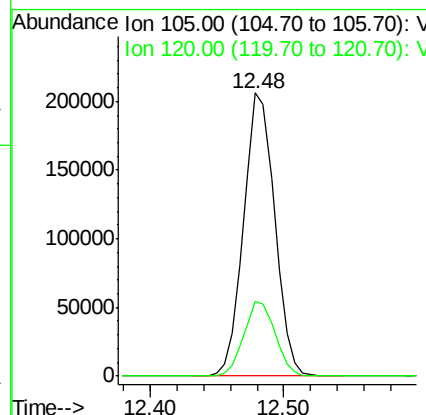
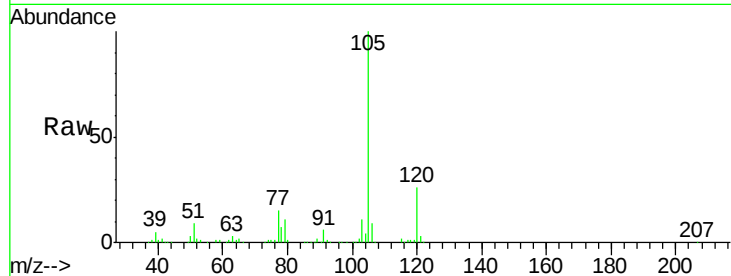
#73
Isopropylbenzene
Concen: 20.246 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	331375		
120	26.7	13.3	39.9	

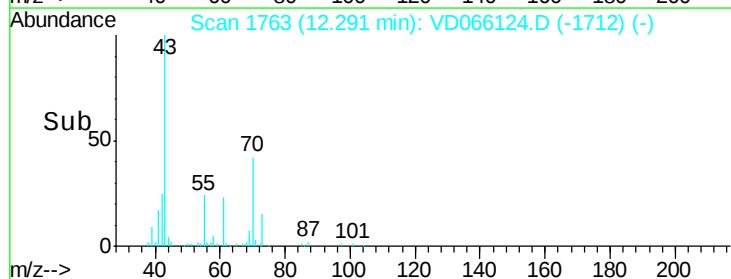
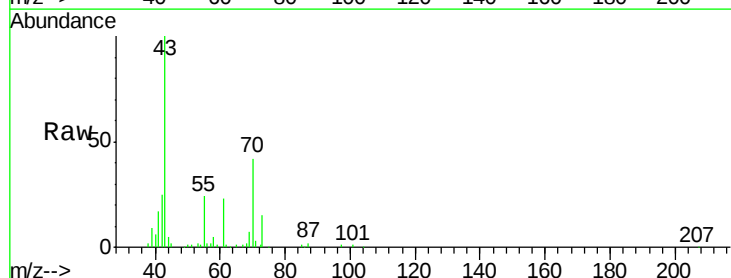
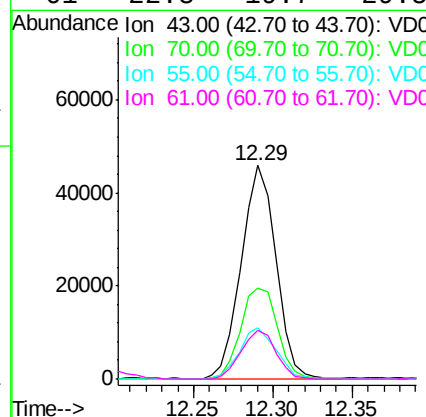
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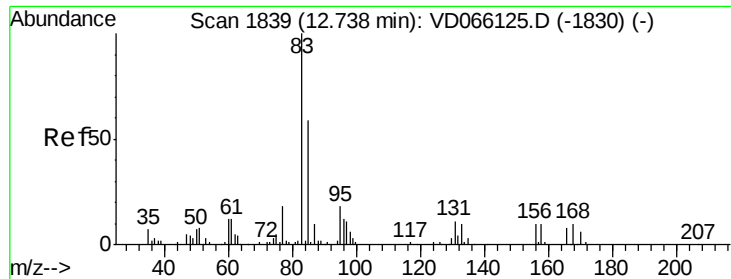
MMDadoda
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#74
N-ethyl acetate
Concen: 19.860 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	69931		
70	45.3	34.9	52.3	
55	25.1	19.2	28.8	
61	22.8	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.198 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

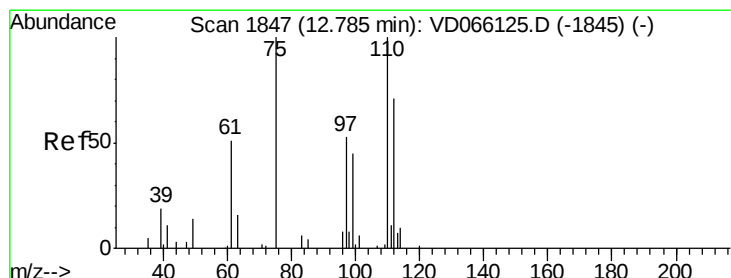
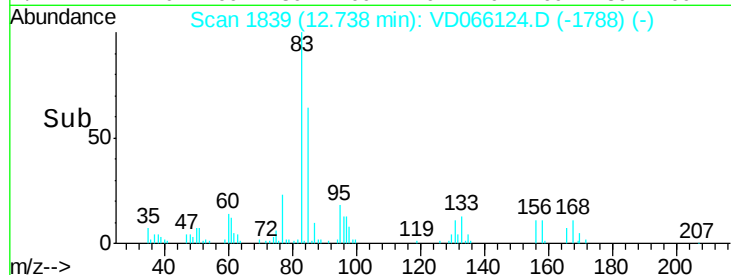
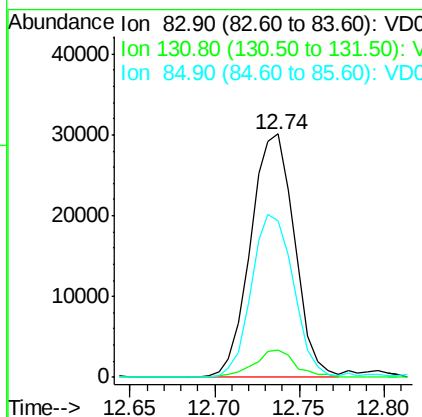
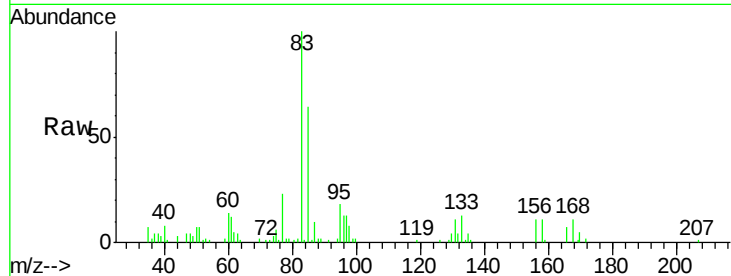
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	54493
Ion Ratio	Lower	Upper	
83	100		
131	10.5	6.2	18.6
85	64.1	32.4	97.2

Manual Integrations
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8/6/2020 1:54:18 PM



#76

1,2,3-Trichloropropane

Concen: 21.847 ug/l m

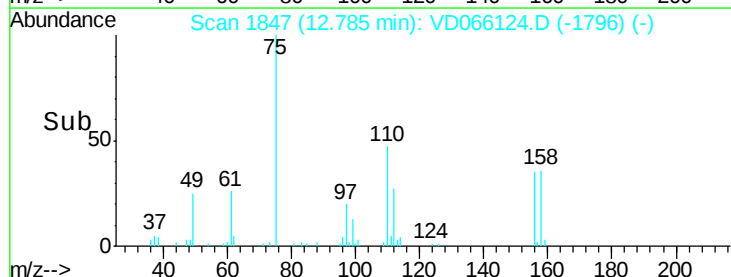
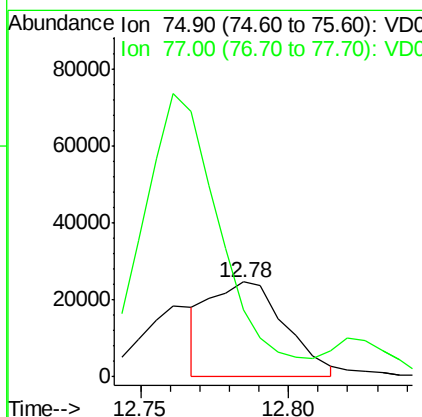
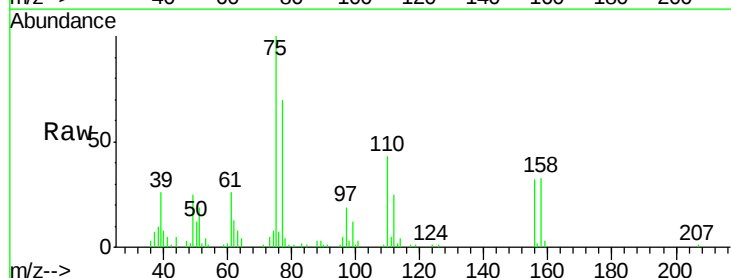
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tgt Ion:	75	Resp:	43986
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.944 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

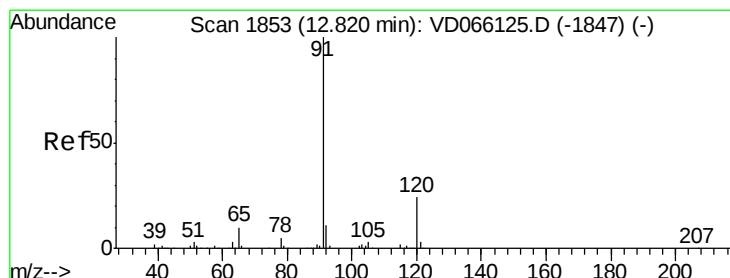
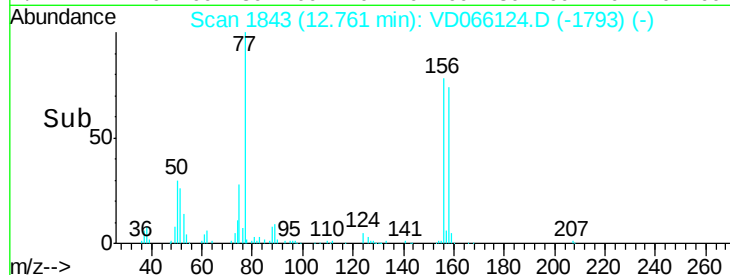
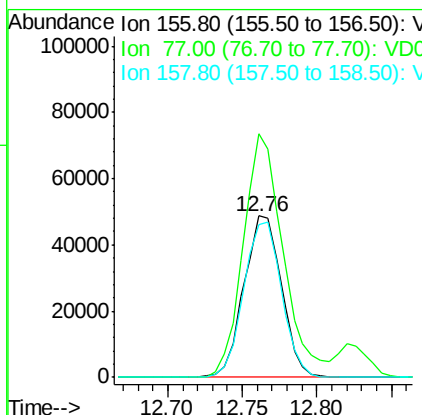
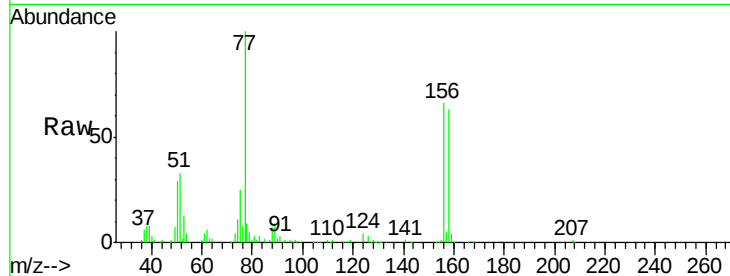
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	84757
Ion	Ratio	Lower	Upper
156	100		
77	161.1	81.0	243.1
158	97.0	48.8	146.3

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#78

n-propylbenzene

Concen: 20.079 ug/l

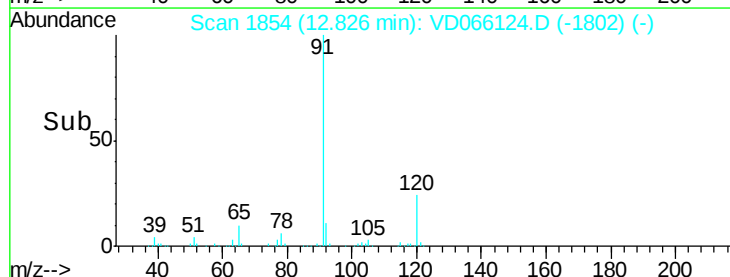
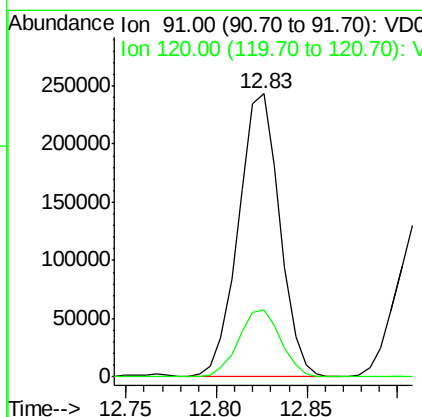
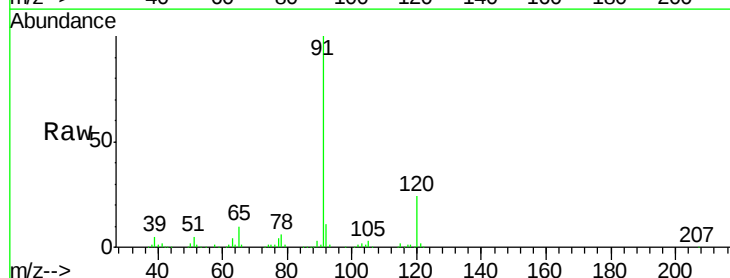
RT: 12.83 min Scan# 1854

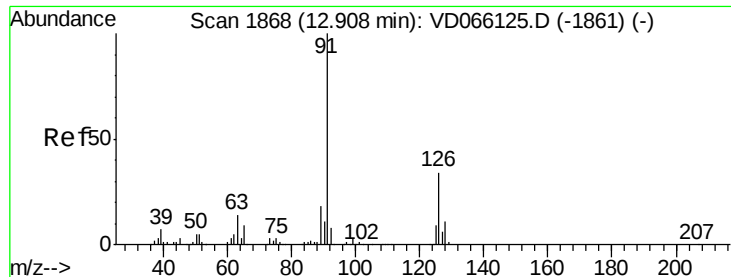
Delta R.T. 0.01 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Tgt Ion:	91	Resp:	383892
Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.862 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 217762

Ion Ratio Lower Upper

91 100

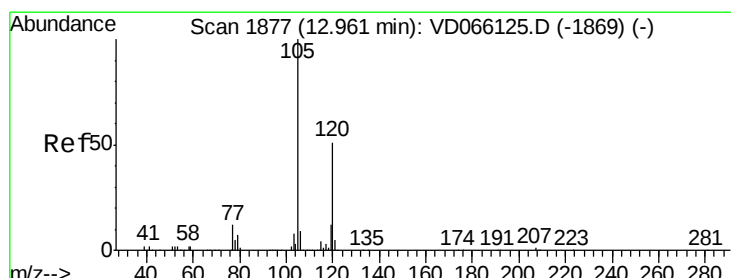
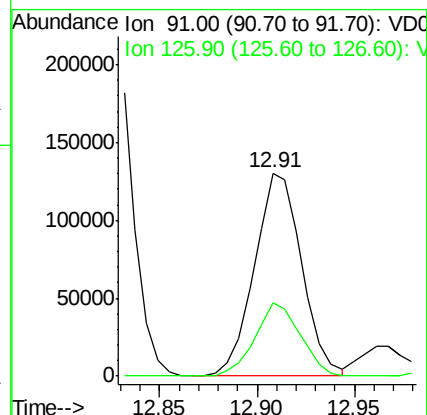
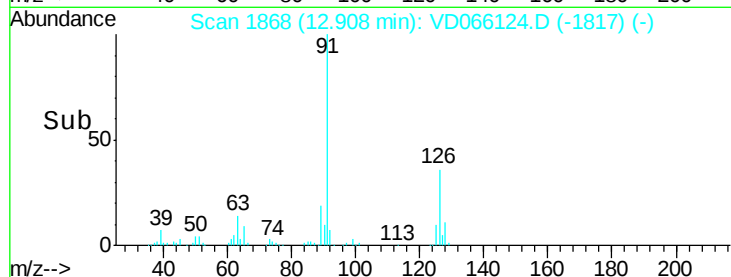
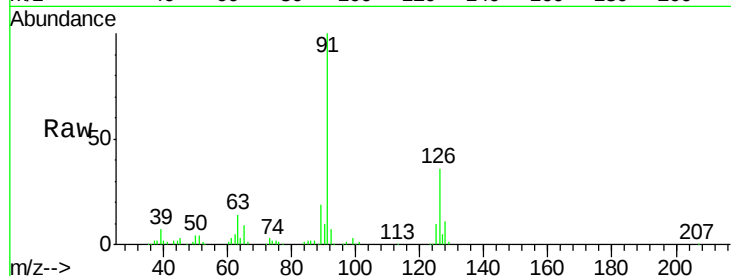
126 34.8 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.149 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066124.D

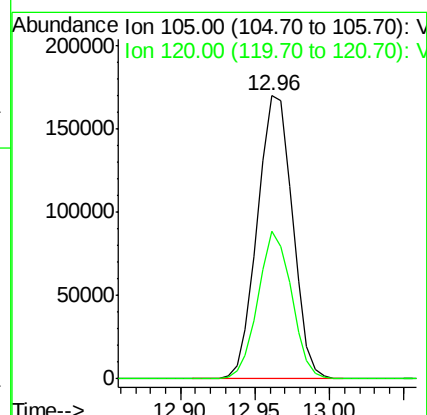
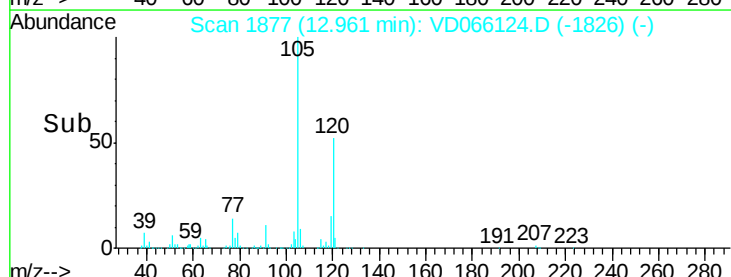
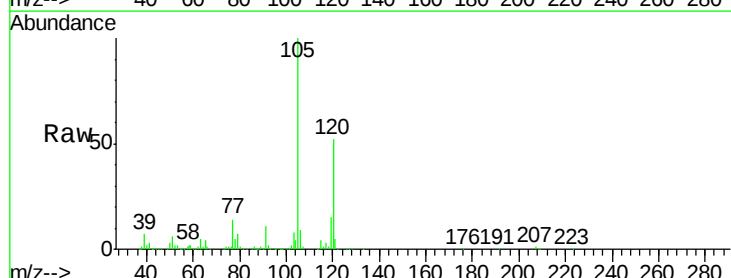
Acq: 05 Aug 2020 11:30

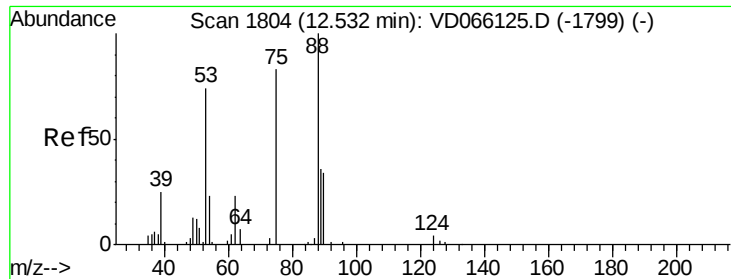
Tgt Ion: 105 Resp: 276258

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.8





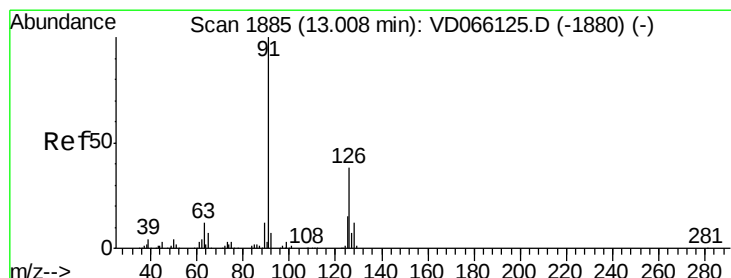
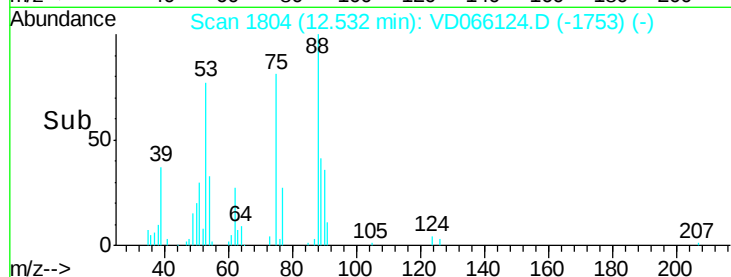
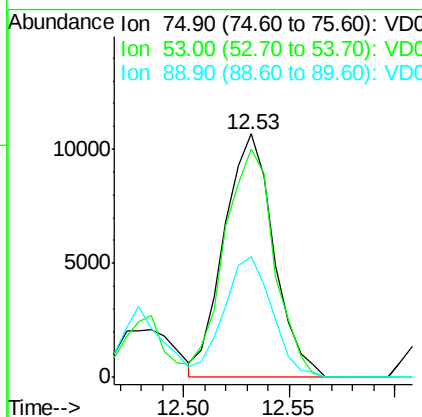
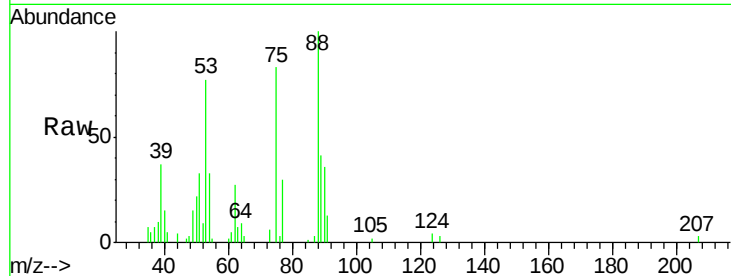
#81
trans-1,4-Dichloro-2-butene
Concen: 18.896 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	73.4	110.2
89	48.1	36.6	55.0

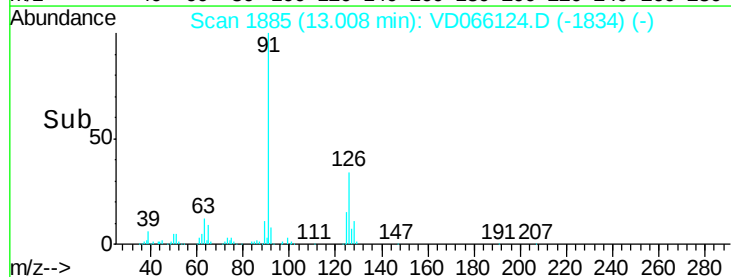
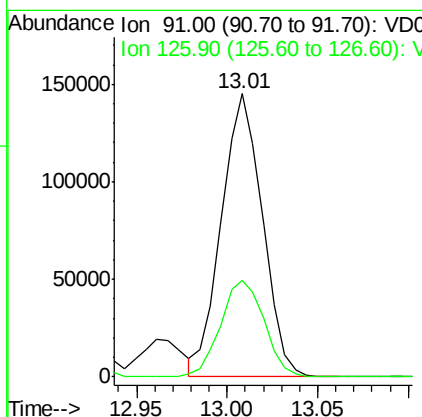
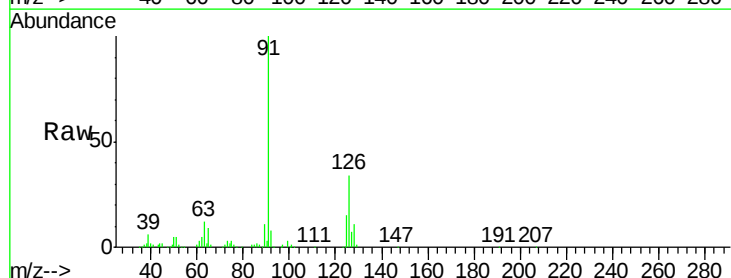
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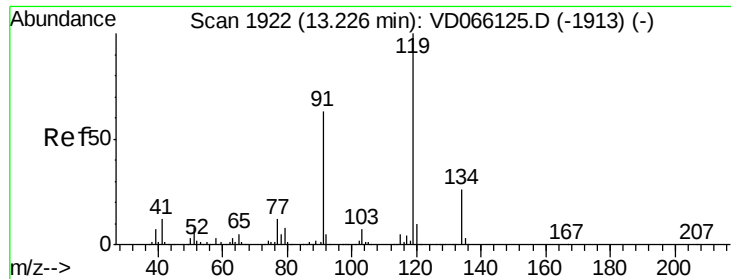
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#82
4-Chlorotoluene
Concen: 19.650 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.3





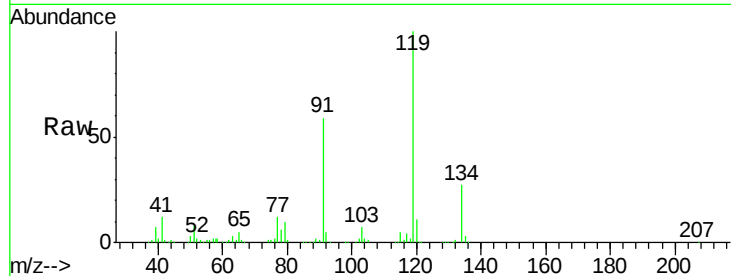
#83
tert-Butylbenzene
Concen: 20.251 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

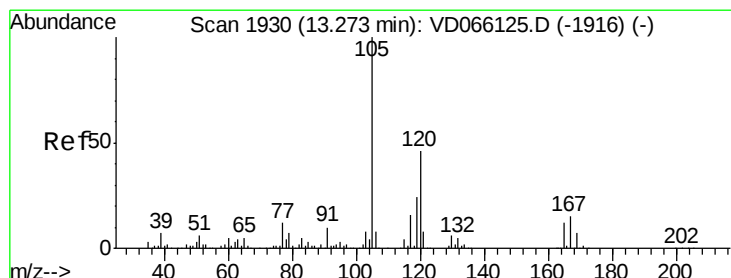
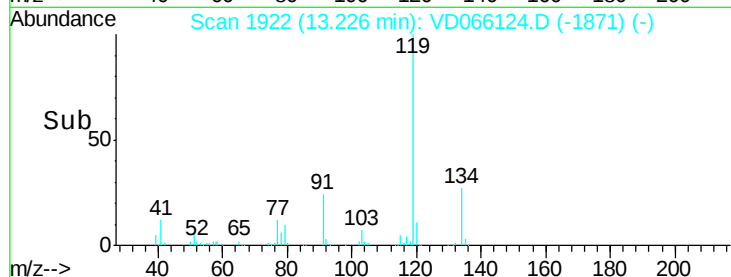
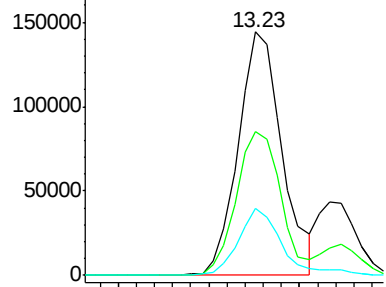
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.8	92.4
134	27.7	13.6	40.8

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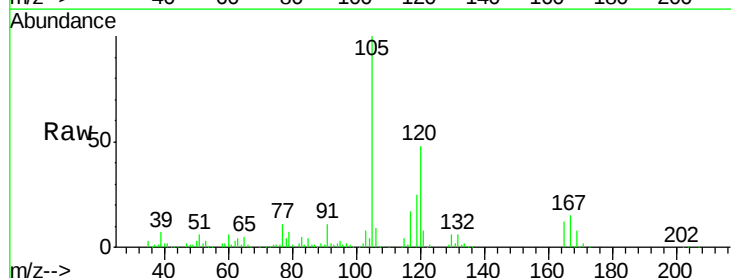


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

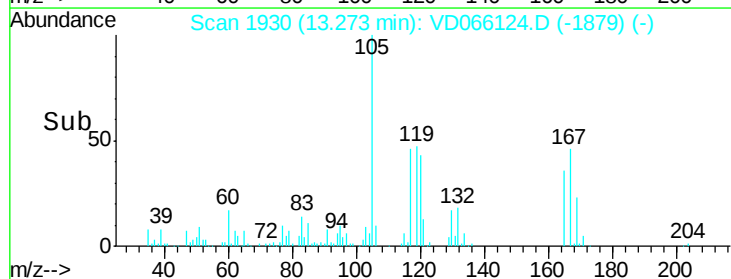
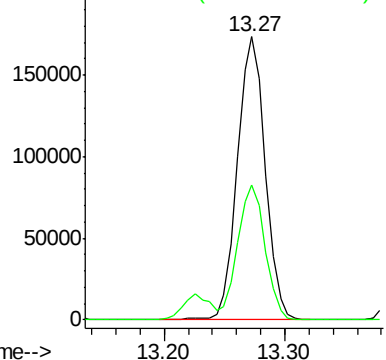


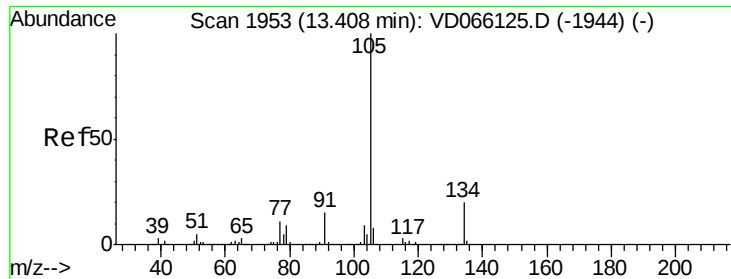
#84
1,2,4-Trimethylbenzene
Concen: 20.246 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.1	69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.865 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 323288

Ion Ratio Lower Upper

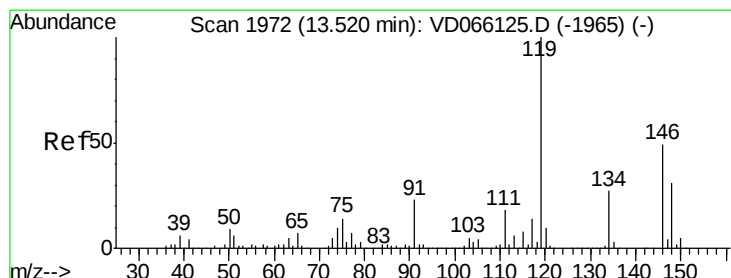
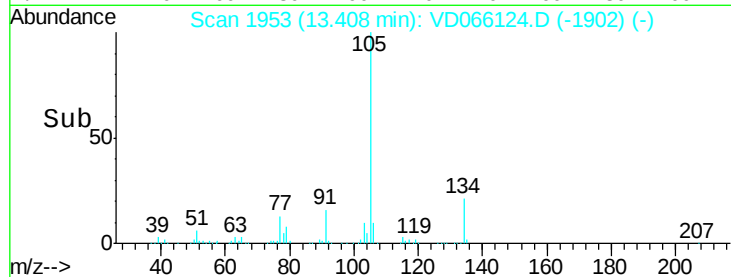
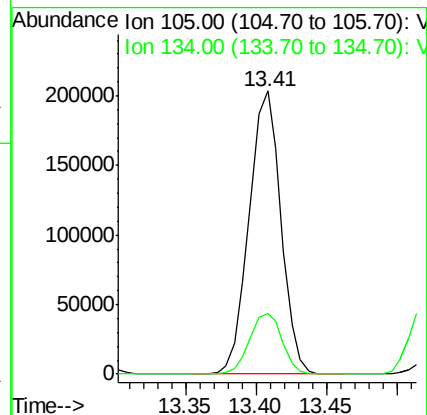
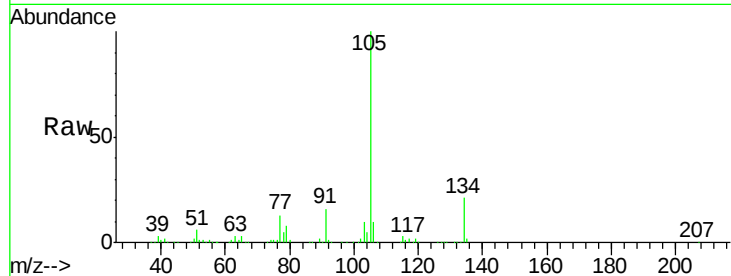
105 100

134 21.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 20.297 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066124.D

Acq: 05 Aug 2020 11:30

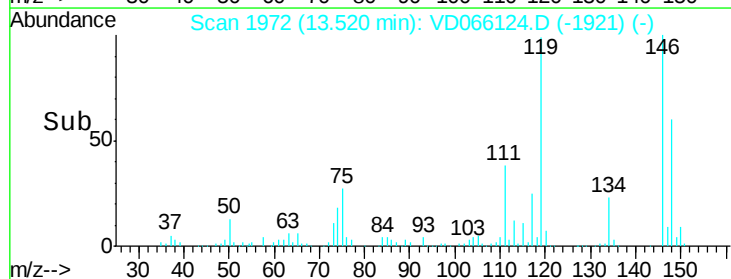
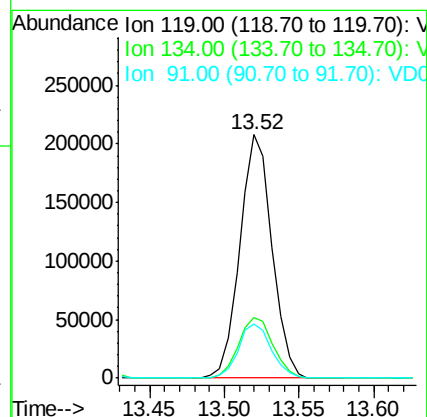
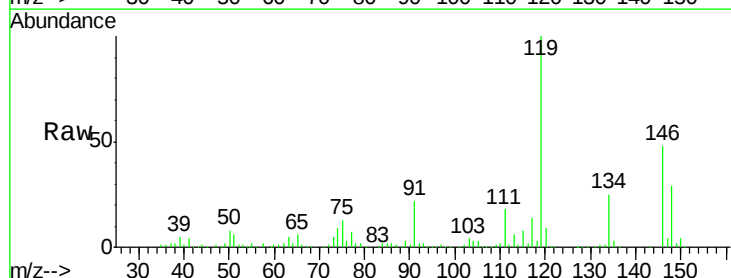
Tgt Ion:119 Resp: 310673

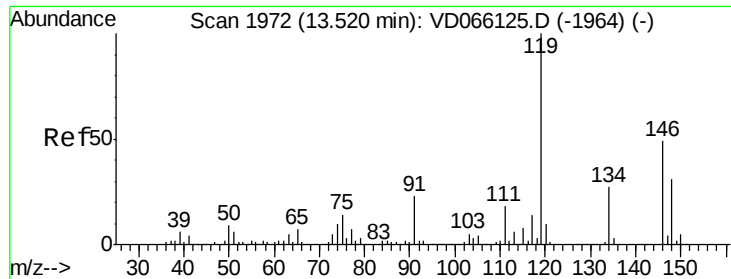
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.8 11.2 33.5





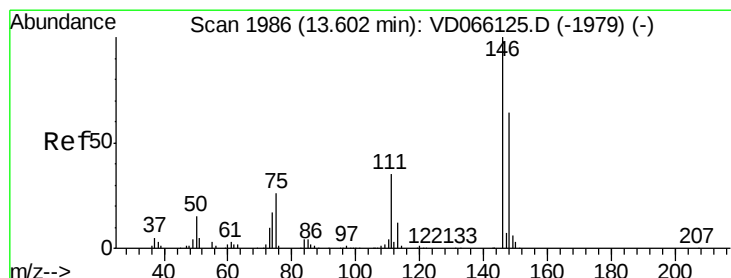
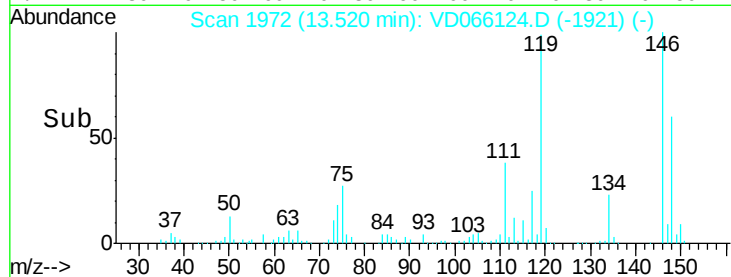
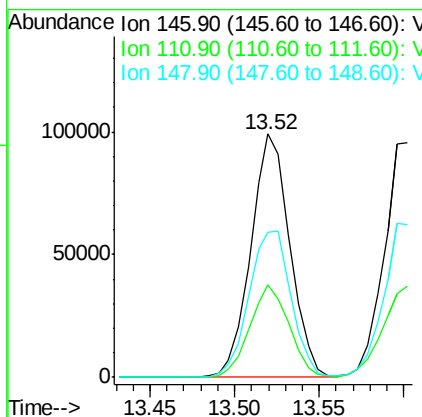
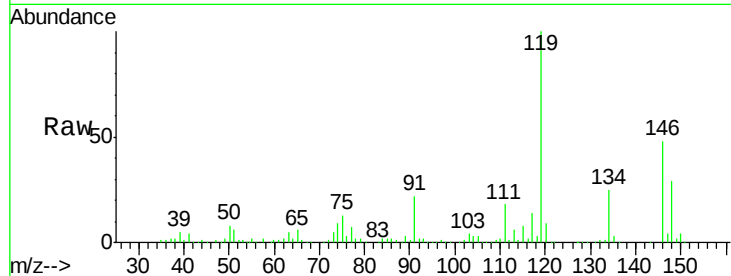
#87
 1,3-Dichlorobenzene
 Concen: 19.641 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	65.0	31.8	95.3

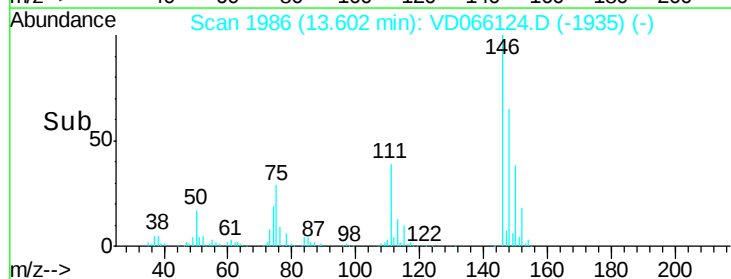
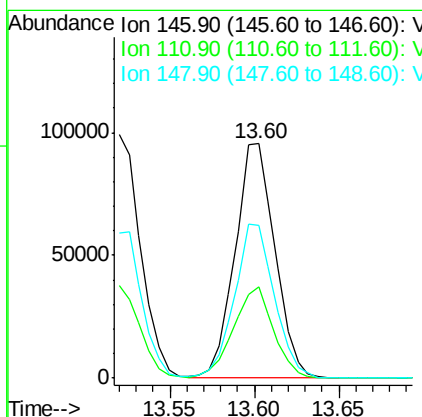
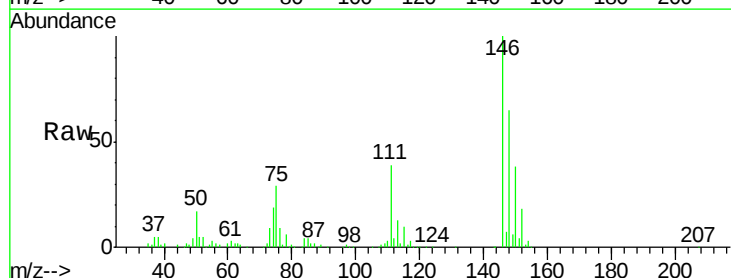
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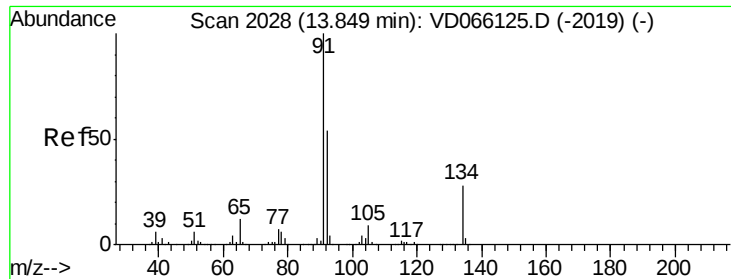
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#88
 1,4-Dichlorobenzene
 Concen: 19.636 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.8
148	65.9	32.4	97.0





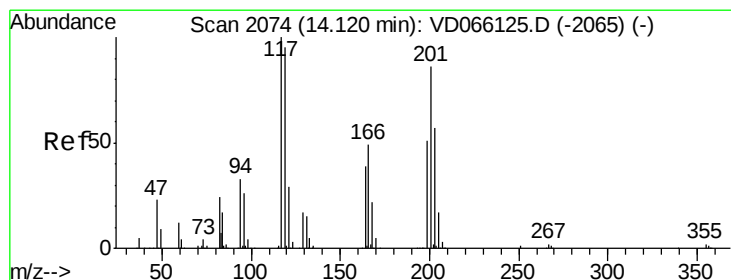
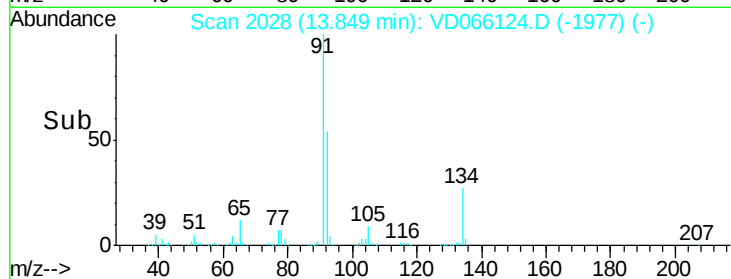
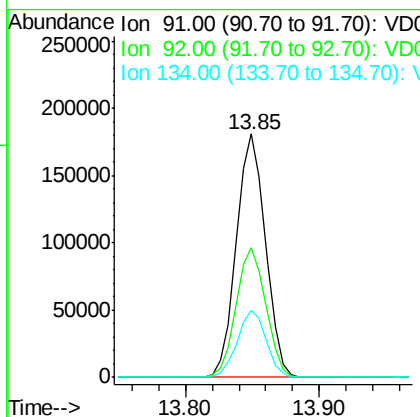
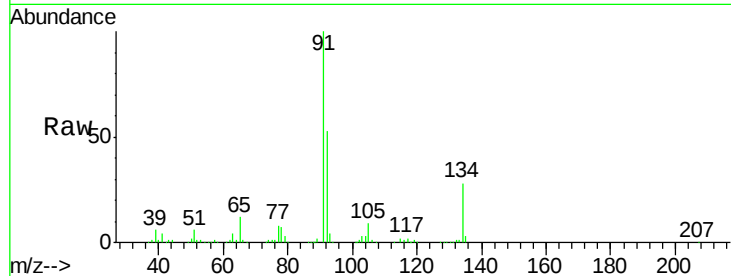
#89
n-Butylbenzene
Concen: 20.109 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	272985		
92	54.1		26.8	80.3
134	27.3		14.0	41.9

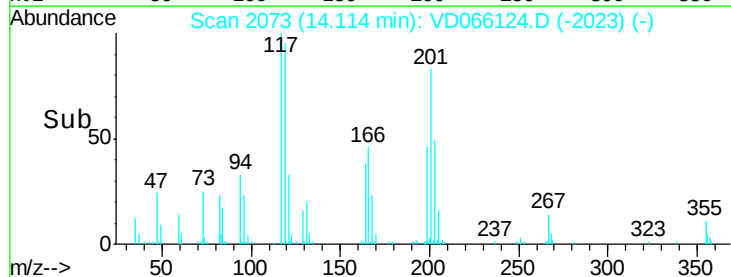
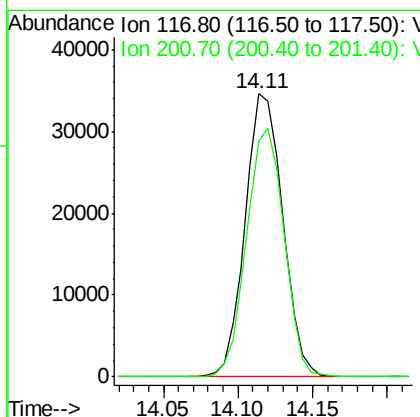
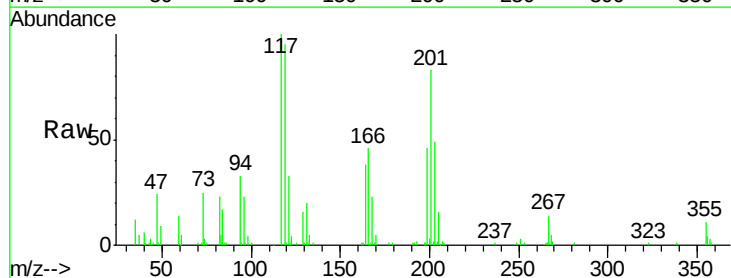
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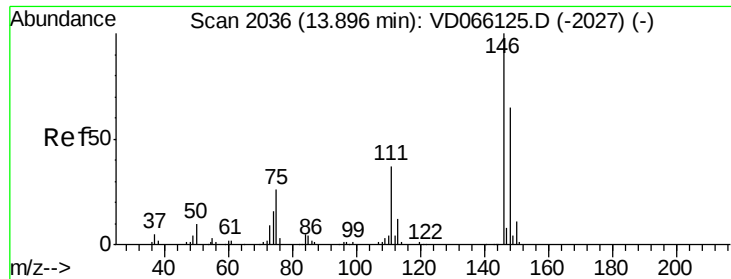
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#90
Hexachloroethane
Concen: 19.697 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60235		
201	87.7		42.7	128.1





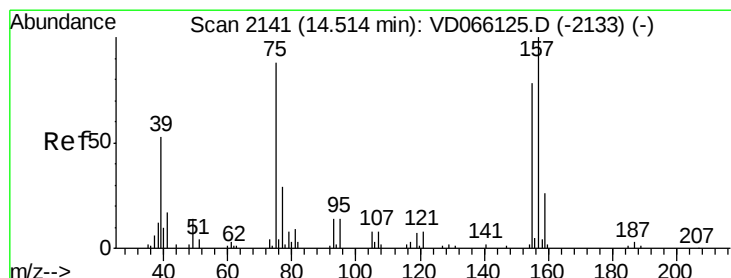
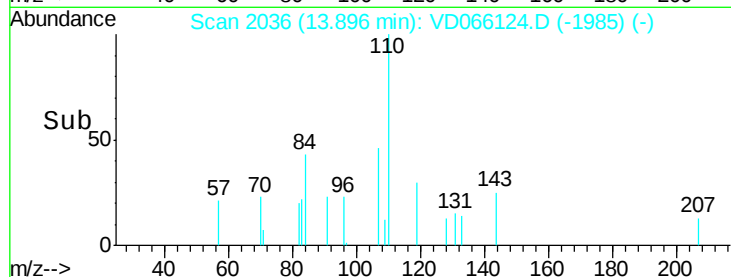
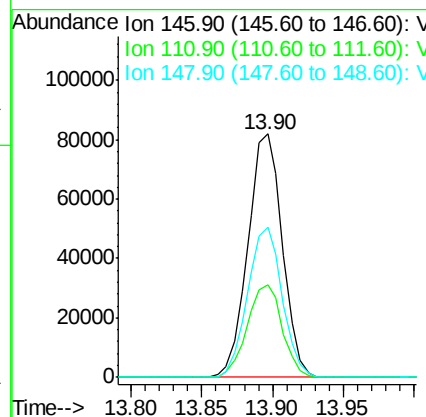
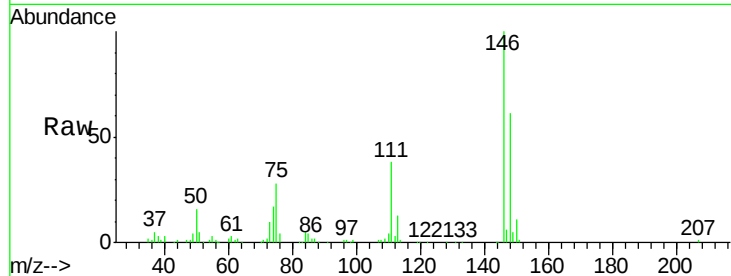
#91
 1,2-Dichlorobenzene
 Concen: 19.693 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.3
148	61.9	31.9	95.5

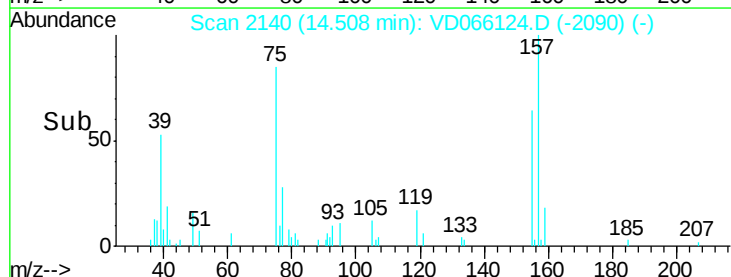
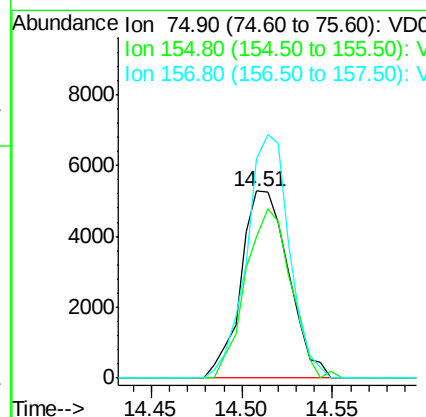
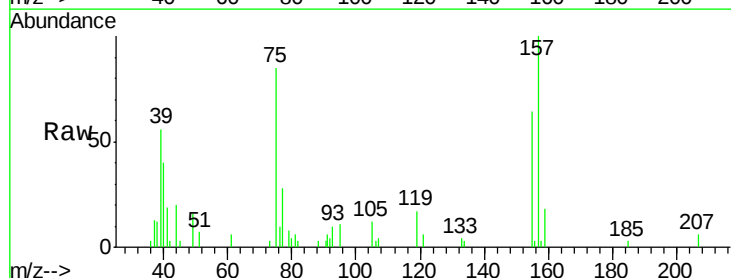
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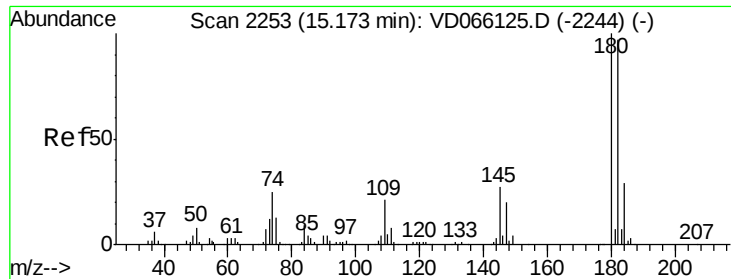
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.882 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	47.7	143.1
157	117.3	62.1	186.2





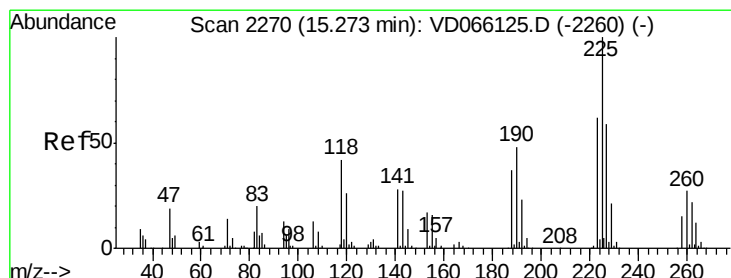
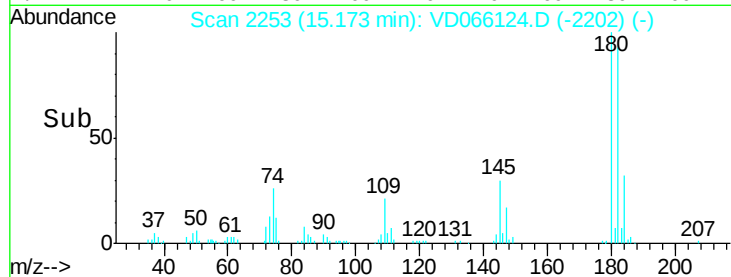
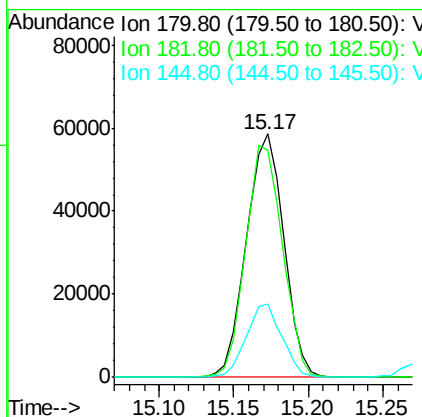
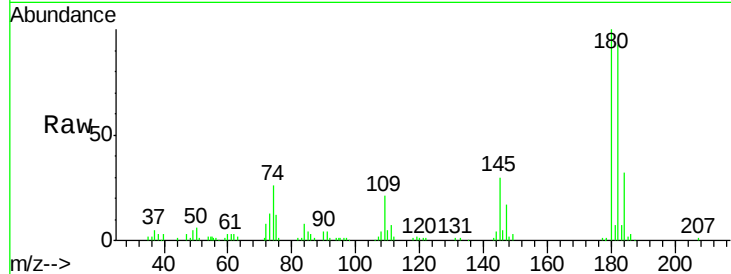
#93
 1,2,4-Trichlorobenzene
 Concen: 19.838 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101525		
182	94.5	47.4	142.2	
145	28.5	14.5	43.6	

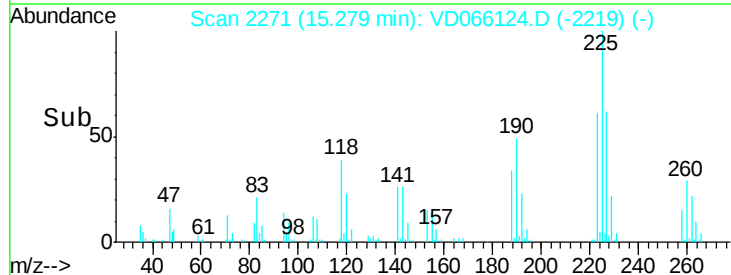
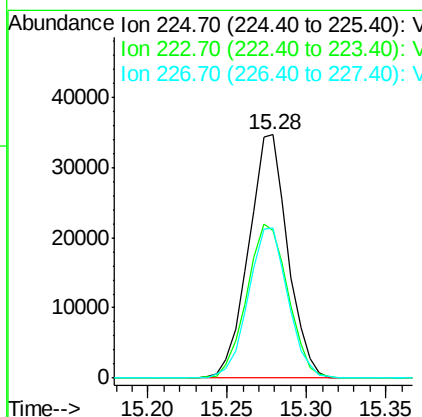
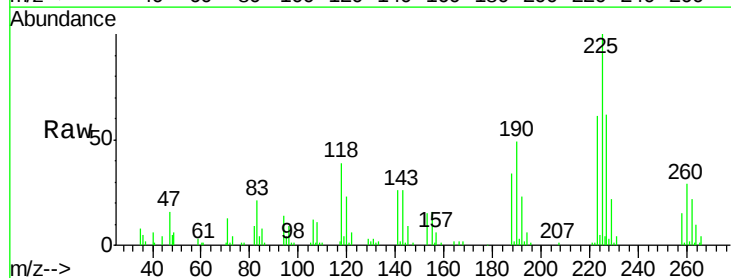
Manual Integrations
 APPROVED

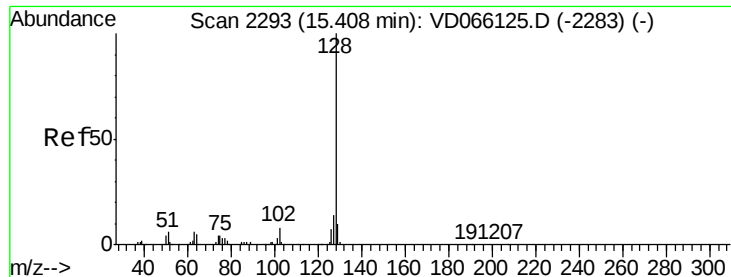
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.603 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066124.D
 Acq: 05 Aug 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59573		
223	66.6	32.3	96.9	
227	62.5	32.1	96.5	





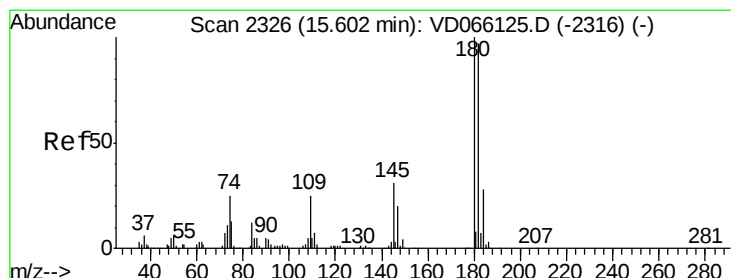
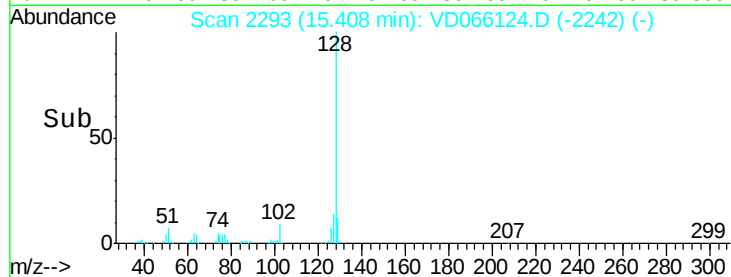
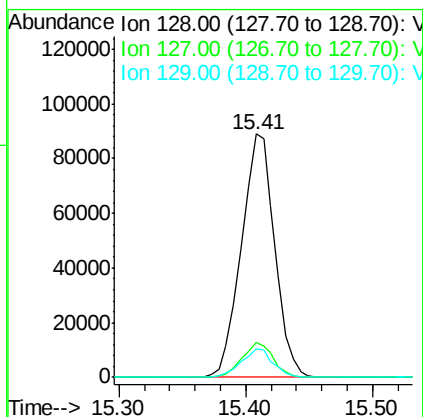
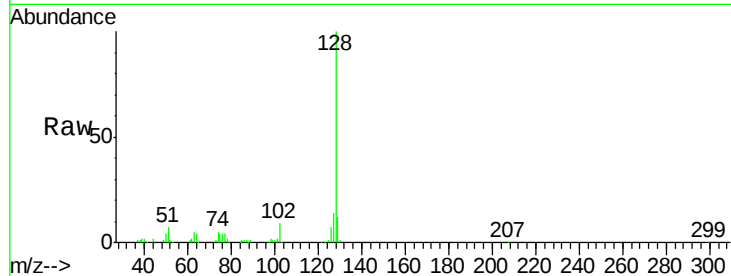
#95
Naphthalene
Concen: 20.148 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	162668
Ion Ratio	Lower	Upper	
128	100		
127	13.3	11.0	16.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.887 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066124.D
Acq: 05 Aug 2020 11:30

Tgt Ion:	180	Resp:	90128
Ion Ratio	Lower	Upper	
180	100		
182	91.5	47.1	141.4
145	29.5	14.9	44.9

