

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064824.D
 Acq On : 09 Jan 2020 18:53
 Operator : VA/SY
 Sample : L1051-11MSD
 Misc : 6.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:42:19 AM

Quant Time: Jan 10 06:02:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	850209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1263234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1093298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	515837	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	316499	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	
35) Dibromofluoromethane	7.92	113	176839	22.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.64%	
50) Toluene-d8	10.34	98	1572788	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.64	95	450723	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	121439	18.379	ug/l	97
3) Chloromethane	2.21	50	192442	20.825	ug/l	98
4) Vinyl Chloride	2.35	62	229850	20.400	ug/l	98
5) Bromomethane	2.77	94	150938	18.424	ug/l	94
6) Chloroethane	2.93	64	159558	21.135	ug/l	95
7) Trichlorofluoromethane	3.27	101	383131	20.195	ug/l	97
8) Diethyl Ether	3.71	74	65871	17.485	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	161712	20.583	ug/l	98
10) Methyl Iodide	4.30	142	176654	20.932	ug/l	99
11) Tert butyl alcohol	5.24	59	28973	67.433	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	167585	22.404	ug/l	98
13) Acrolein	3.93	56	5742	9.589	ug/l	91
14) Allyl chloride	4.71	41	245053	21.012	ug/l	99
15) Acrylonitrile	5.43	53	117022	74.575	ug/l	99
16) Acetone	4.16	43	137144	83.145	ug/l	98
17) Carbon Disulfide	4.40	76	453083	18.733	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	289933	17.451	ug/l	96
20) Methylene Chloride	4.97	84	179625	20.548	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	177056	20.785	ug/l	92
22) Diisopropyl ether	6.37	45	455576	19.585	ug/l	99
23) Vinyl Acetate	6.37	43	243930	18.486	ug/l #	74
24) 1,1-Dichloroethane	6.26	63	312757	22.396	ug/l	98
25) 2-Butanone	7.22	43	157090	76.229	ug/l	96
26) 2,2-Dichloropropane	7.20	77	274832	21.168	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	194867	21.196	ug/l	100
28) Bromochloromethane	7.55	49	105908	19.510	ug/l	97
29) Tetrahydrofuran	7.57	42	92249	71.983	ug/l	98
30) Chloroform	7.71	83	322346	22.001	ug/l	99
31) Cyclohexane	7.98	56	277940	19.883	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	306879	22.300	ug/l	98
36) 1,1-Dichloropropene	8.11	75	250174	20.576	ug/l	99
37) Ethyl Acetate	7.22	43	157090	32.888	ug/l #	1
38) Carbon Tetrachloride	8.10	117	276576	21.333	ug/l	100
39) Methylcyclohexane	9.36	83	280359	19.038	ug/l	97

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MMDadoda
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Quant Time: Jan 10 06:02:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.35	78	703476	21.194	ug/l	98
41) Methacrylonitrile	7.53	41	33816	12.202	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	179376	18.701	ug/l	98
43) Isopropyl Acetate	8.46	43	51932	5.462	ug/l #	62
44) Trichloroethene	9.11	130	374210	38.378	ug/l	99
45) 1,2-Dichloropropane	9.39	63	164991	20.819	ug/l	99
46) Dibromomethane	9.48	93	73564	16.649	ug/l	97
47) Bromodichloromethane	9.67	83	229936	19.557	ug/l	99
48) Methyl methacrylate	9.45	41	8171m	1.825	ug/l	
49) 1,4-Dioxane	9.47	88	14978	293.989	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	337396	71.798	ug/l	100
52) Toluene	10.41	92	456512	20.964	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	196431	17.920	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	250452	19.377	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	93239	15.658	ug/l	95
56) Ethyl methacrylate	10.67	69	33206	4.465	ug/l #	73
57) 1,3-Dichloropropane	10.95	76	179776	17.535	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	234354	82.716	ug/l	98
59) 2-Hexanone	10.99	43	244094	76.531	ug/l	100
60) Dibromochloromethane	11.14	129	145673	17.691	ug/l	99
61) 1,2-Dibromoethane	11.25	107	96132	16.368	ug/l	97
64) Tetrachloroethene	10.88	164	307511	36.663	ug/l	99
65) Chlorobenzene	11.67	112	475009	20.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	175299	20.493	ug/l	99
67) Ethyl Benzene	11.75	91	878287	21.325	ug/l	99
68) m/p-Xylenes	11.86	106	674378	42.422	ug/l	97
69) o-Xylene	12.18	106	303107	21.109	ug/l	100
70) Stvrene	12.20	104	525073	20.833	ug/l	99
71) Bromoform	12.37	173	78702	16.133	ug/l #	98
73) Isopropylbenzene	12.48	105	820952	22.270	ug/l	99
74) N-amyl acetate	12.30	43	8564	1.087	ug/l #	89
76) 1,2,3-Trichloropropane	12.79	75	59240m	14.543	ug/l	
77) Bromobenzene	12.77	156	184197	20.336	ug/l	98
78) n-propylbenzene	12.83	91	946259	22.003	ug/l	100
79) 2-Chlorotoluene	12.91	91	519512	21.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	663673	21.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	30016	15.412	ug/l	95
82) 4-Chlorotoluene	13.01	91	548405	21.813	ug/l	100
83) tert-Butylbenzene	13.23	119	581142	22.104	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	663029	21.985	ug/l	98
85) sec-Butylbenzene	13.41	105	791332	21.954	ug/l	99
86) p-Isopropyltoluene	13.52	119	746037	21.646	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	365084	21.143	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	356027	20.989	ug/l	98
89) n-Butylbenzene	13.85	91	670748	21.611	ug/l	99
90) Hexachloroethane	14.12	117	143388	21.780	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	292489	19.865	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13748	14.645	ug/l	94
93) 1,2,4-Trichlorobenzene	15.17	180	202871	18.713	ug/l	99
94) Hexachlorobutadiene	15.28	225	128066	18.772	ug/l	98

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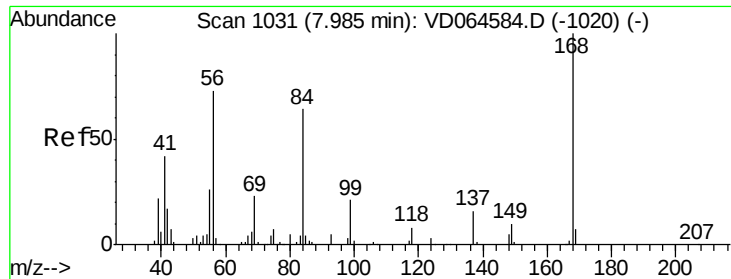
Manual Integrations
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1/10/2020 10:42:19 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	281810	16.431	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	168443	18.200	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:168 Resp: 850209

Ion Ratio Lower Upper

168 100

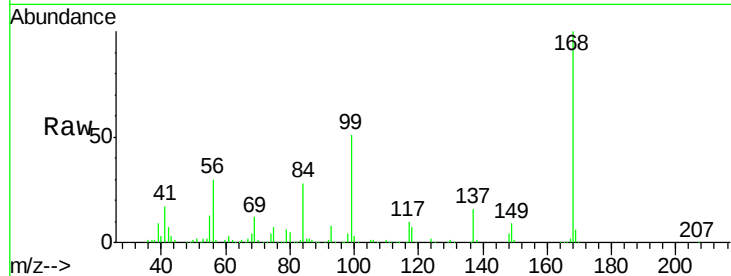
99 50.7 41.8 62.6

Manual Integrations

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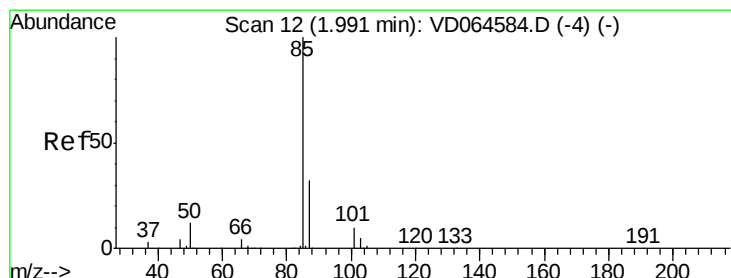
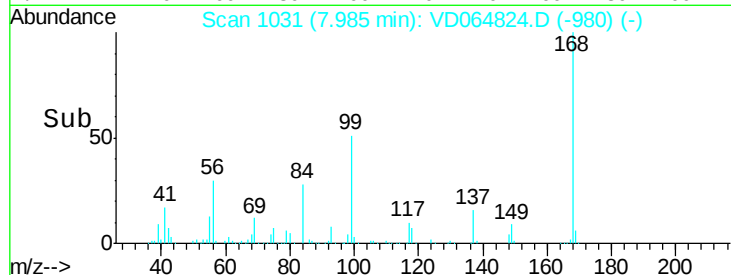
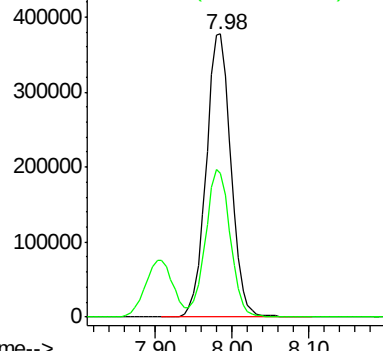
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1/10/2020 10:42:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.379 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064824.D

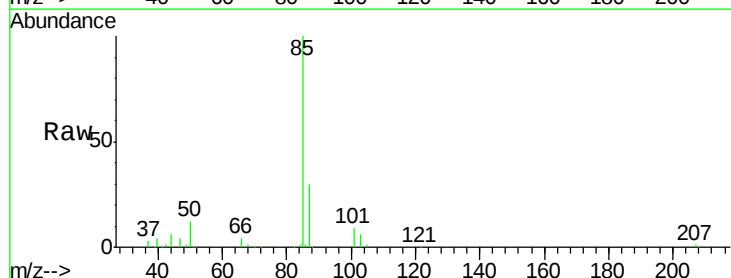
Acq: 09 Jan 2020 18:53

Tgt Ion: 85 Resp: 121439

Ion Ratio Lower Upper

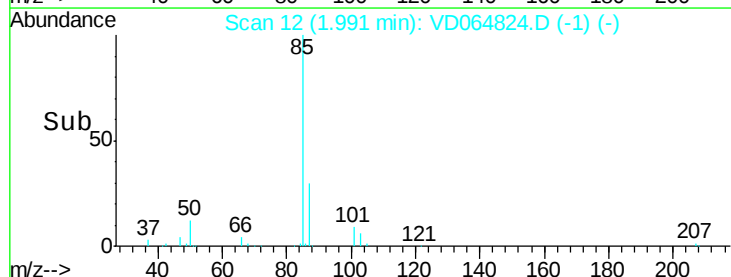
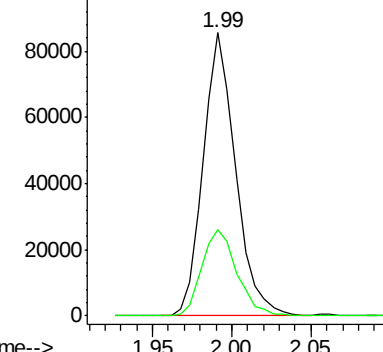
85 100

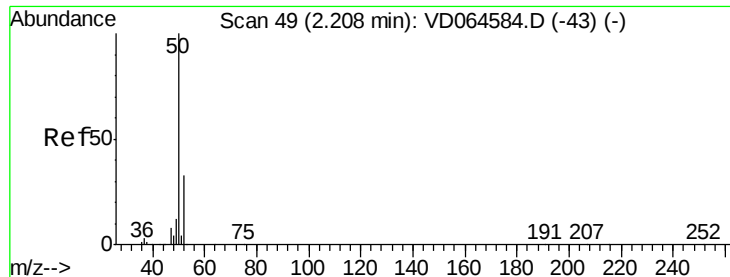
87 30.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.825 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 50 Resp: 192442

Ion Ratio Lower Upper

50 100

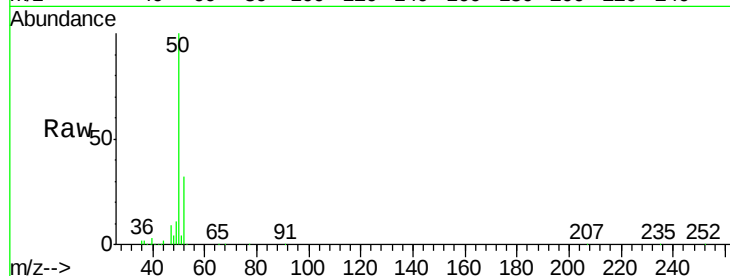
52 31.7 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

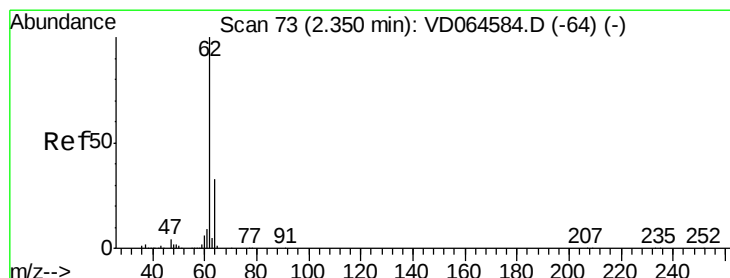
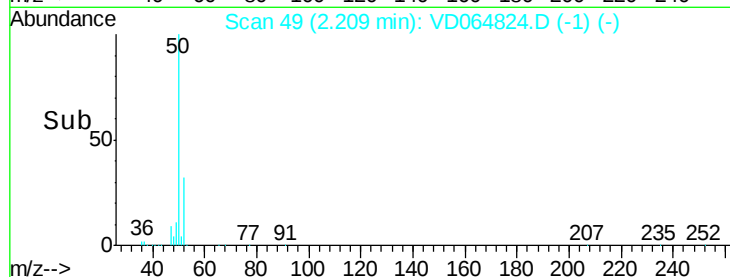
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.400 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064824.D

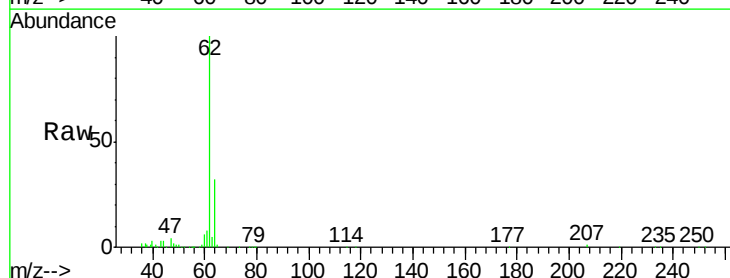
Acq: 09 Jan 2020 18:53

Tgt Ion: 62 Resp: 229850

Ion Ratio Lower Upper

62 100

64 32.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

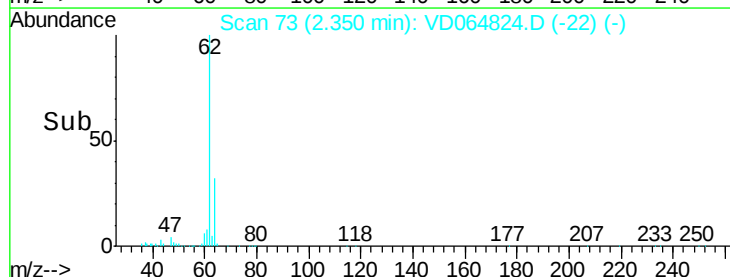
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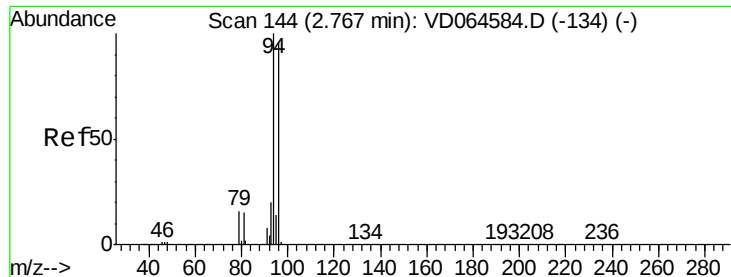
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.424 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 94 Resp: 150938

Ion Ratio Lower Upper

94 100

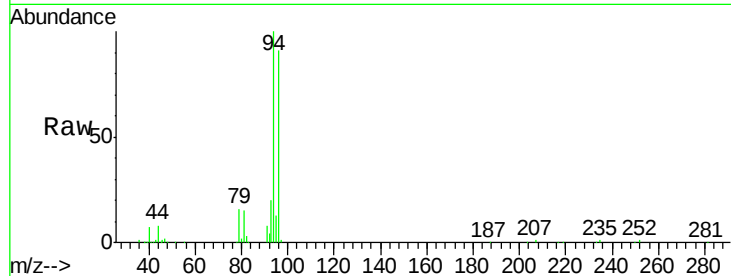
96 90.7 77.2 115.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

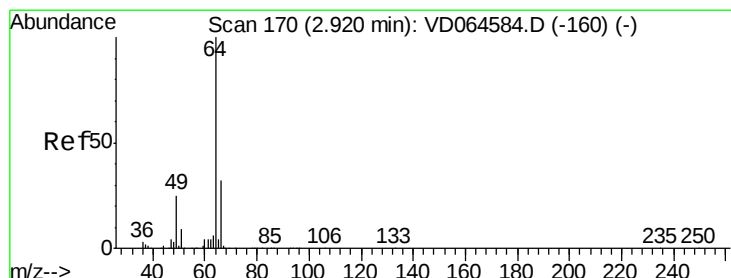
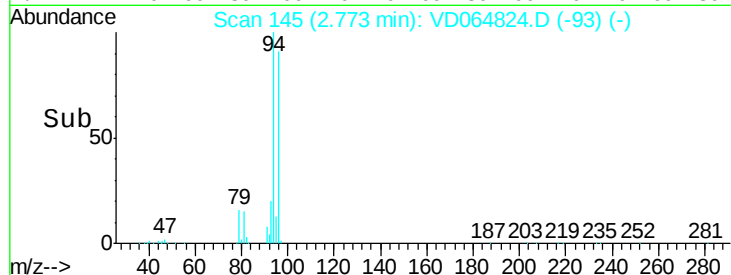
40000

20000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 21.135 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064824.D

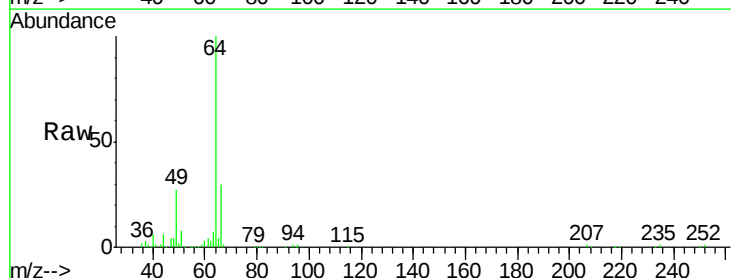
Acq: 09 Jan 2020 18:53

Tgt Ion: 64 Resp: 159558

Ion Ratio Lower Upper

64 100

66 29.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

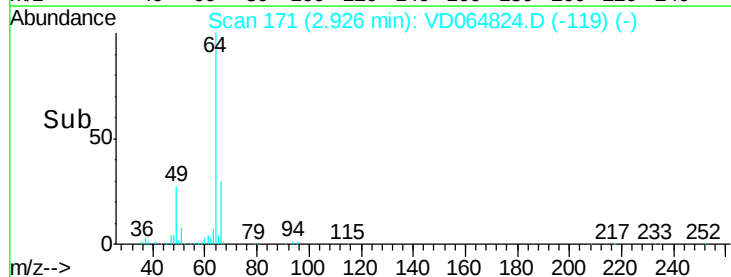
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20000

0

2.80 2.90 3.00

Time-->





#7

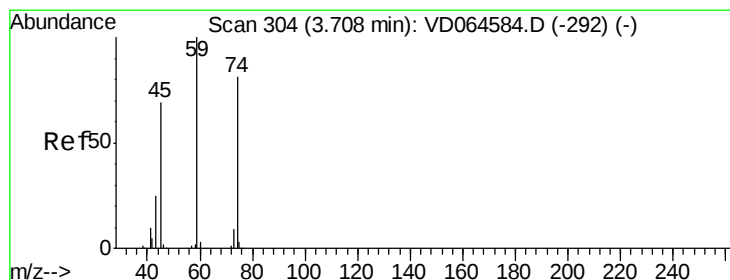
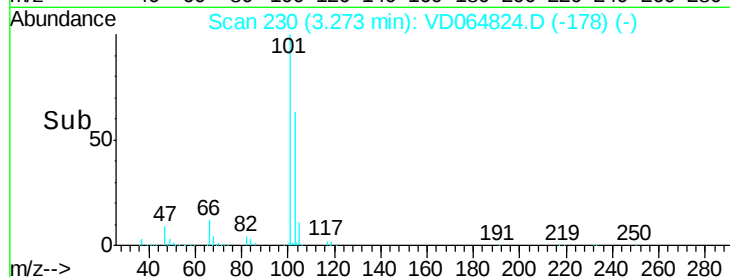
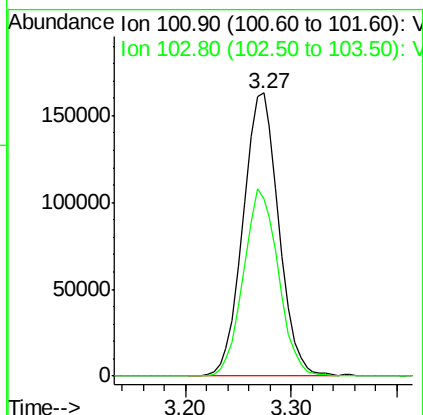
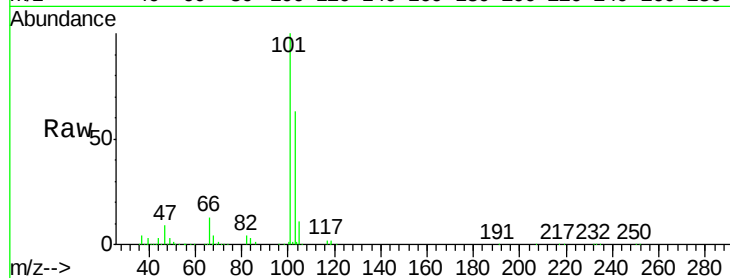
Trichlorofluoromethane
Concen: 20.195 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
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ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.2	78.4

Manual Integrations
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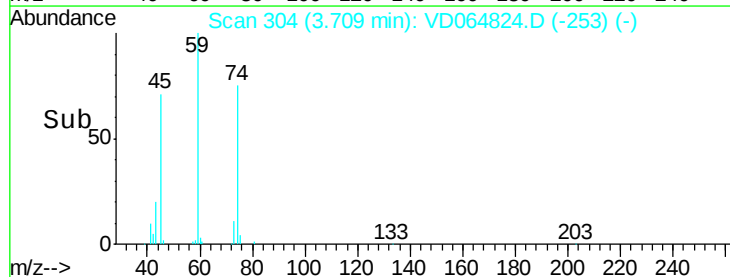
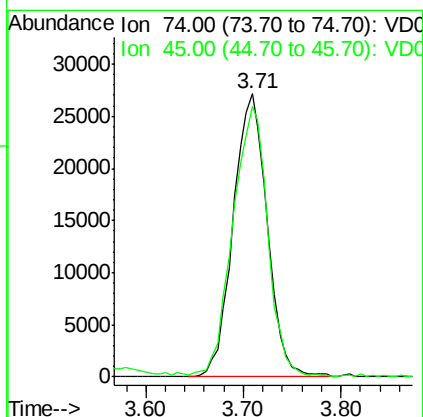
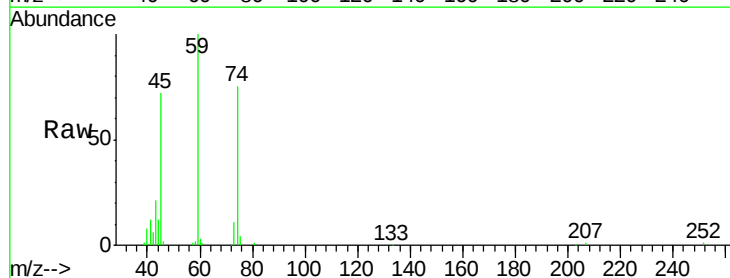
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1/10/2020 10:42:19 AM



#8

Diethyl Ether
Concen: 17.485 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.583 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

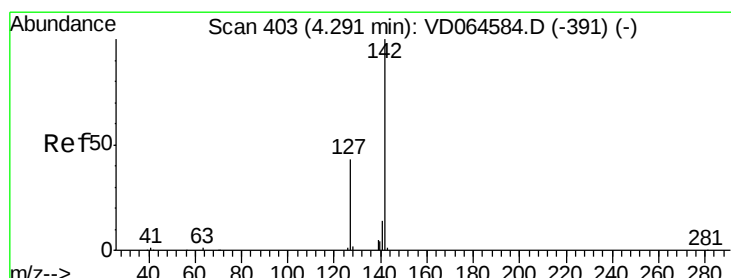
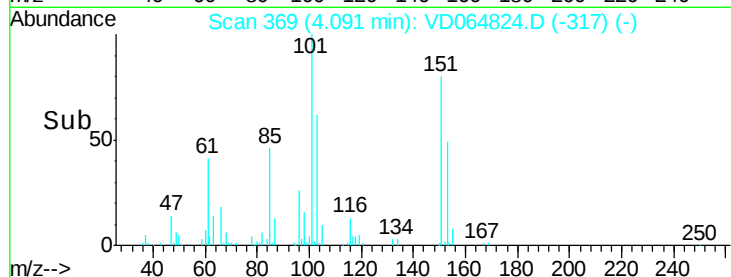
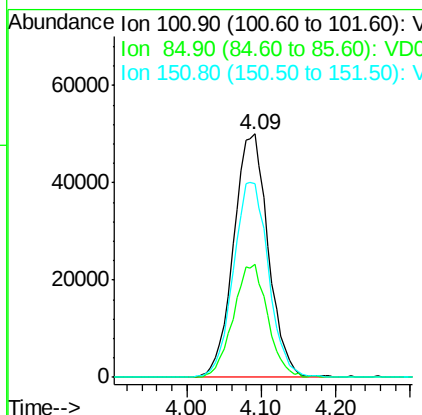
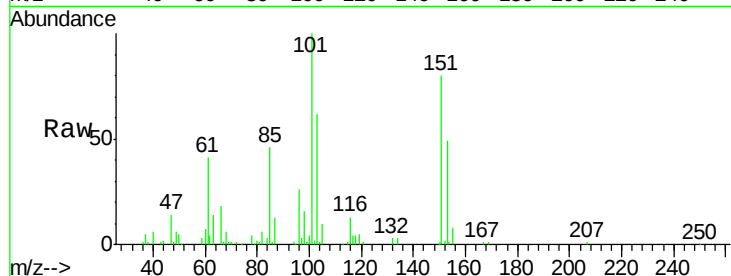
ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:	101	Resp:	161712
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.2	52.8
151	81.0	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.932 ug/l

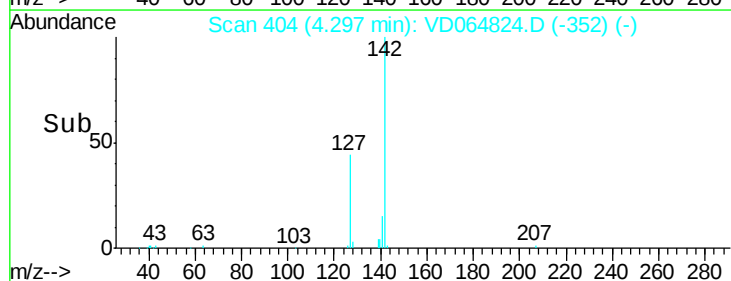
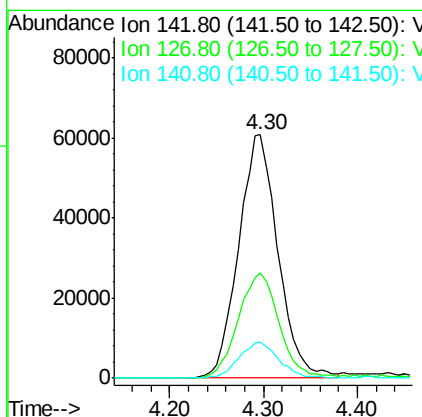
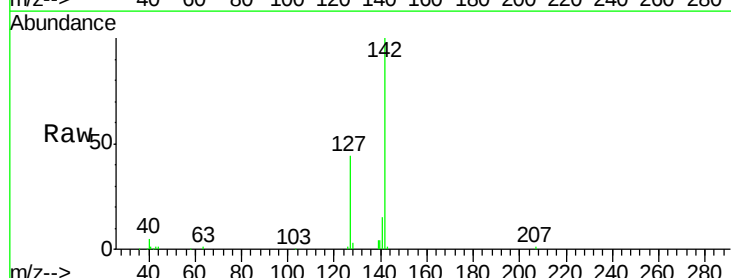
RT: 4.30 min Scan# 404

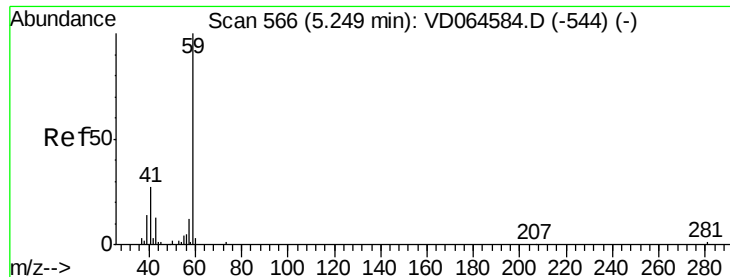
Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	142	Resp:	176654
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.2	54.4
141	14.9	11.8	17.8





#11

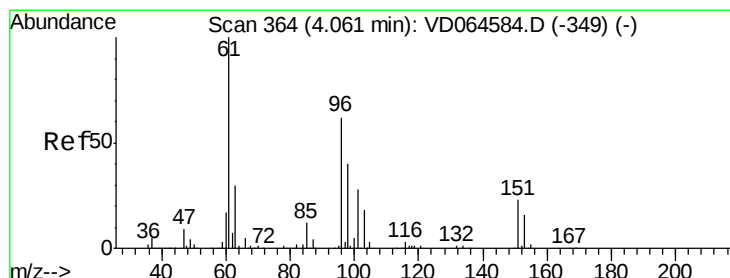
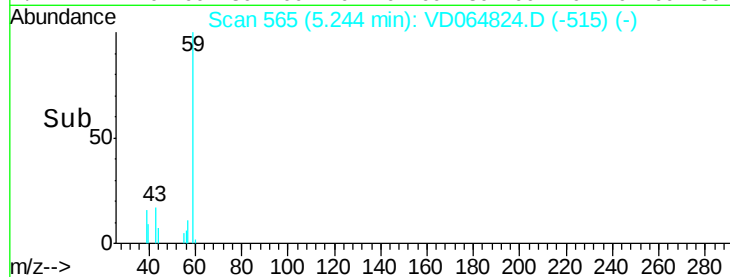
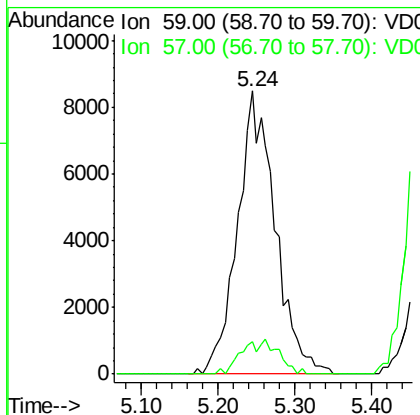
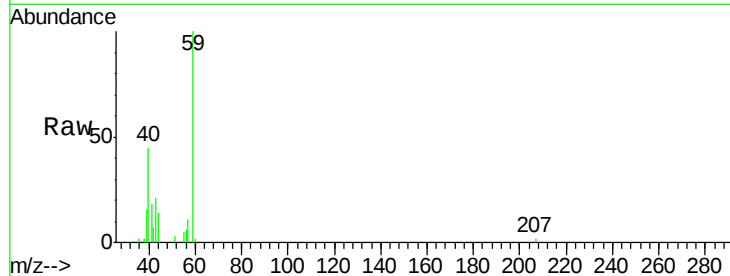
Tert butyl alcohol
Concen: 67.433 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

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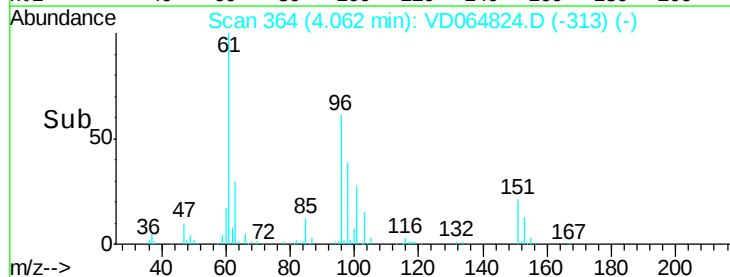
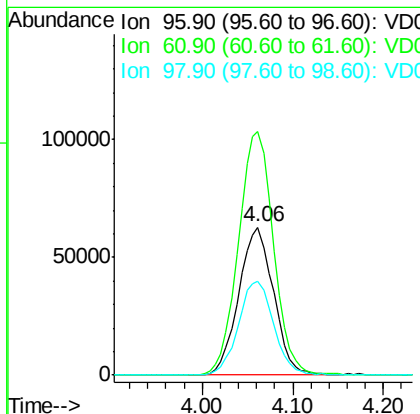
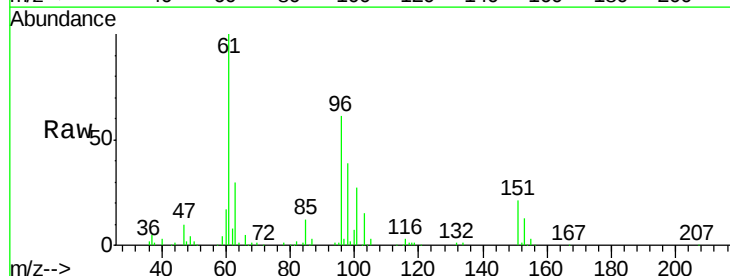
MMDadoda
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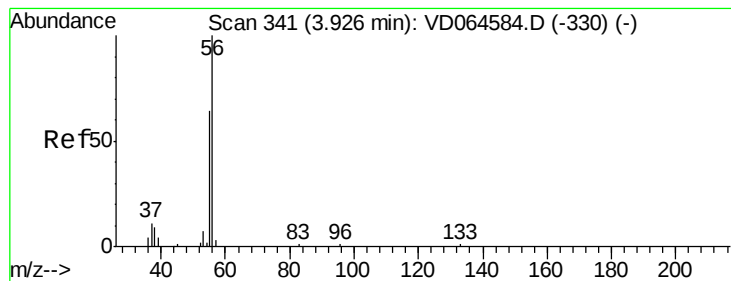


#12

1,1-Dichloroethene
Concen: 22.404 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	129.4	194.0
98	63.6	51.4	77.0





#13

Acrolein

Concen: 9.589 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 56 Resp: 5742

Ion Ratio Lower Upper

56 100

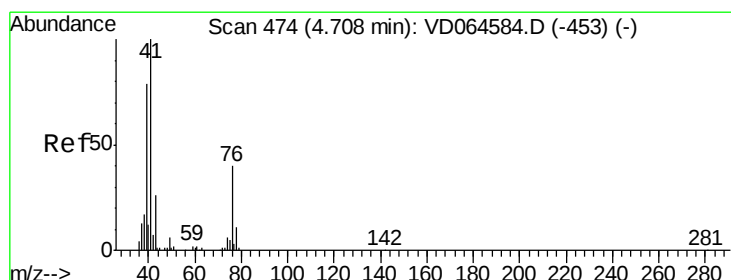
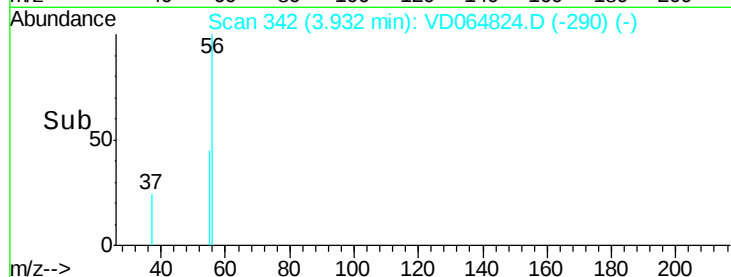
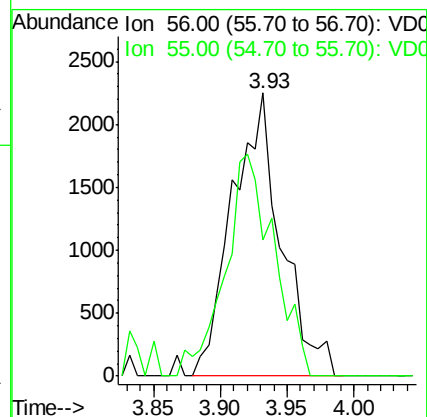
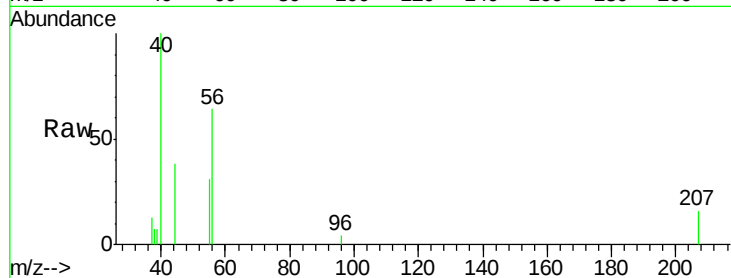
55 78.3 56.7 85.1

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#14

Allyl chloride

Concen: 21.012 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

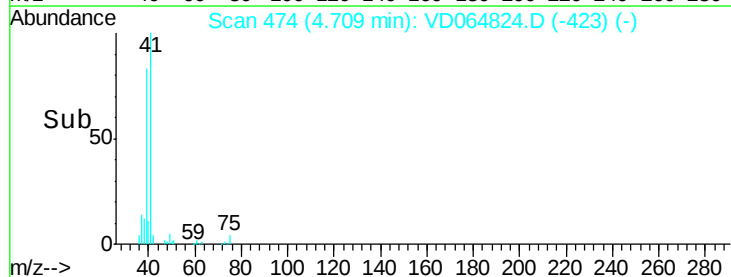
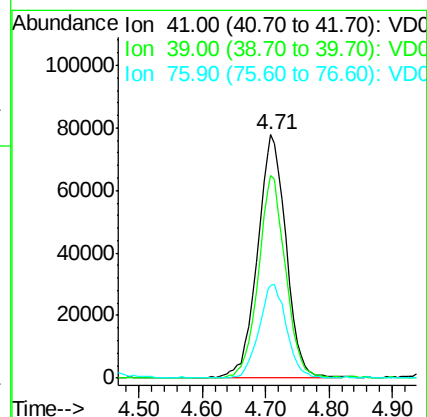
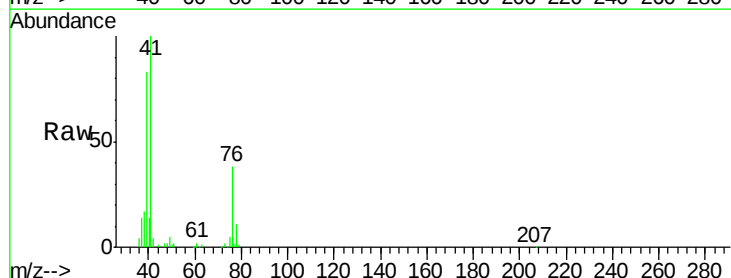
Tgt Ion: 41 Resp: 245053

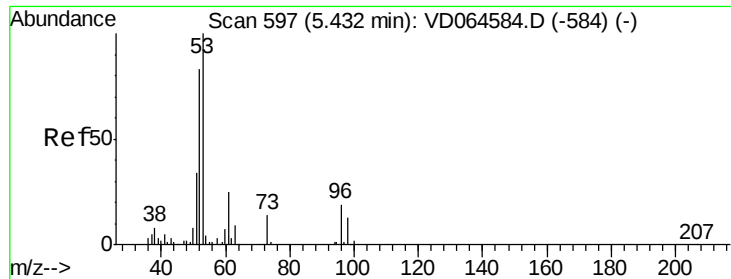
Ion Ratio Lower Upper

41 100

39 79.3 62.3 93.5

76 37.4 29.7 44.5





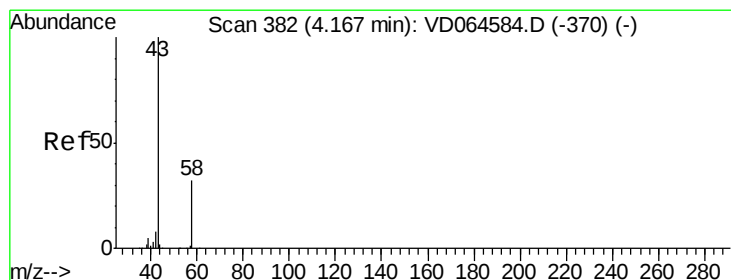
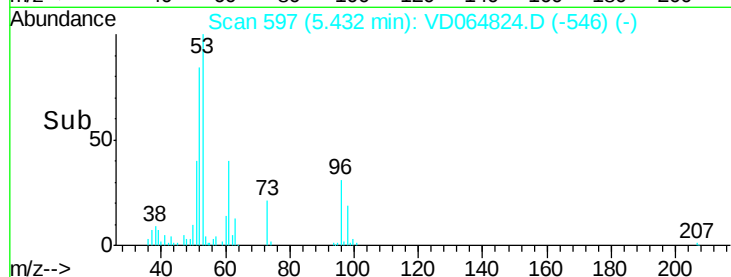
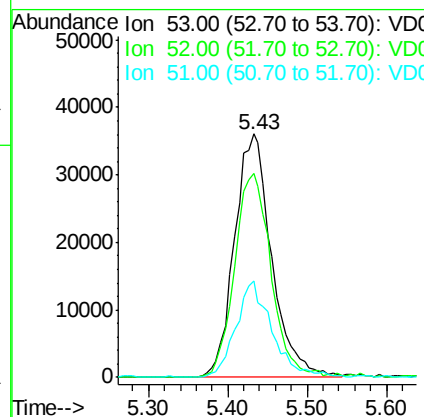
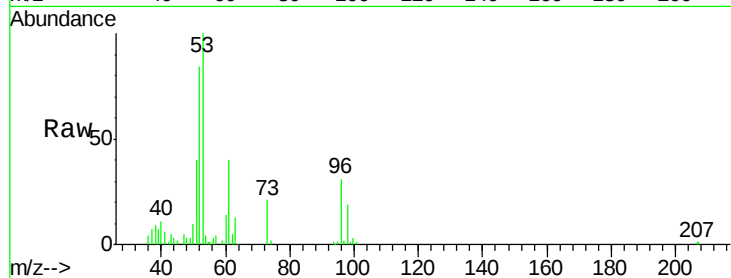
#15
 Acrylonitrile
 Concen: 74.575 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	38.4	30.1	45.1

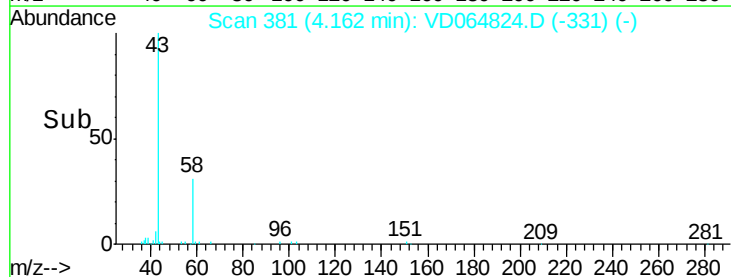
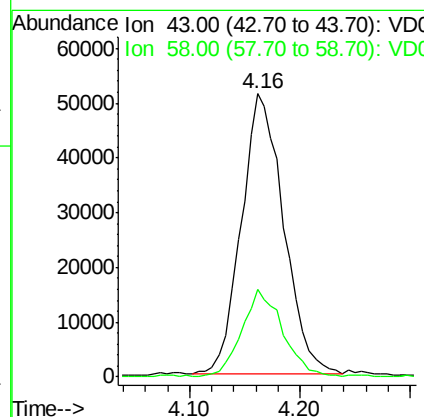
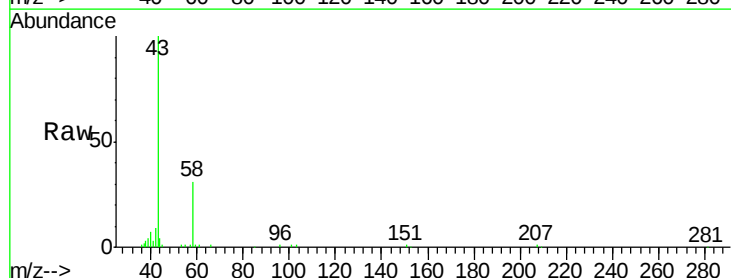
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#16
 Acetone
 Concen: 83.145 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.8	38.6





#17

Carbon Disulfide

Concen: 18.733 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 76 Resp: 453083

Ion Ratio Lower Upper

76 100

78 9.5

7.3

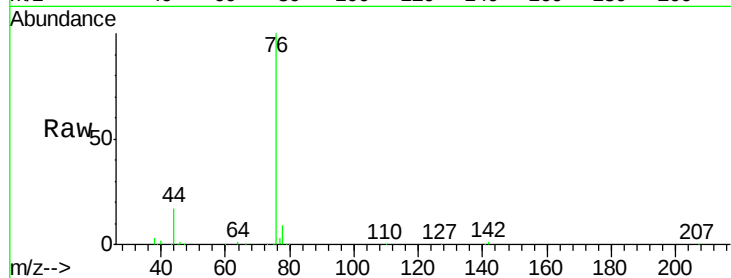
10.9

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

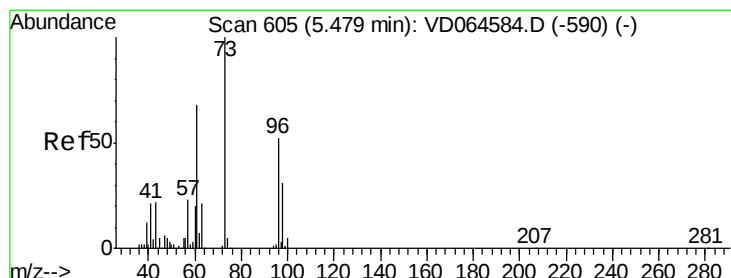
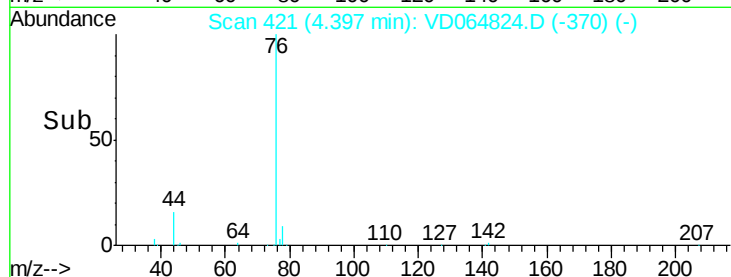
150000

100000

50000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 17.451 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion: 73 Resp: 289933

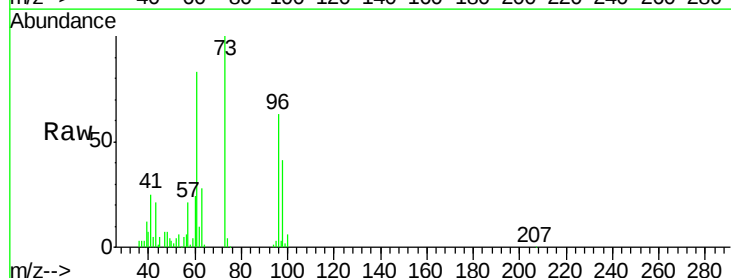
Ion Ratio Lower Upper

73 100

57 21.5

18.6

27.8



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.48

80000

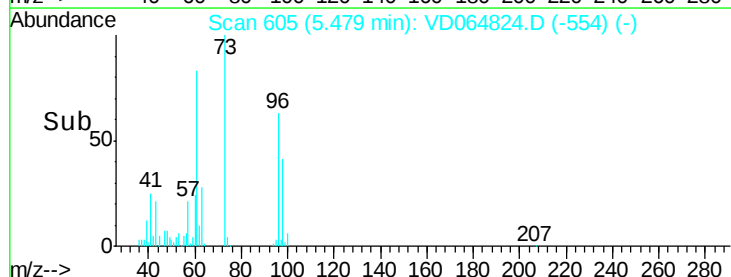
60000

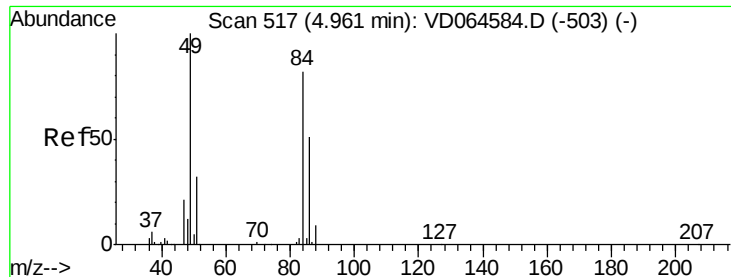
40000

20000

0

Time-->





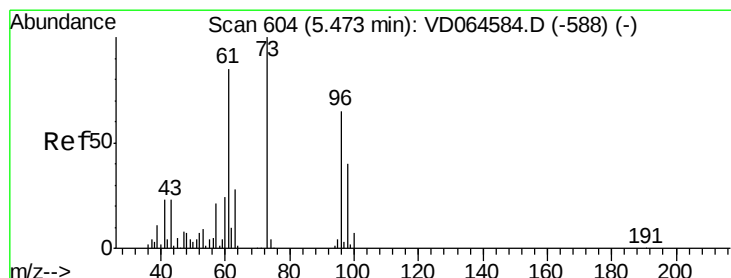
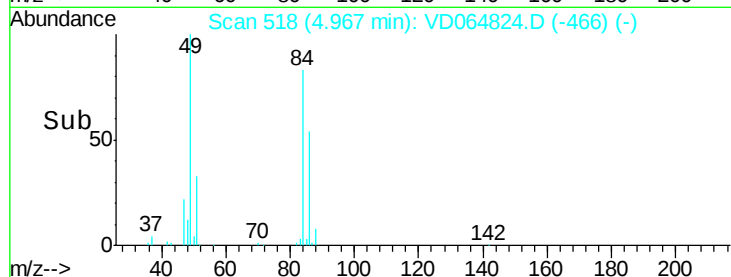
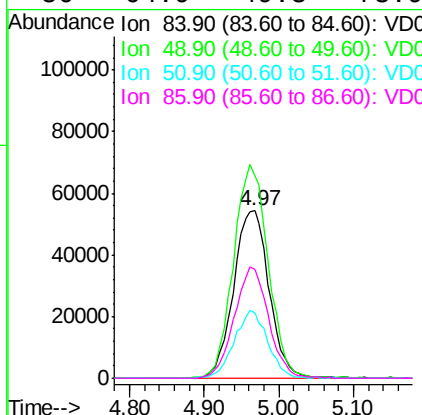
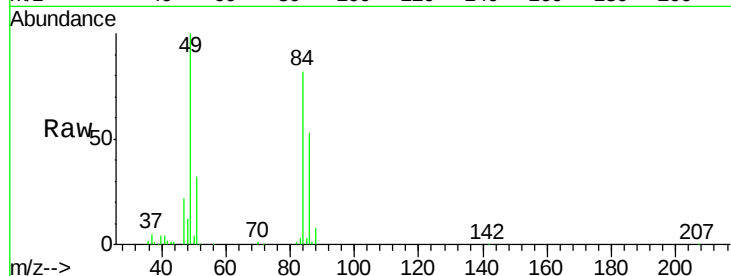
#20
Methylene Chloride
Concen: 20.548 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion:	84	Resp:	179625
Ion	Ratio	Lower	Upper
84	100		
49	121.4	97.2	145.8
51	39.3	31.4	47.0
86	64.9	49.3	73.9

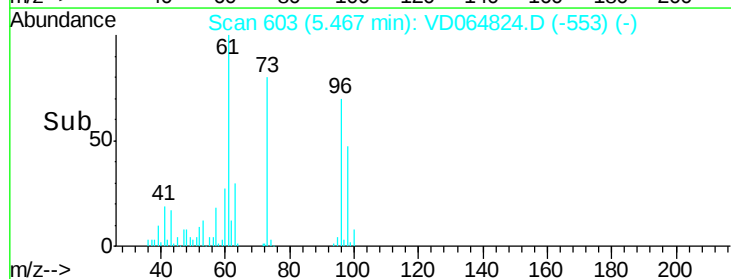
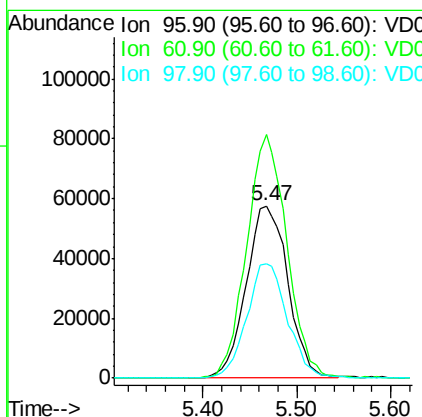
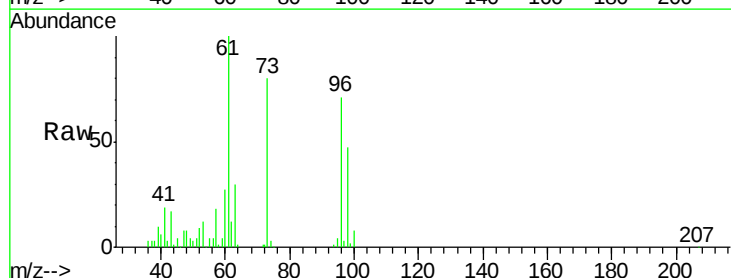
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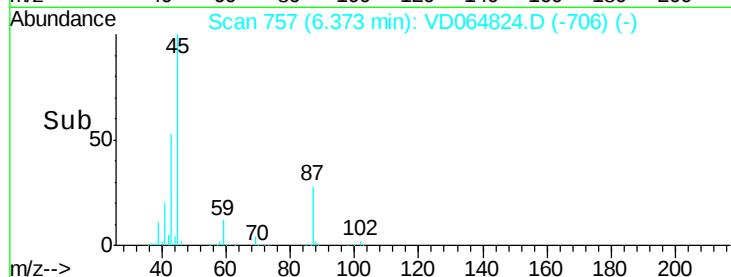
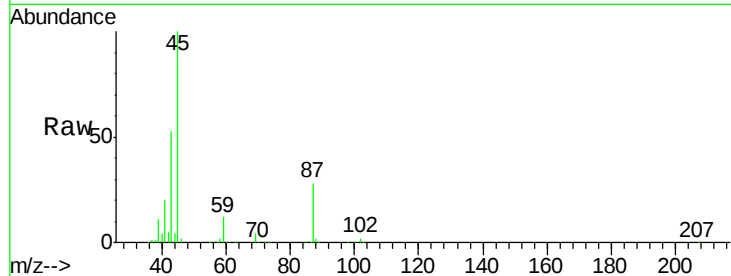
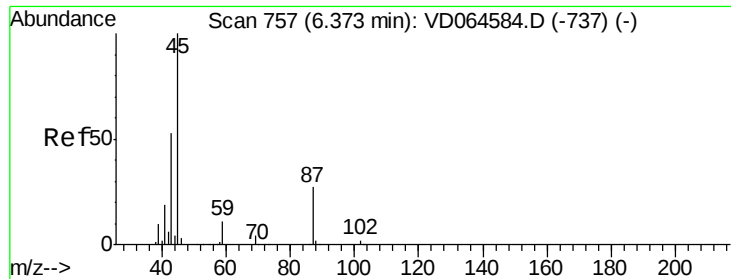
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1/10/2020 10:42:19 AM



#21
trans-1,2-Dichloroethene
Concen: 20.785 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion:	96	Resp:	177056
Ion	Ratio	Lower	Upper
96	100		
61	141.6	104.7	157.1
98	66.3	49.4	74.2





#22

Diisopropyl ether

Concen: 19.585 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tot Ion	45	Resp	455576
Ion Ratio	Lower	Upper	
45	100		
43	52.9	43.2	64.8
87	27.7	21.9	32.9
59	11.5	9.0	13.4

Instrument :

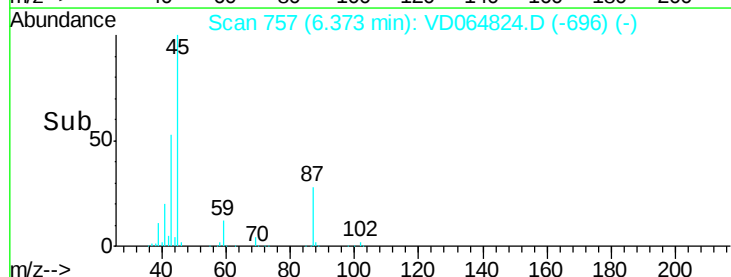
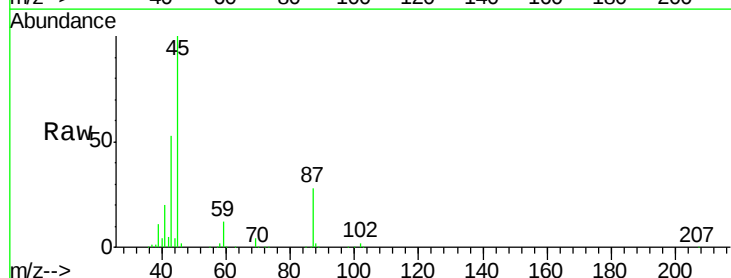
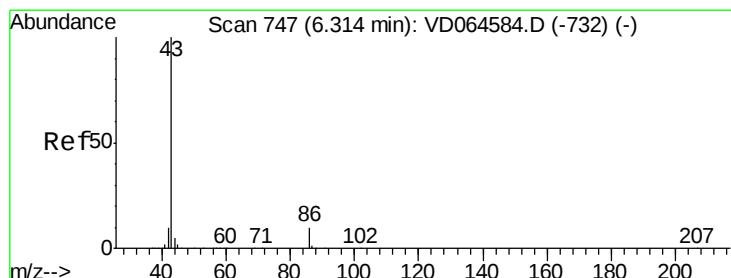
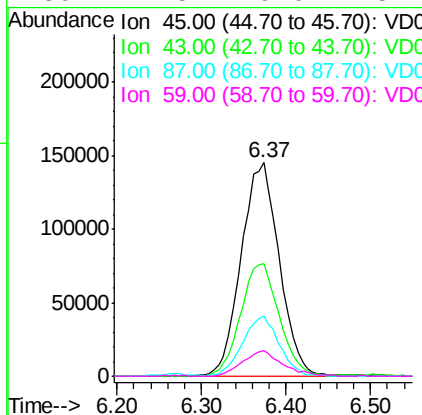
MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

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#23

Vinyl Acetate

Concen: 18.486 ug/l

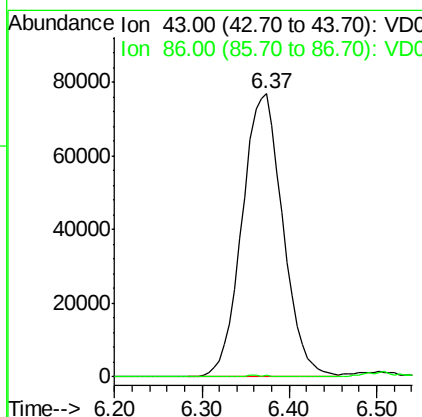
RT: 6.37 min Scan# 757

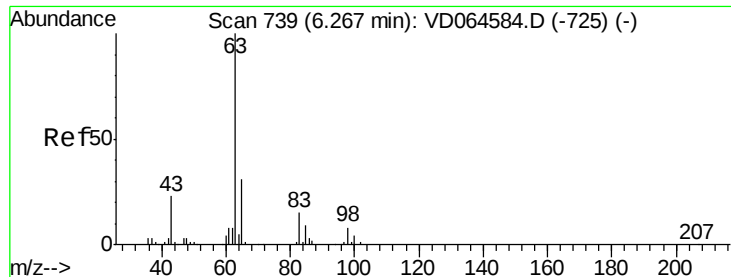
Delta R.T. 0.06 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion	43	Resp	243930
Ion Ratio	Lower	Upper	
43	100		
86	0.6	8.3	12.5#





#24

1,1-Dichloroethane

Concen: 22.396 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

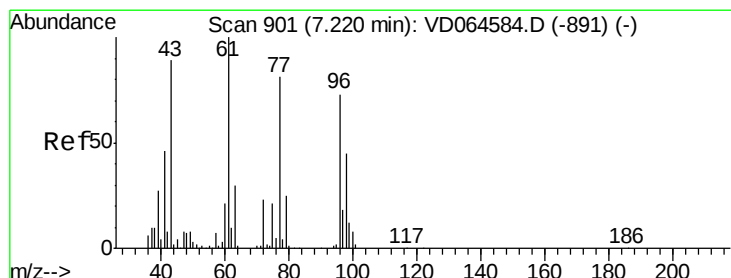
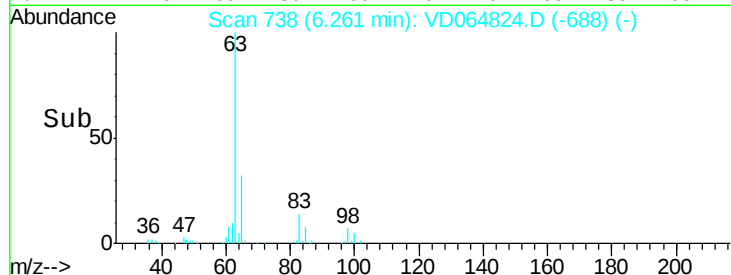
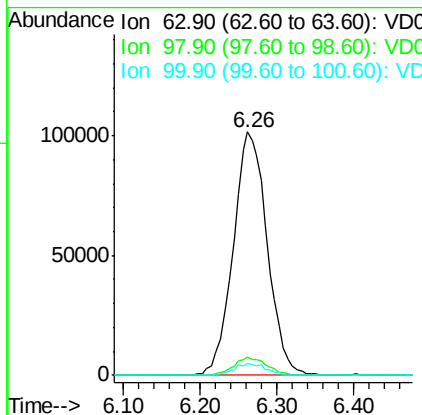
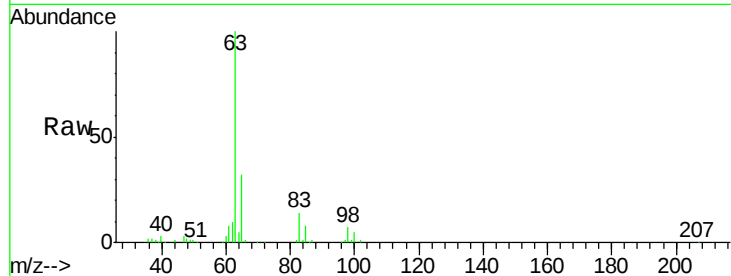
ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:	63	Resp:	312757
Ion Ratio	Lower	Upper	
63	100		
98	7.4	4.1	12.3
100	4.7	2.2	6.6

Manual Integrations
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#25

2-Butanone

Concen: 76.229 ug/l

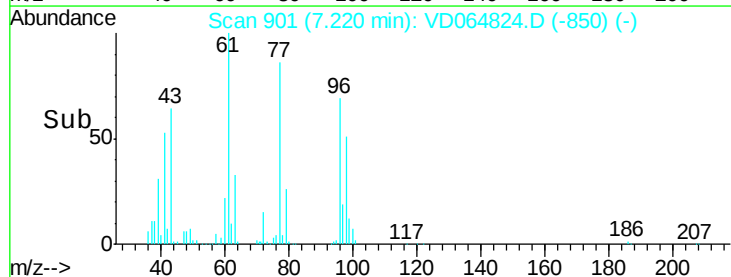
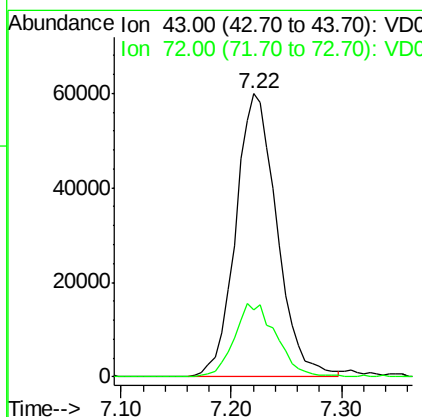
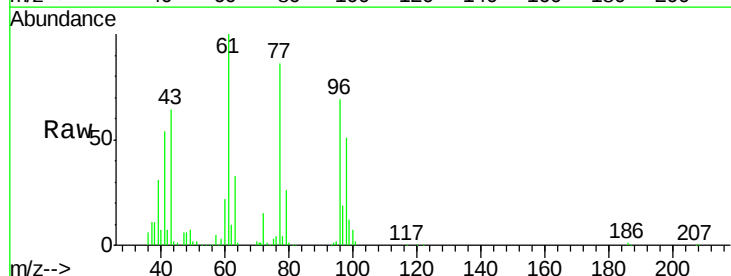
RT: 7.22 min Scan# 901

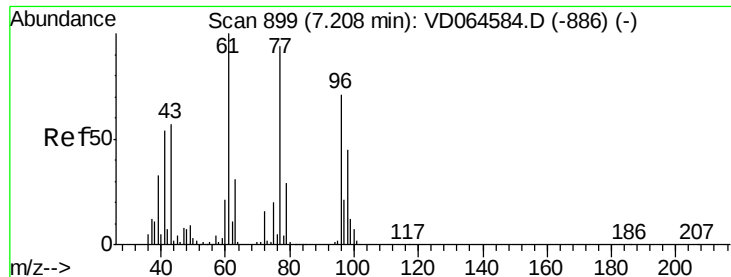
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	43	Resp:	157090
Ion Ratio	Lower	Upper	
43	100		
72	23.9	20.7	31.1





#26

2,2-Dichloropropane

Concen: 21.168 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 77 Resp: 274832

Ion Ratio Lower Upper

77 100

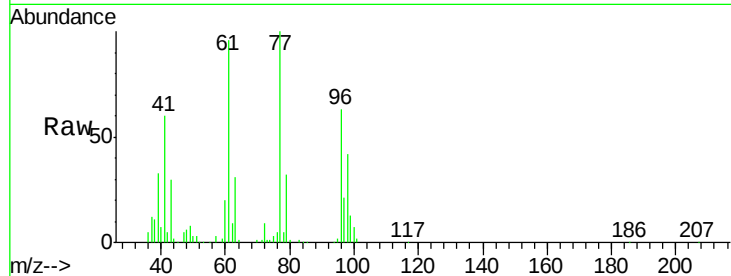
97 22.0 11.2 33.6

Manual Integrations

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Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.20

100000

80000

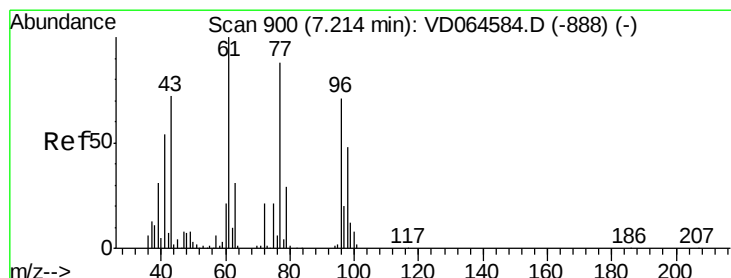
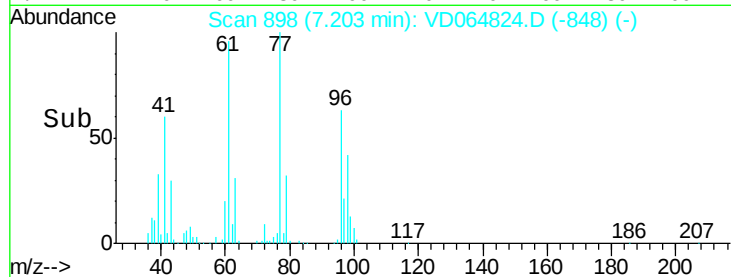
60000

40000

20000

0

Time--> 7.10 7.20 7.30



#27

cis-1,2-Dichloroethene

Concen: 21.196 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

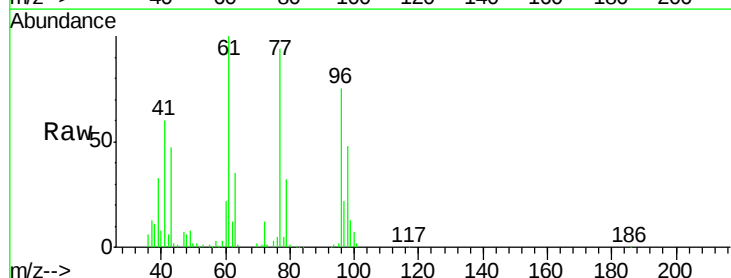
Tgt Ion: 96 Resp: 194867

Ion Ratio Lower Upper

96 100

61 141.8 0.0 282.6

98 65.3 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

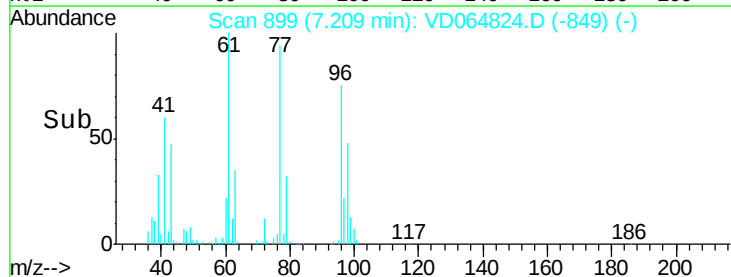
7.21

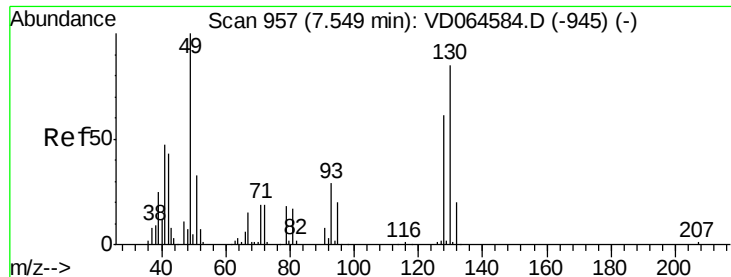
100000

50000

0

Time--> 7.10 7.20 7.30





#28

Bromochloromethane

Concen: 19.510 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

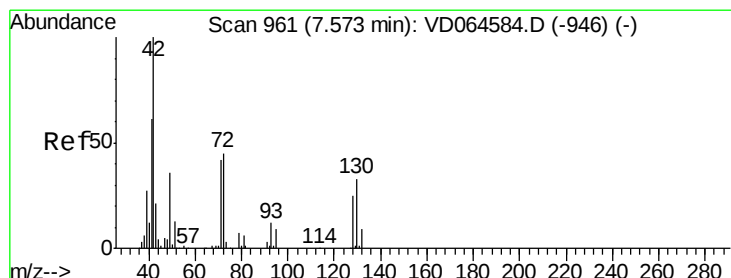
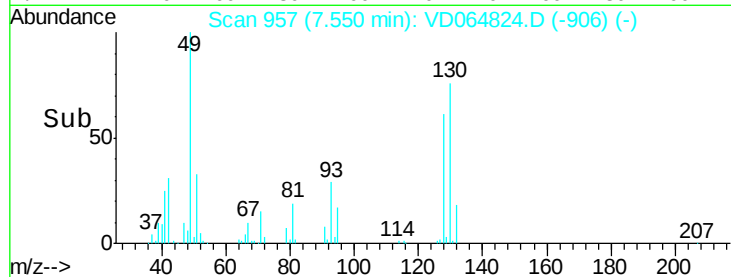
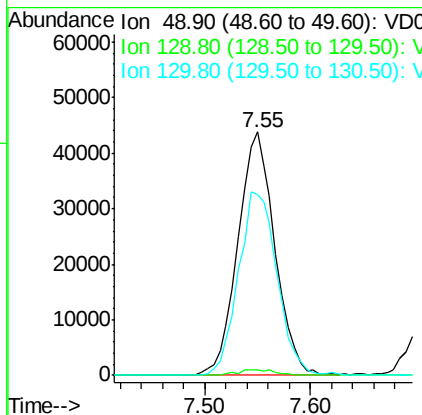
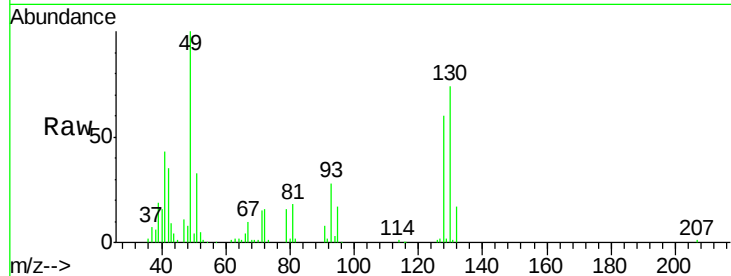
ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion	49	Resp	105908
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	78.9	65.0	97.6

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#29

Tetrahydrofuran

Concen: 71.983 ug/l

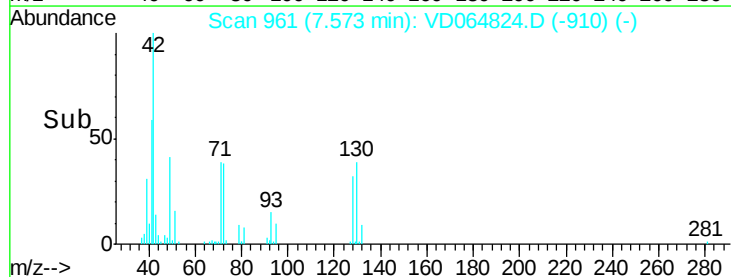
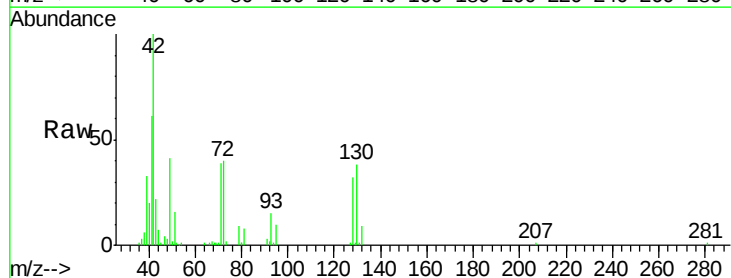
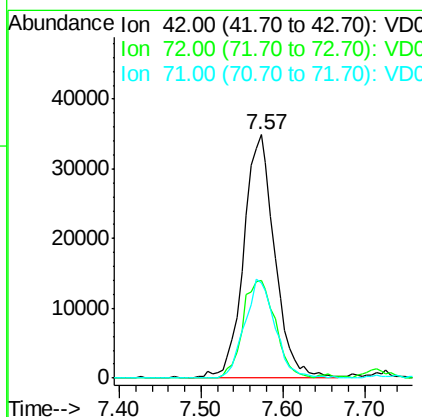
RT: 7.57 min Scan# 961

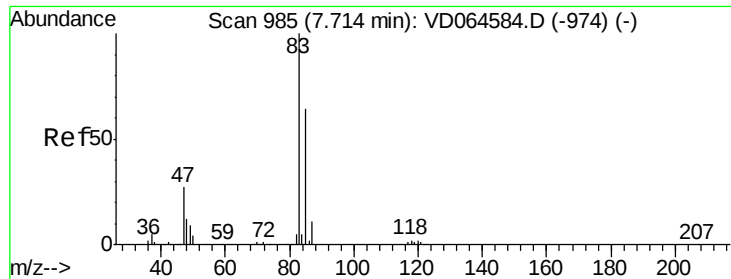
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion	42	Resp	92249
Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.0	52.4
71	39.6	32.9	49.3





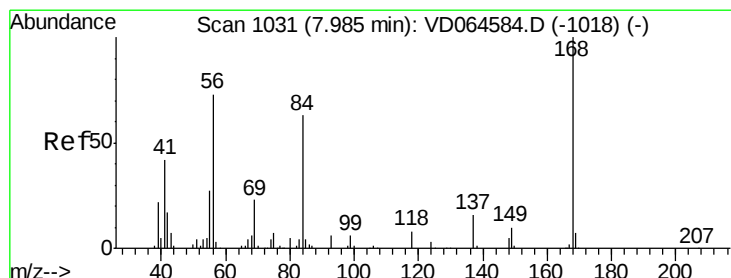
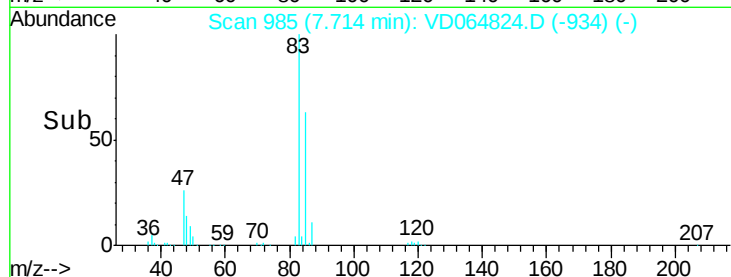
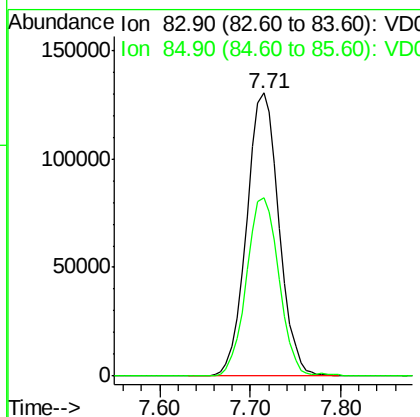
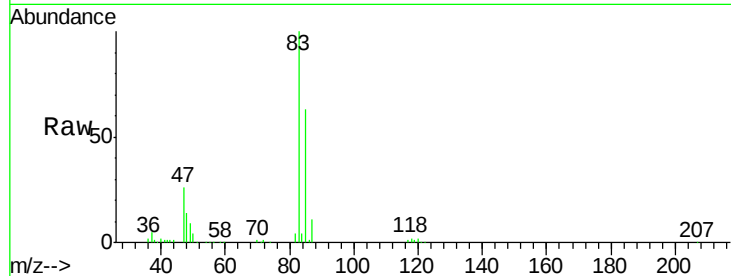
#30
Chloroform
Concen: 22.001 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	83	Resp	322346
Ion Ratio	100	Lower	Upper
85	63.2	51.1	76.7

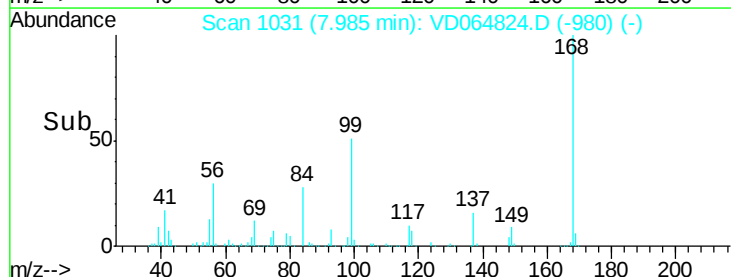
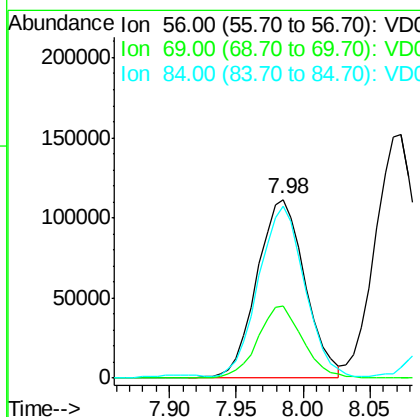
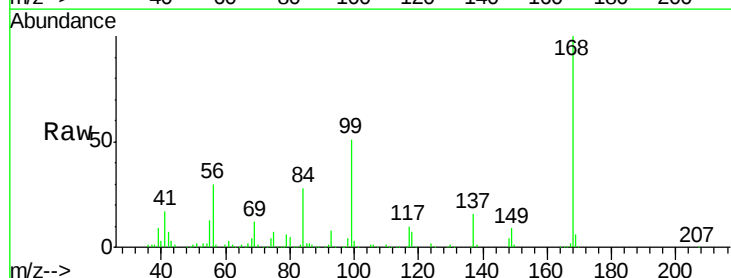
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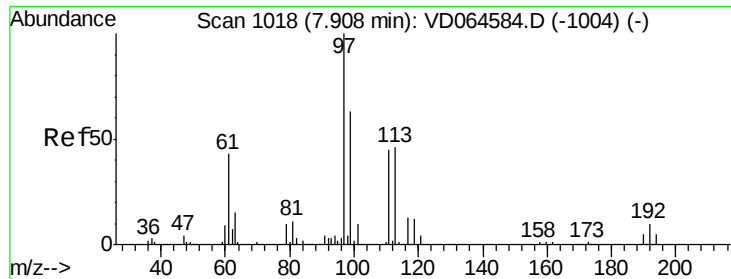
MMDadoda
1/10/2020 10:42:19 AM



#31
Cyclohexane
Concen: 19.883 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	56	Resp	277940
Ion Ratio	100	Lower	Upper
69	40.3	24.7	37.1#
84	94.6	69.4	104.2





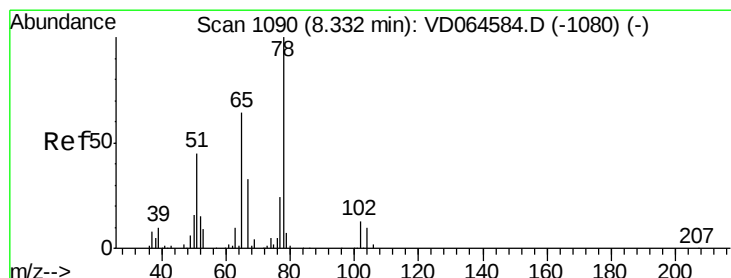
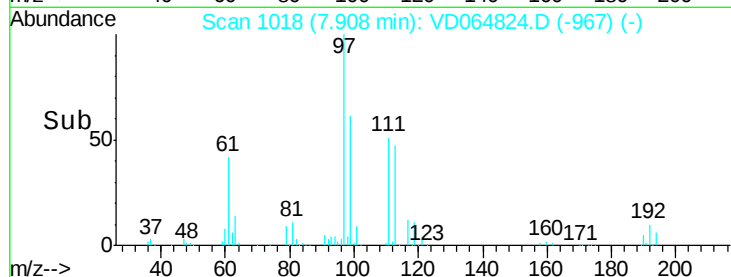
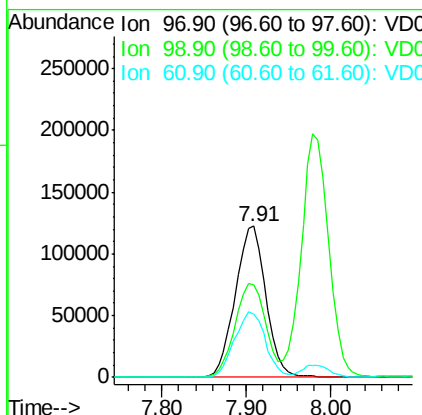
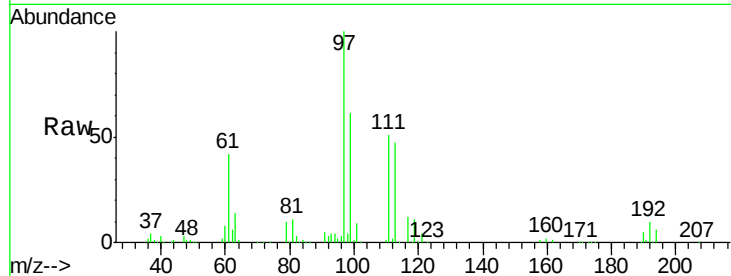
#32
 1,1,1-Trichloroethane
 Concen: 22.300 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.0	76.6
61	43.5	35.4	53.0

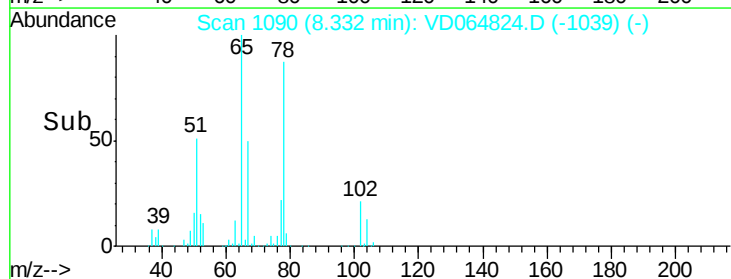
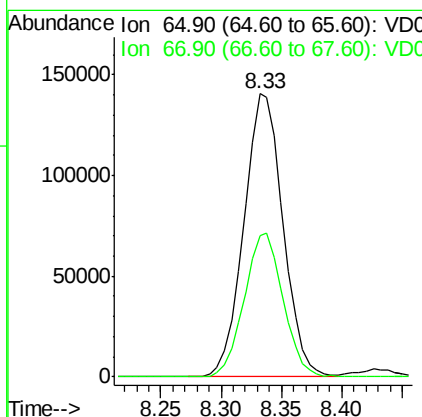
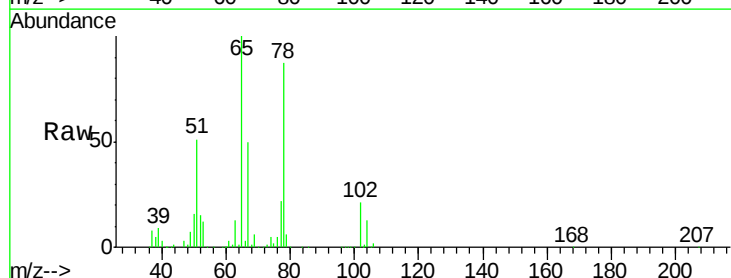
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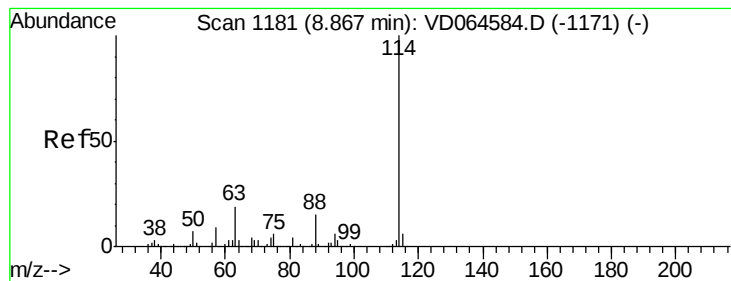
MMDadoda
 1/10/2020 10:42:19 AM



#33
 1,2-Dichloroethane-d4
 Concen: 42.217 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:114 Resp: 1263234

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

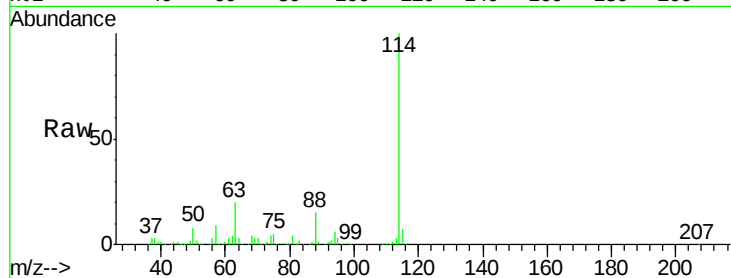
88 14.9 0.0 29.2

Manual Integrations

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MMDadoda

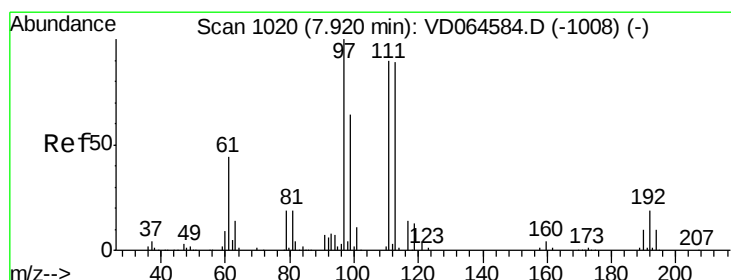
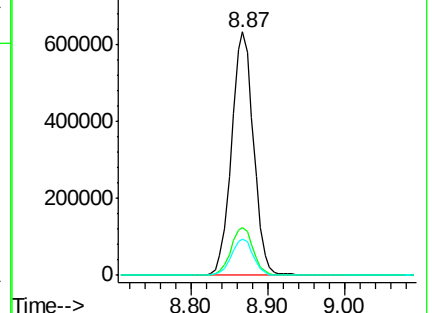
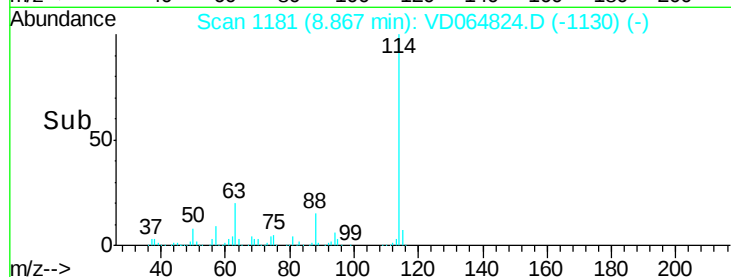
1/10/2020 10:42:19 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 22.817 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

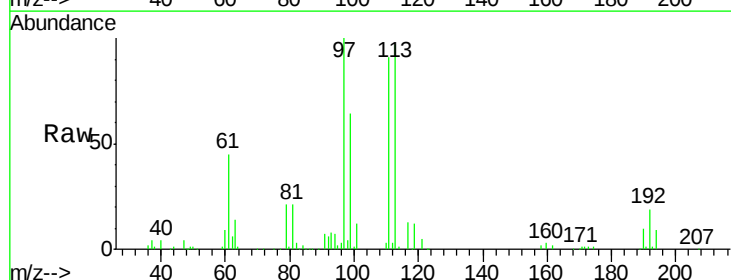
Tgt Ion:113 Resp: 176839

Ion Ratio Lower Upper

113 100

111 101.1 80.6 121.0

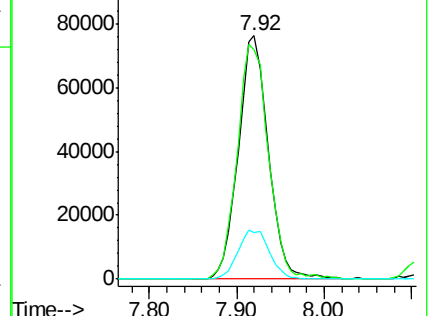
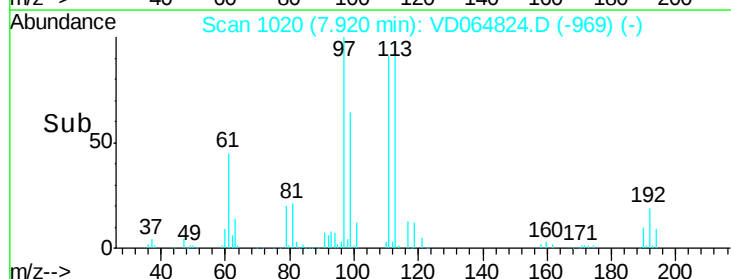
192 21.2 17.9 26.9

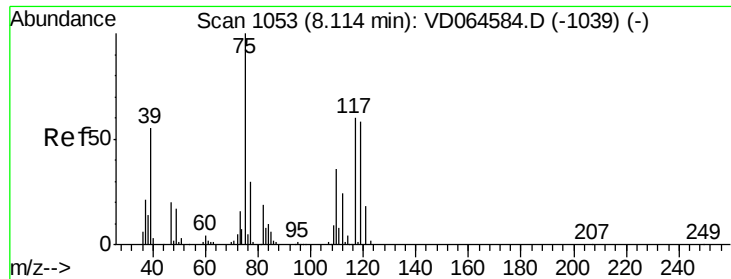


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





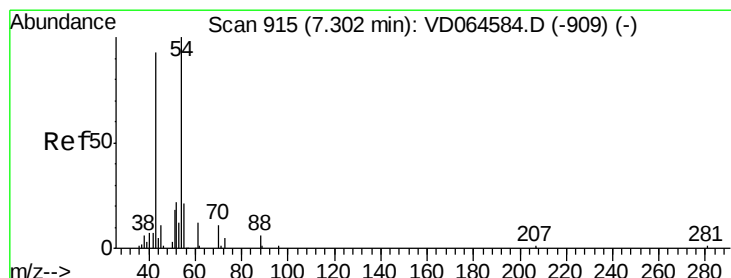
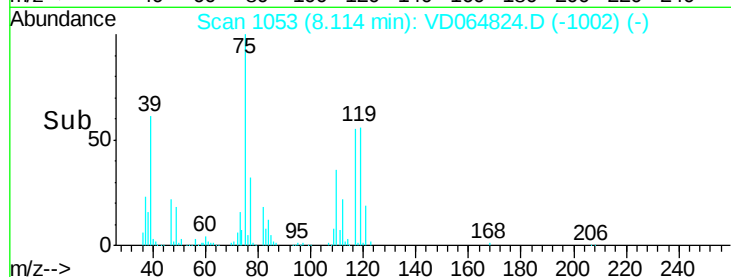
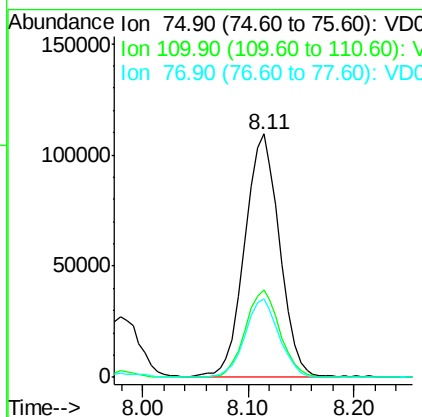
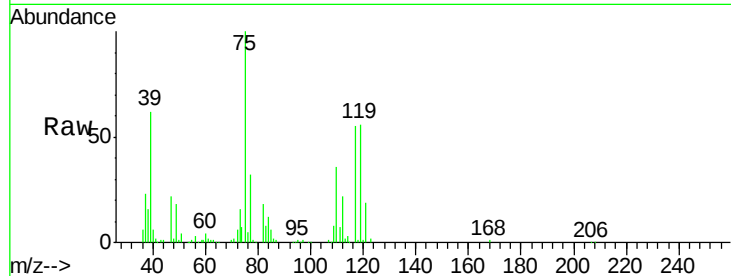
#36
 1,1-Dichloropropene
 Concen: 20.576 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.1
77	31.8	24.2	36.4

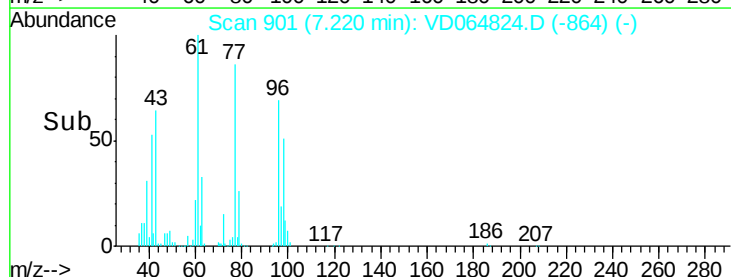
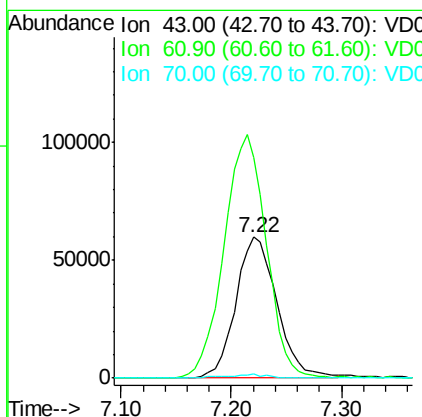
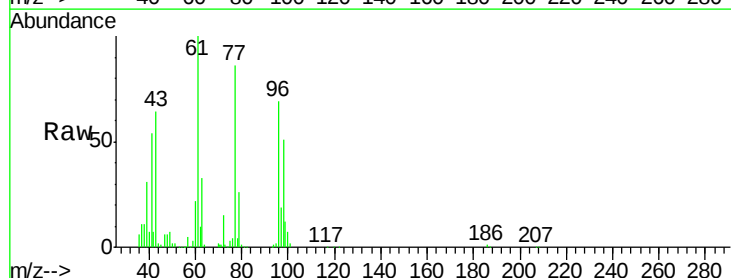
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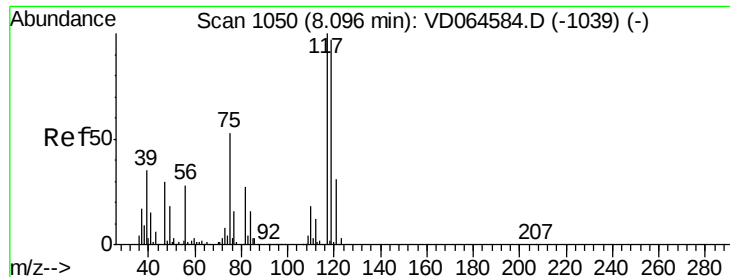
MMDadoda
 1/10/2020 10:42:19 AM



#37
 Ethyl Acetate
 Concen: 32.888 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	175.9	10.3	15.5#
70	2.5	7.6	11.4#





#38

Carbon Tetrachloride

Concen: 21.333 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

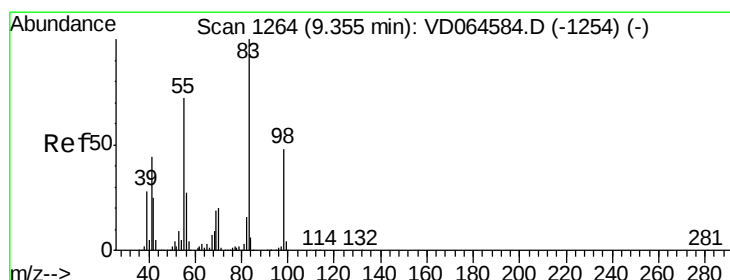
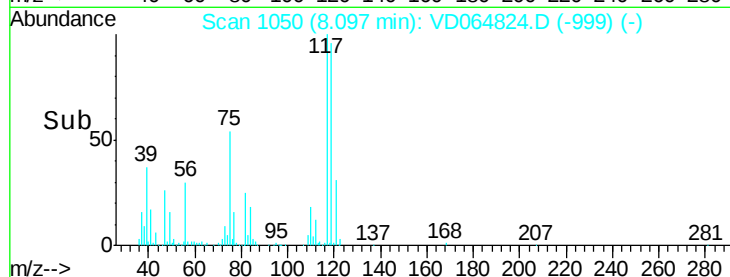
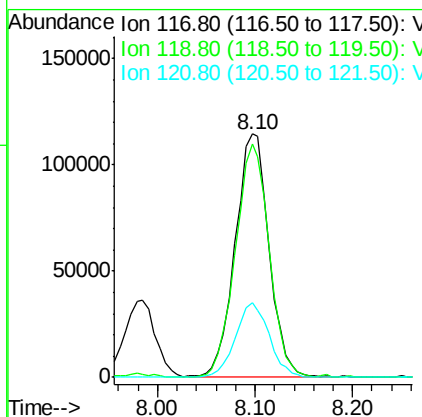
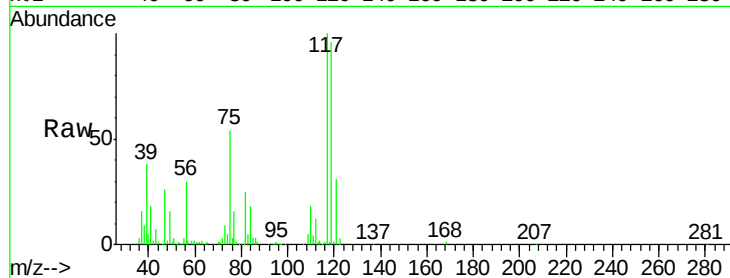
ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:	117	Resp:	276576
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.3	115.9
121	30.8	25.0	37.6

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#39

Methylcyclohexane

Concen: 19.038 ug/l

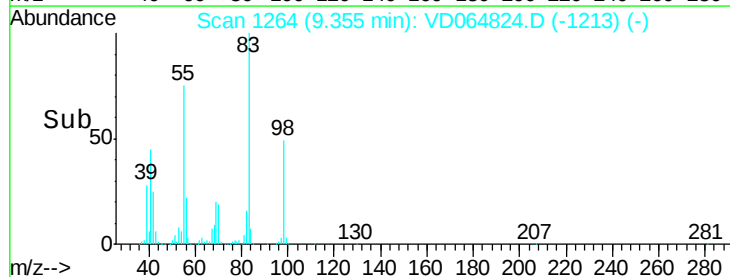
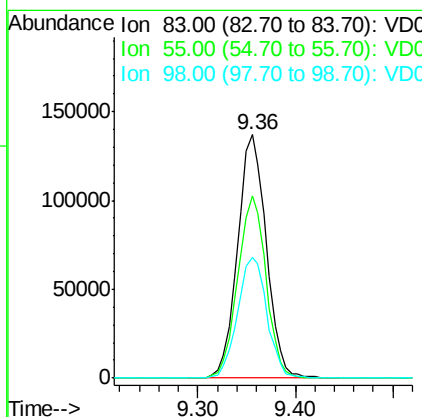
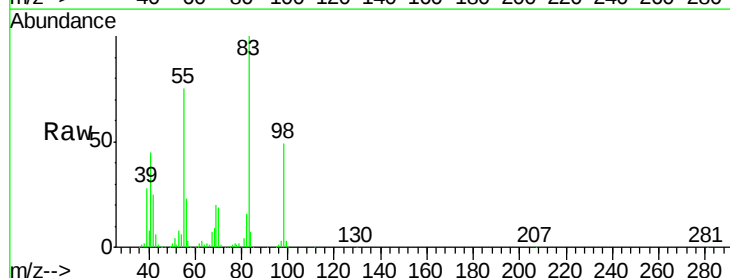
RT: 9.36 min Scan# 1264

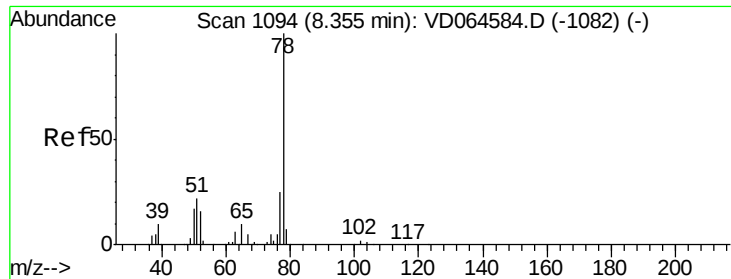
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	83	Resp:	280359
Ion	Ratio	Lower	Upper
83	100		
55	74.9	57.8	86.6
98	49.5	38.7	58.1





#40

Benzene

Concen: 21.194 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 78 Resp: 703476

Ion Ratio Lower Upper

78 100

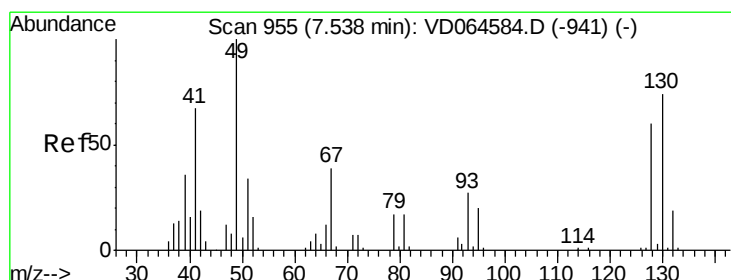
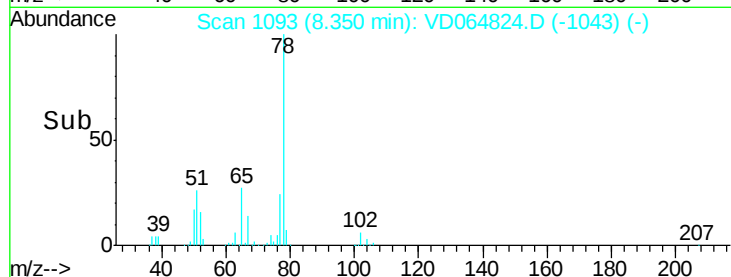
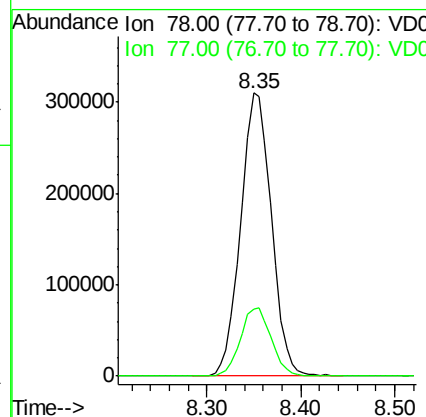
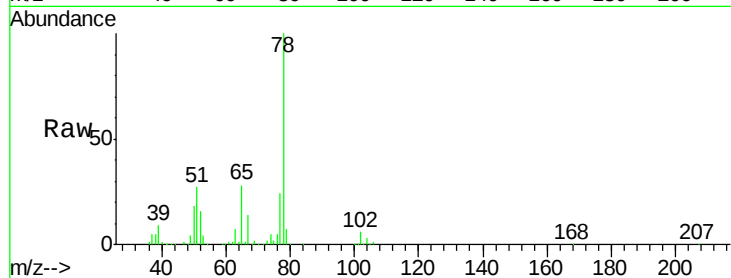
77 23.9 19.9 29.9

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#41

Methacrylonitrile

Concen: 12.202 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion: 41 Resp: 33816

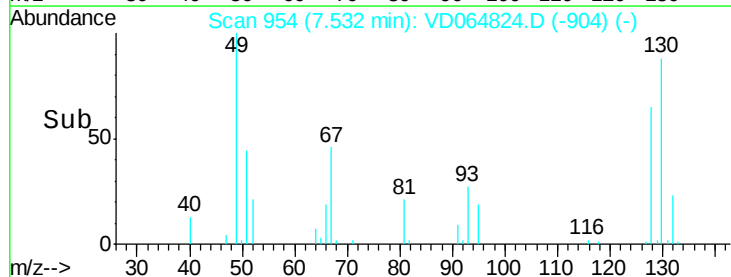
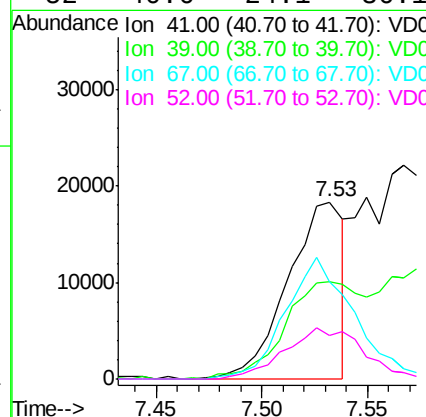
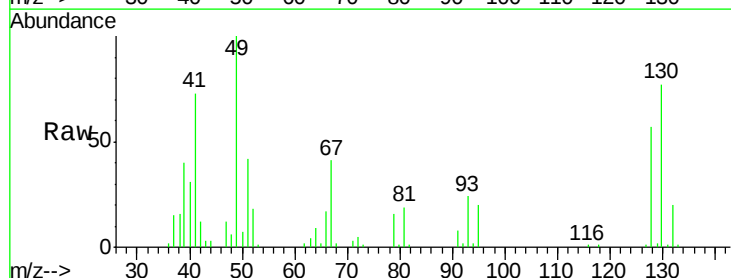
Ion Ratio Lower Upper

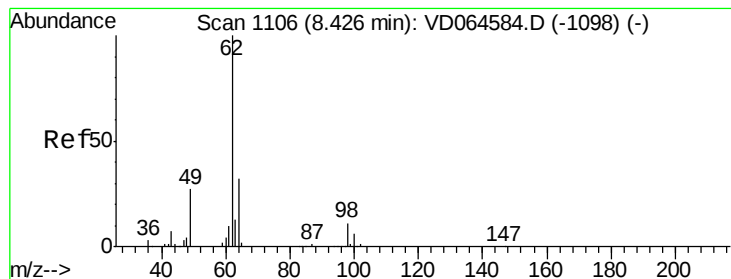
41 100

39 76.8 46.7 70.1#

67 85.1 52.5 78.7#

52 40.6 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 18.701 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 62 Resp: 179376

Ion Ratio Lower Upper

62 100

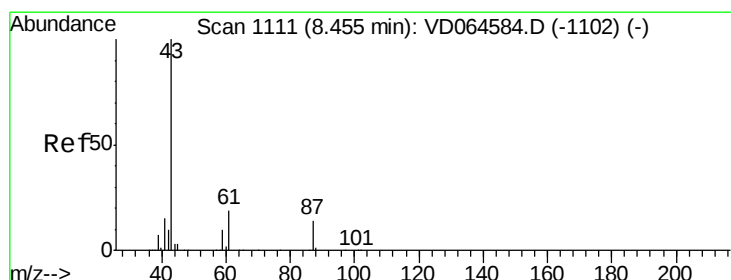
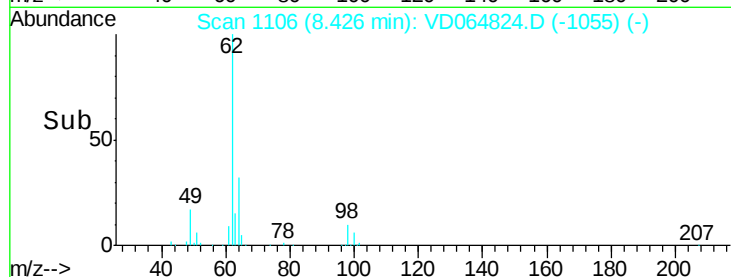
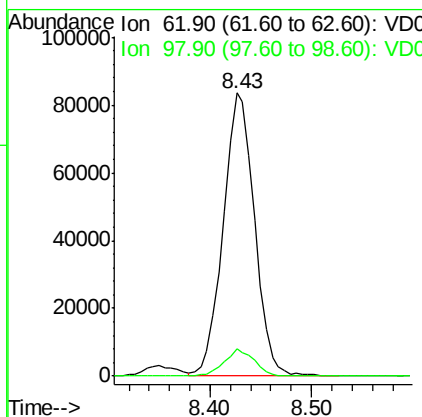
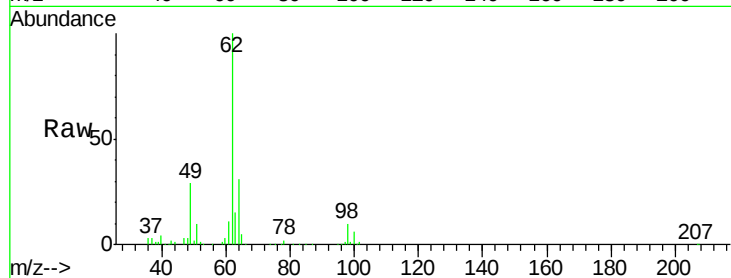
98 9.2 0.0 20.0

Manual Integrations

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#43

Isopropyl Acetate

Concen: 5.462 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

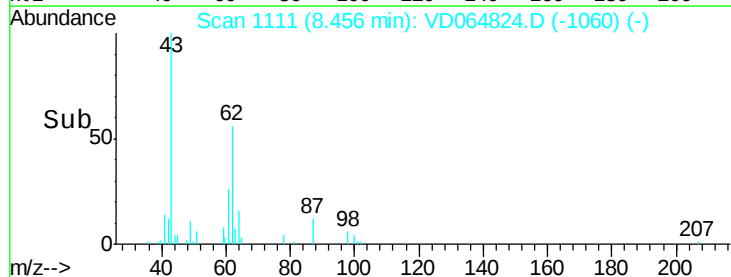
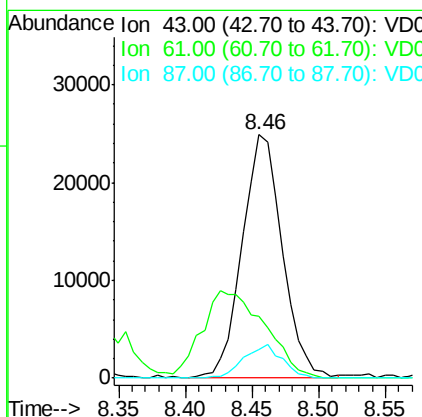
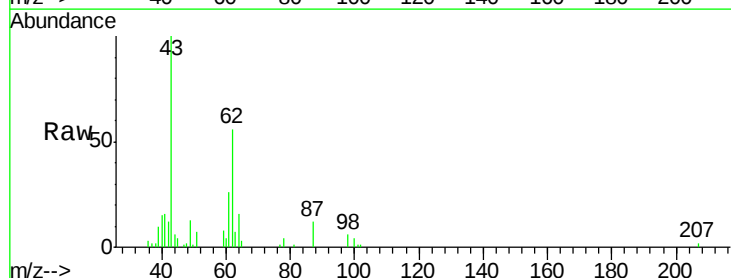
Tgt Ion: 43 Resp: 51932

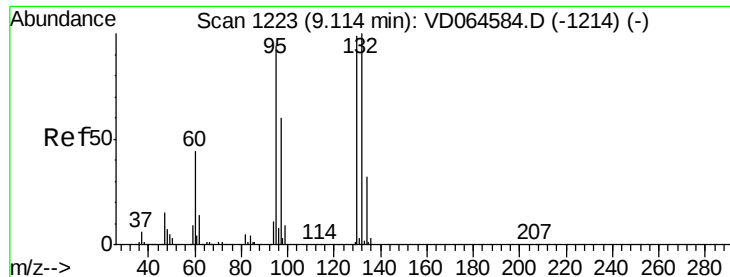
Ion Ratio Lower Upper

43 100

61 0.0 23.7 35.5#

87 13.1 10.5 15.7





#44

Trichloroethene

Concen: 38.378 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:130 Resp: 374210

Ion Ratio Lower Upper

130 100

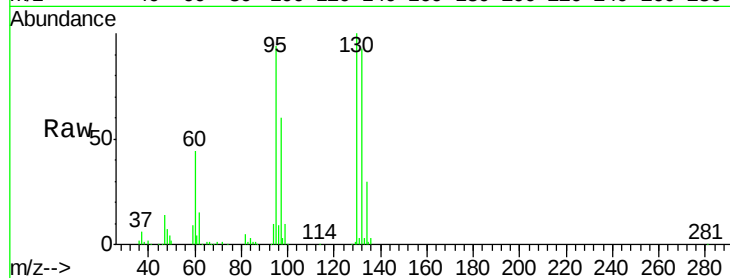
95 94.1 0.0 190.2

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

9.11

200000

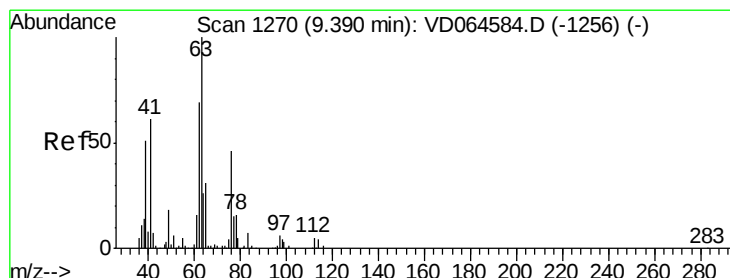
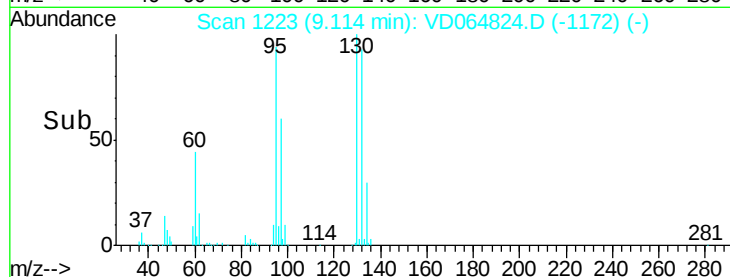
150000

100000

50000

0

Time-->



#45

1,2-Dichloropropane

Concen: 20.819 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064824.D

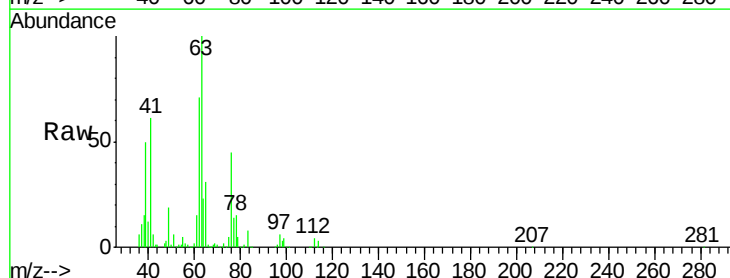
Acq: 09 Jan 2020 18:53

Tgt Ion: 63 Resp: 164991

Ion Ratio Lower Upper

63 100

65 30.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

80000

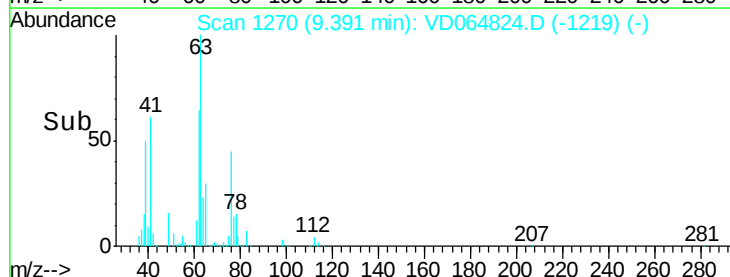
60000

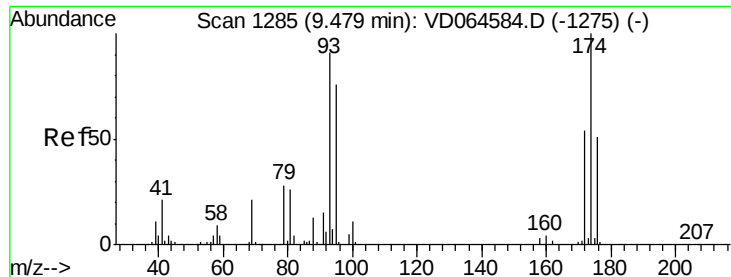
40000

20000

0

Time-->





#46

Dibromomethane

Concen: 16.649 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

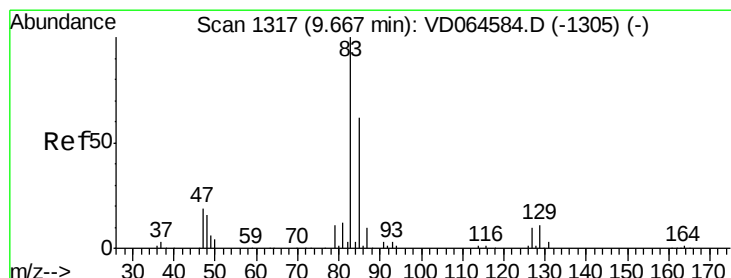
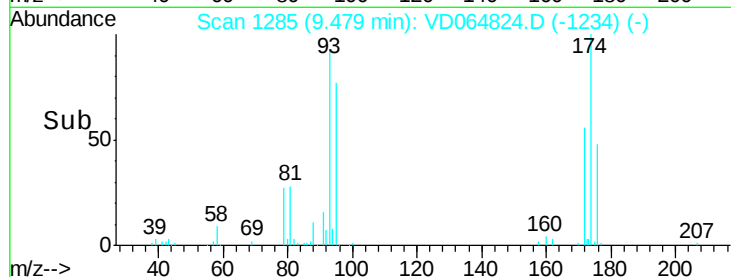
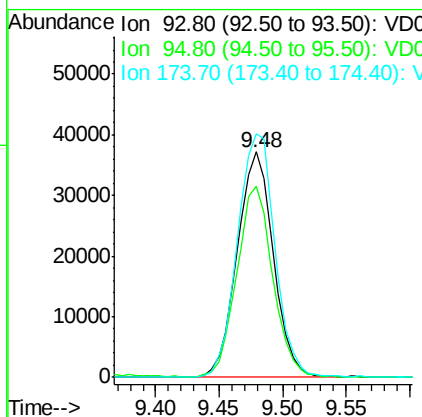
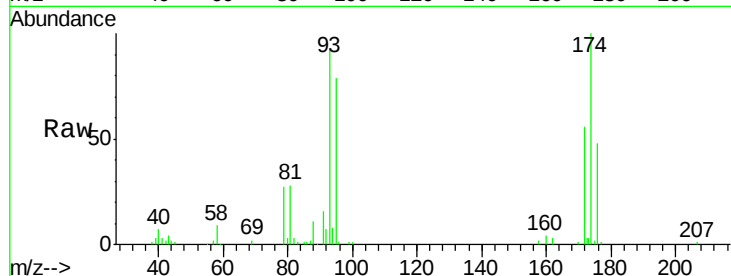
ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:	93	Resp:	73564
Ion	Ratio	Lower	Upper
93	100		
95	84.4	64.6	97.0
174	112.2	88.1	132.1

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#47

Bromodichloromethane

Concen: 19.557 ug/l

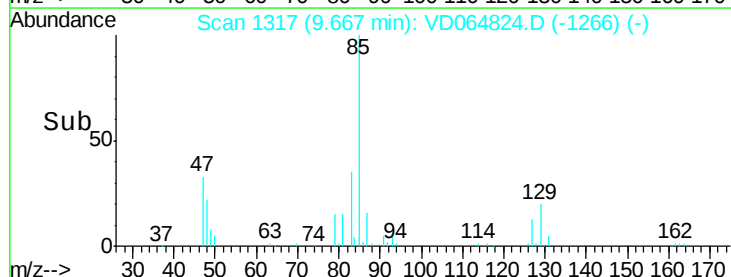
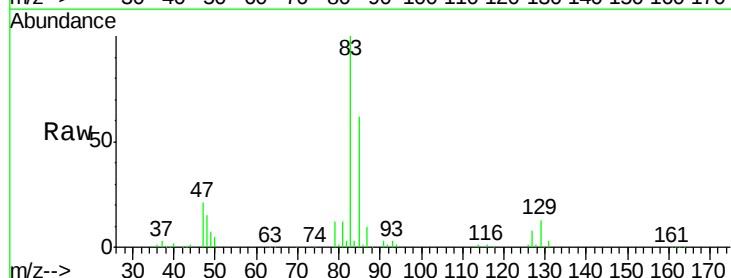
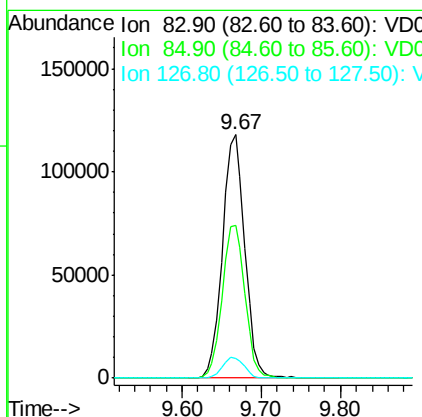
RT: 9.67 min Scan# 1317

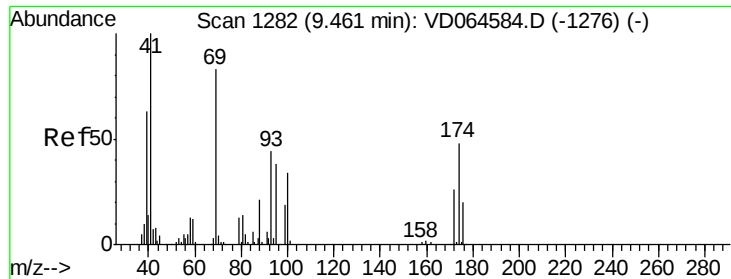
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	83	Resp:	229936
Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.5	74.3
127	8.2	7.8	11.6





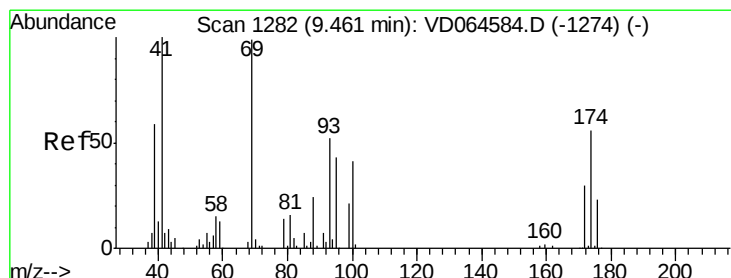
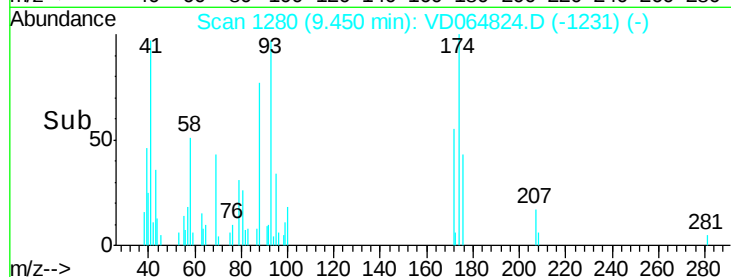
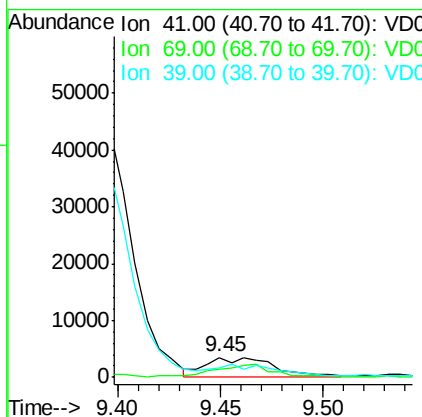
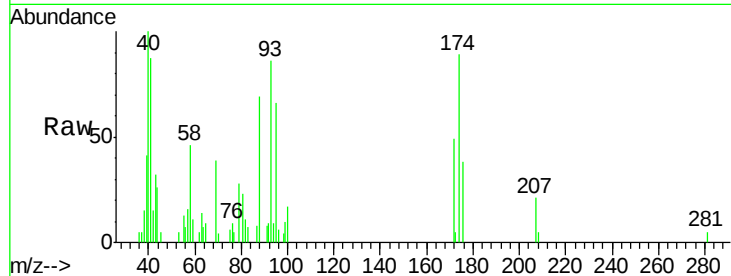
#48
Methvl methacrylate
Concen: 1.825 ug/l m
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion: 41 Resp: 8171
Ion Ratio Lower Upper
41 100
69 691.4 63.0 94.6#
39 1022.4 47.4 71.2

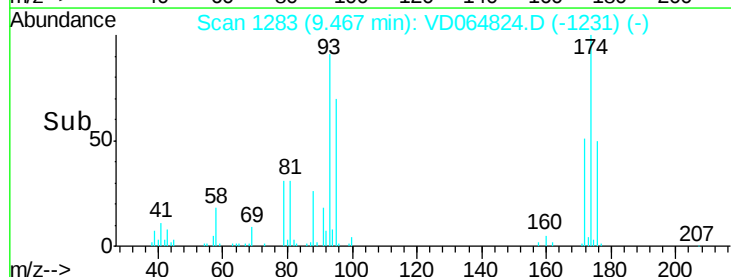
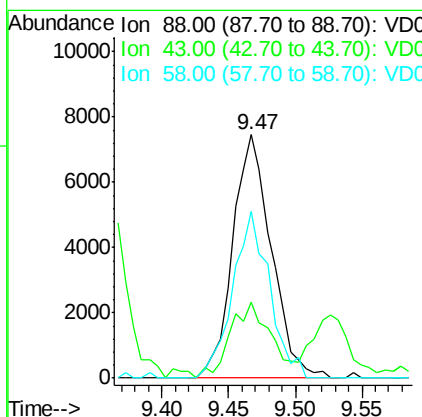
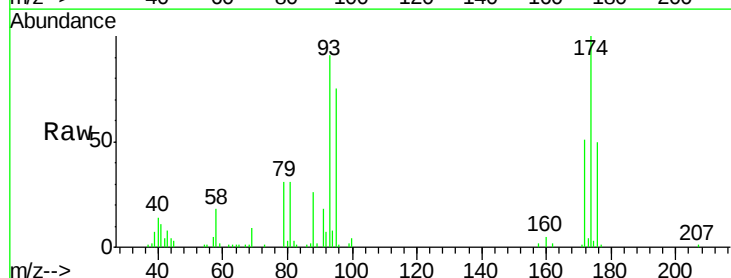
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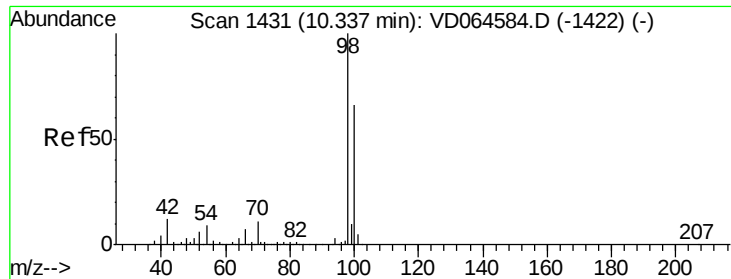
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#49
1,4-Dioxane
Concen: 293.989 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 88 Resp: 14978
Ion Ratio Lower Upper
88 100
43 33.8 27.7 41.5
58 65.3 53.8 80.6





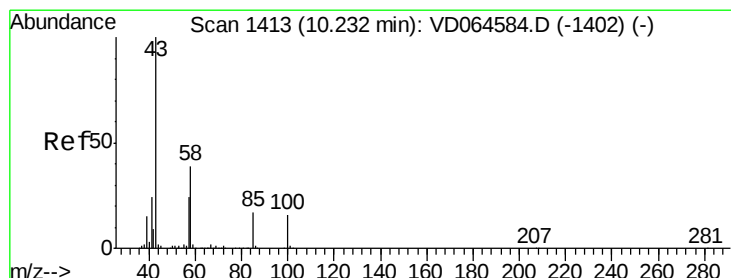
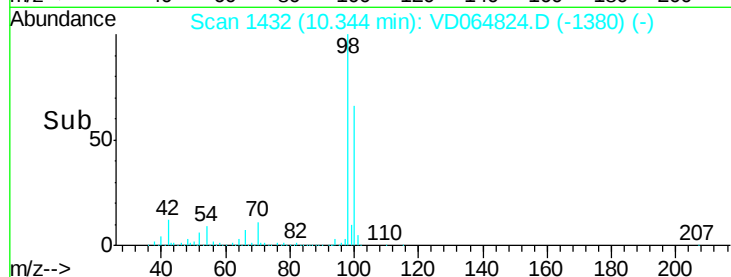
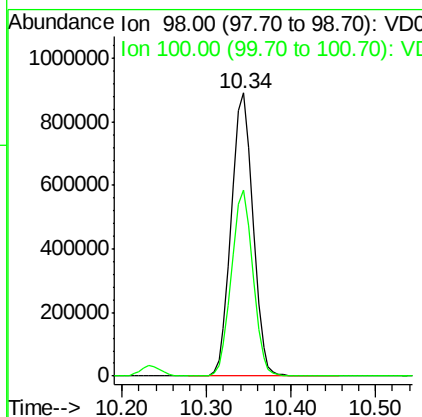
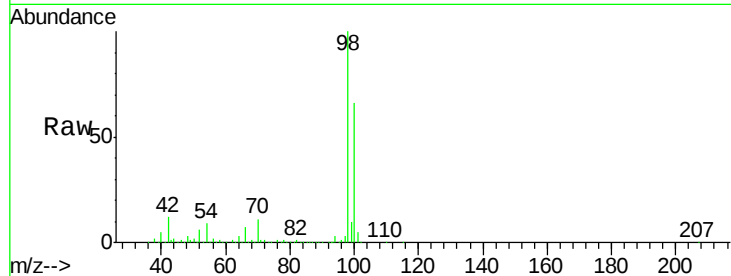
#50
Toluene-d8
Concen: 52.987 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion: 98 Resp: 1572788
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

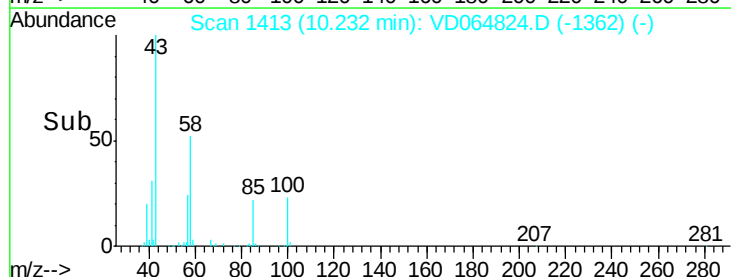
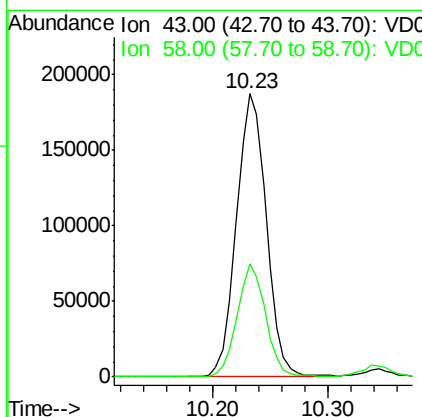
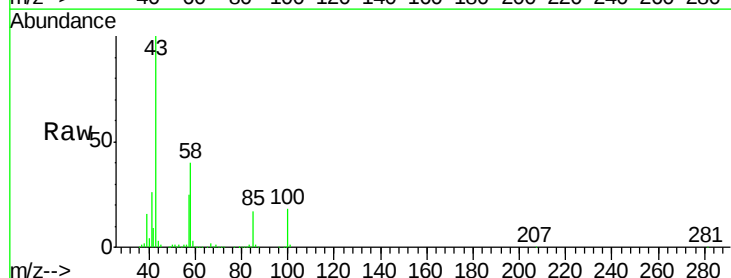
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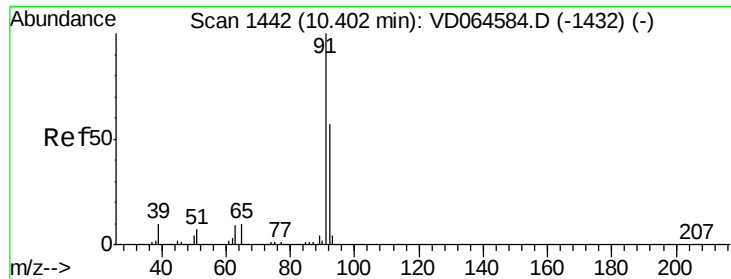
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#51
4-Methyl-2-Pentanone
Concen: 71.798 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 43 Resp: 337396
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.2





#52

Toluene

Concen: 20.964 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 92 Resp: 456512

Ion Ratio Lower Upper

92 100

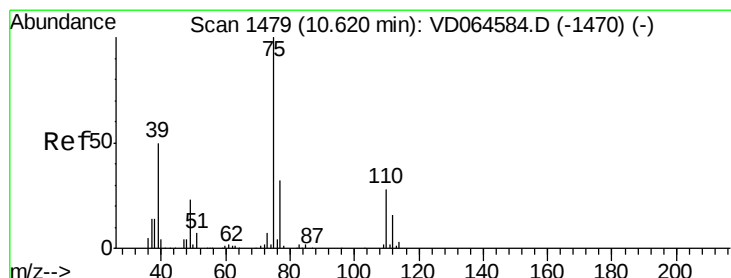
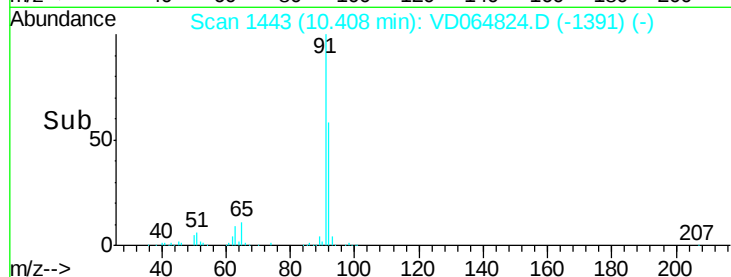
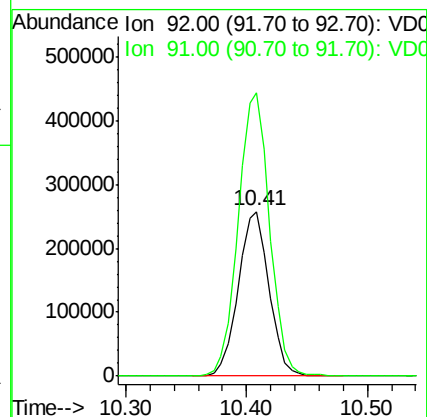
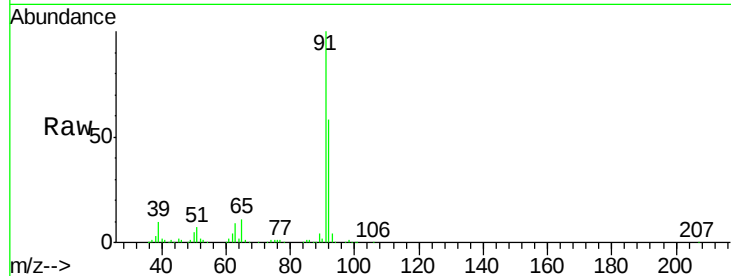
91 176.2 138.7 208.1

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#53

t-1,3-Dichloropropene

Concen: 17.920 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064824.D

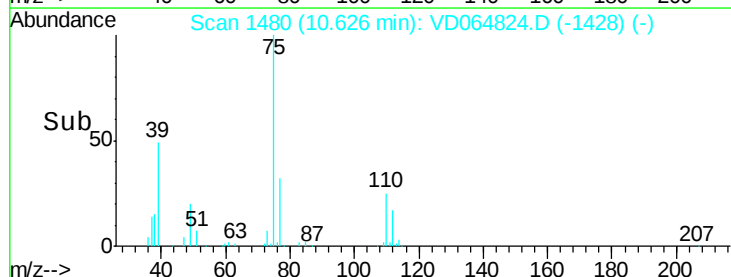
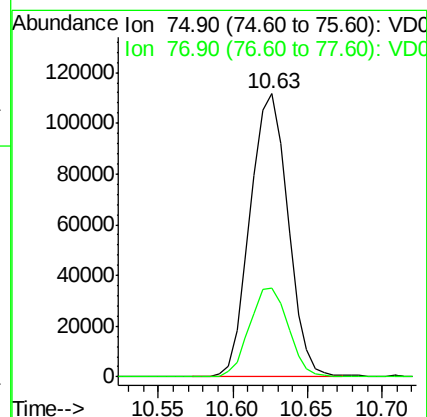
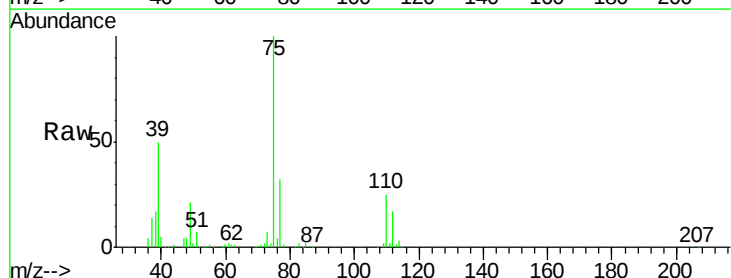
Acq: 09 Jan 2020 18:53

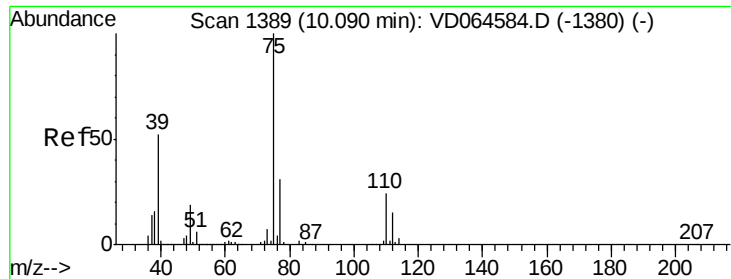
Tgt Ion: 75 Resp: 196431

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 19.377 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

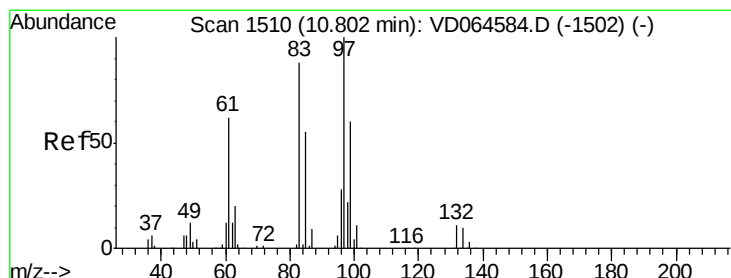
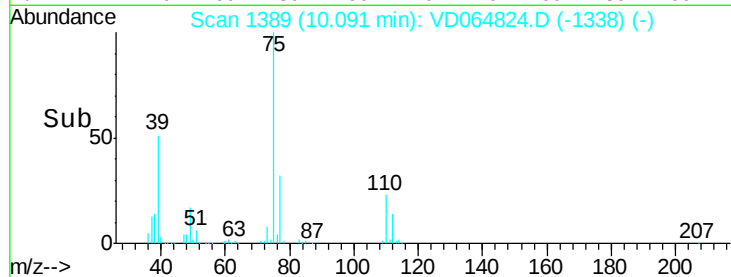
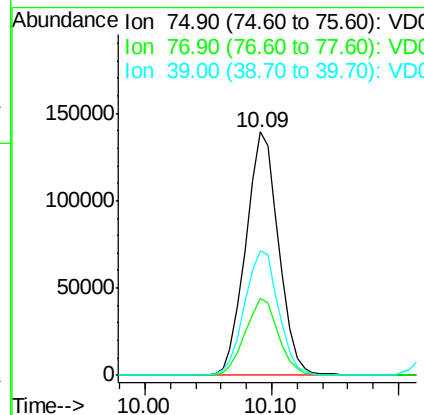
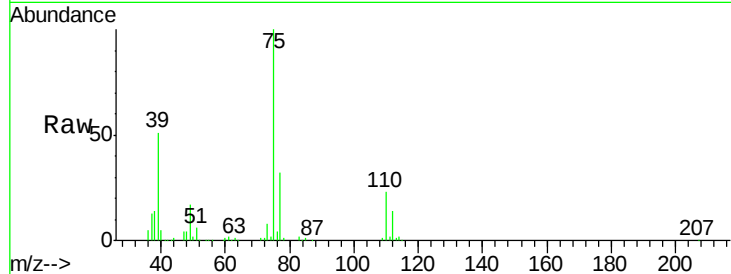
ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:	75	Resp:	250452
Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	51.1	41.4	62.2

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#55

1,1,2-Trichloroethane

Concen: 15.658 ug/l

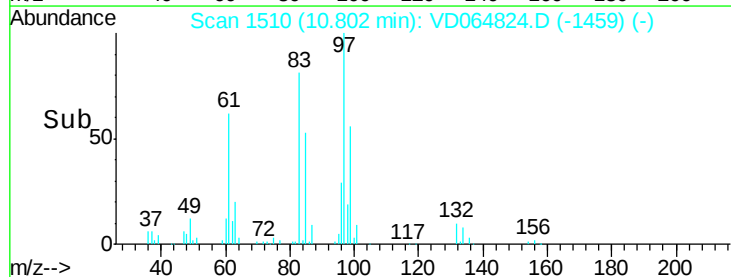
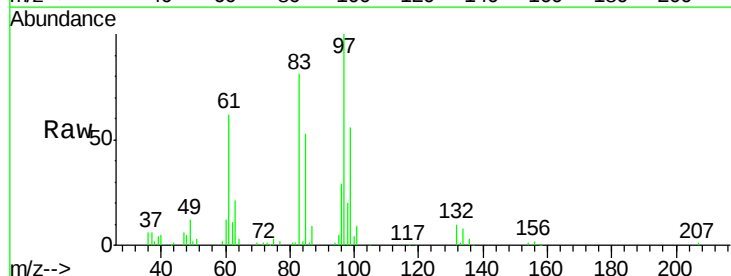
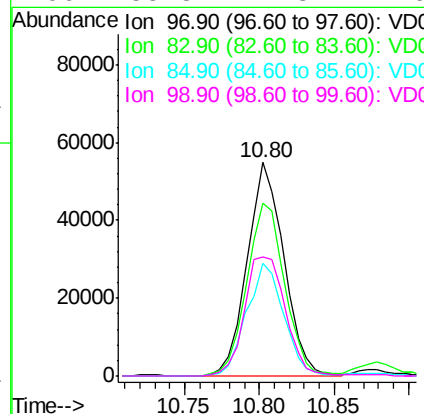
RT: 10.80 min Scan# 1510

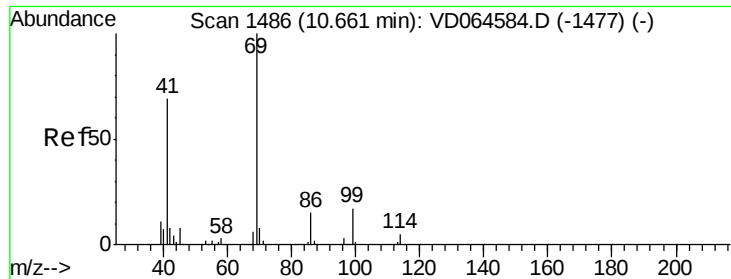
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	97	Resp:	93239
Ion	Ratio	Lower	Upper
97	100		
83	81.1	70.2	105.4
85	52.8	44.0	66.0
99	55.8	47.8	71.6





#56

Ethyl methacrylate

Concen: 4.465 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

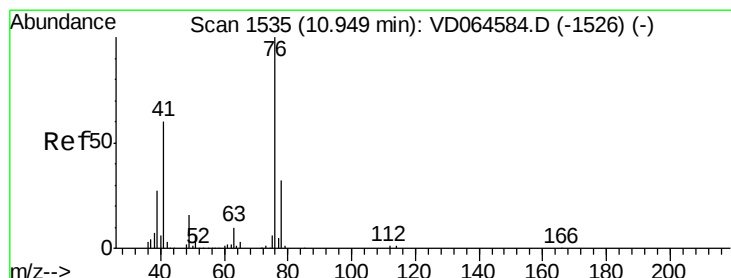
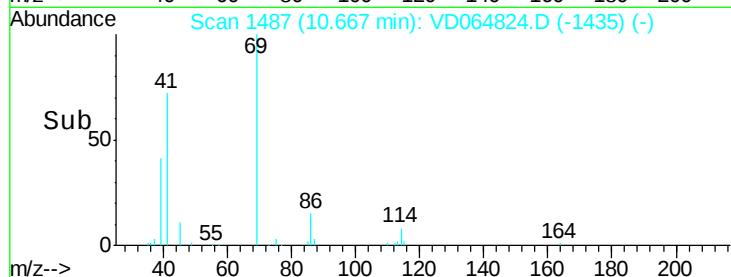
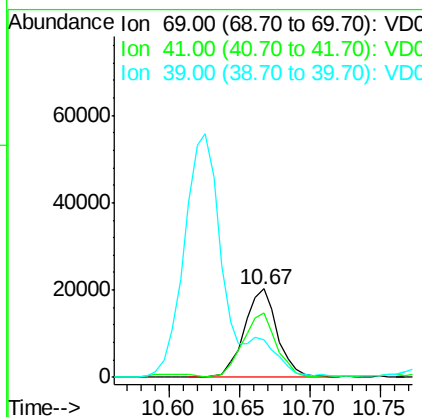
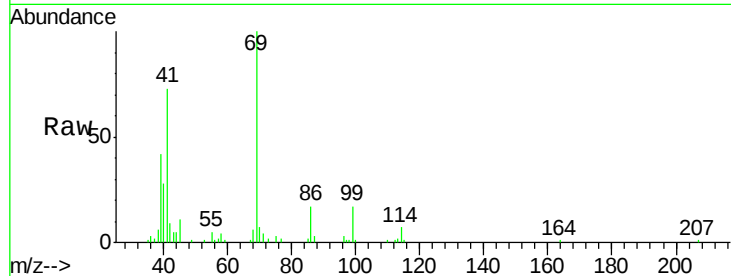
ClientSampleID :

SB-3H-(8.5-10.5)MSD

Tot Ion:	69	Resp:	33206
Ion	Ratio	Lower	Upper
69	100		
41	71.7	55.3	82.9
39	0.0	33.8	50.8#

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#57

1,3-Dichloropropane

Concen: 17.535 ug/l

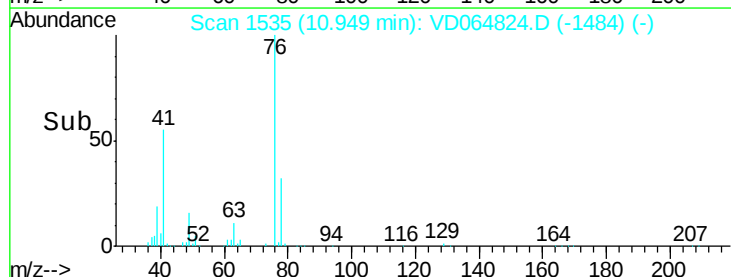
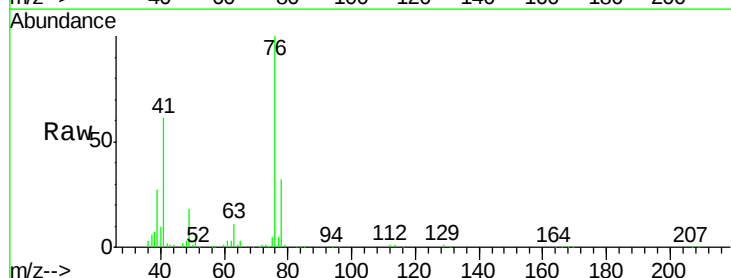
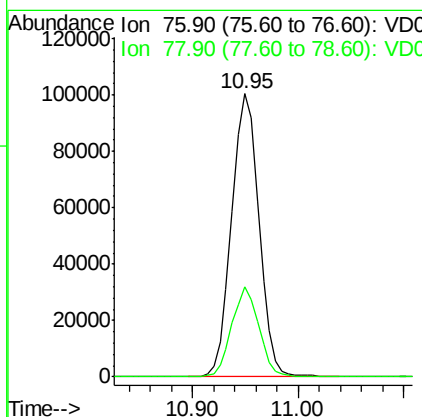
RT: 10.95 min Scan# 1535

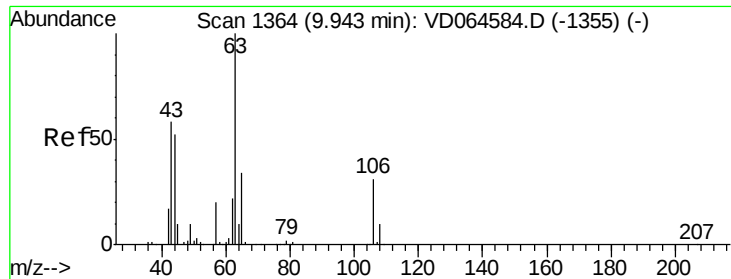
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	76	Resp:	179776
Ion	Ratio	Lower	Upper
76	100		
78	31.5	26.2	39.4





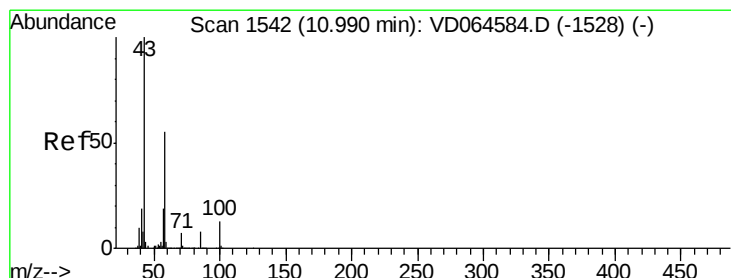
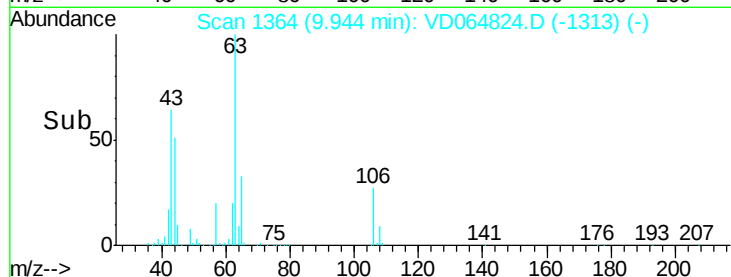
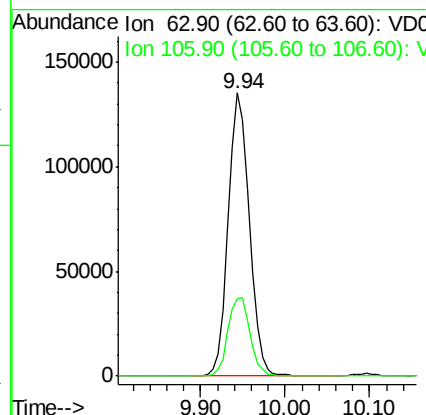
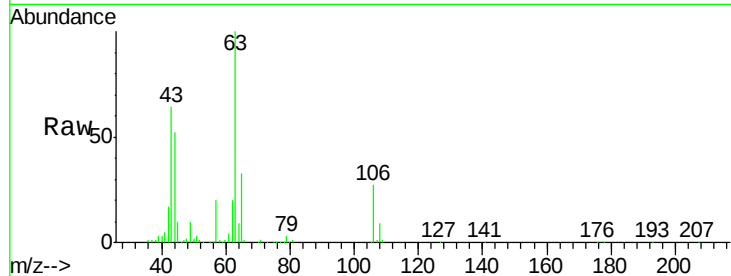
#58
2-Chloroethyl Vinyl ether
Concen: 82.716 ug/l
RT: 9.94 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion: 63 Resp: 234354
Ion Ratio Lower Upper
63 100
106 28.9 23.8 35.8

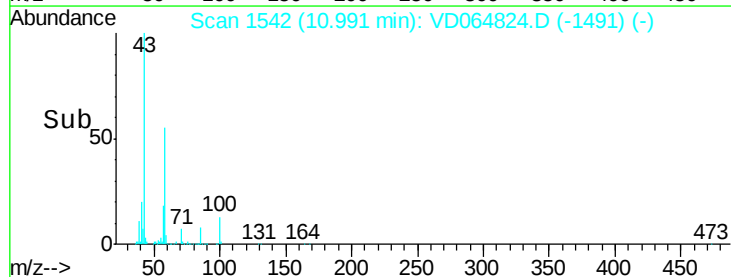
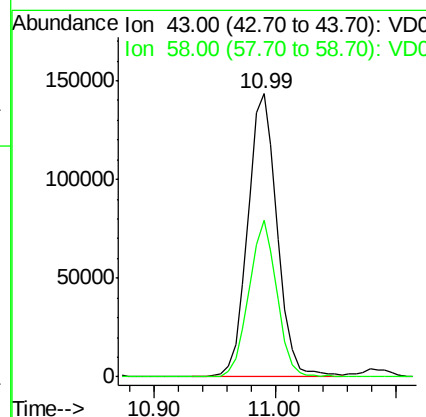
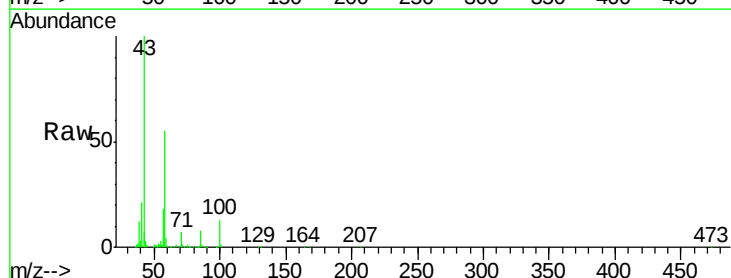
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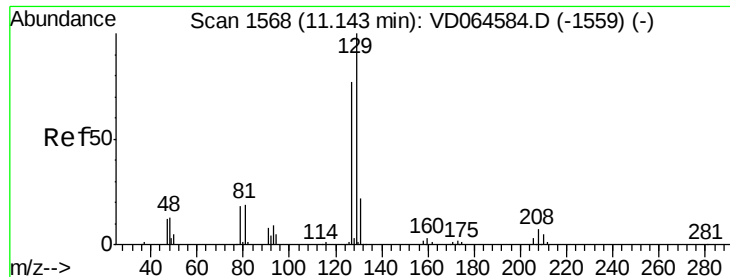
MMDadoda
1/10/2020 10:42:19 AM



#59
2-Hexanone
Concen: 76.531 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 43 Resp: 244094
Ion Ratio Lower Upper
43 100
58 52.6 26.4 79.0





#60

Dibromochloromethane

Concen: 17.691 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:129 Resp: 145673

Ion Ratio Lower Upper

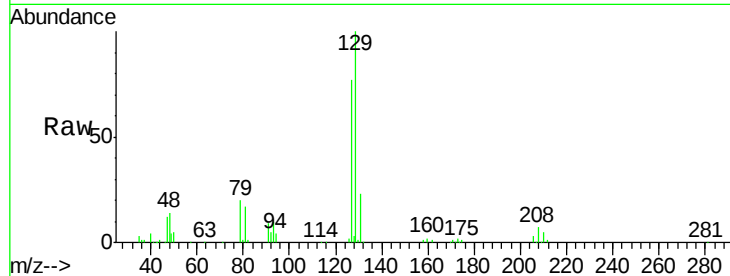
129 100

127 75.9 38.4 115.2

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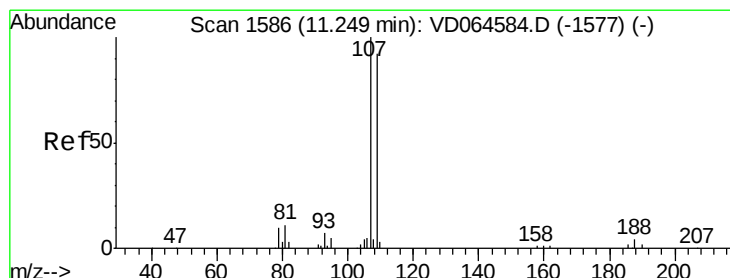
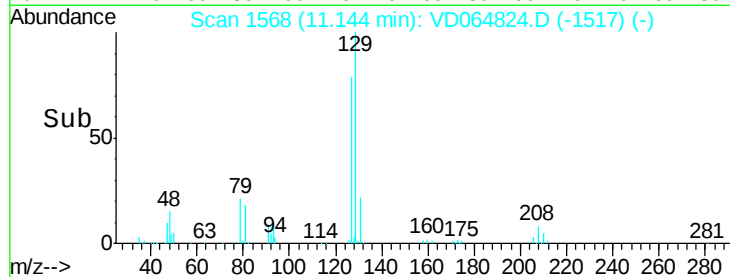
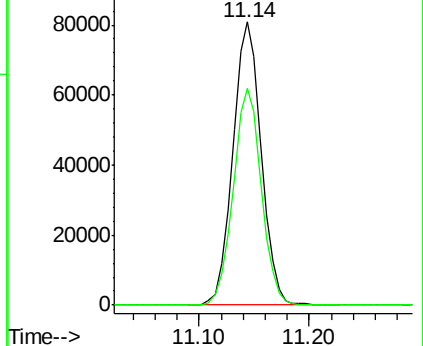
MMDadoda

1/10/2020 10:42:19 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 16.368 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064824.D

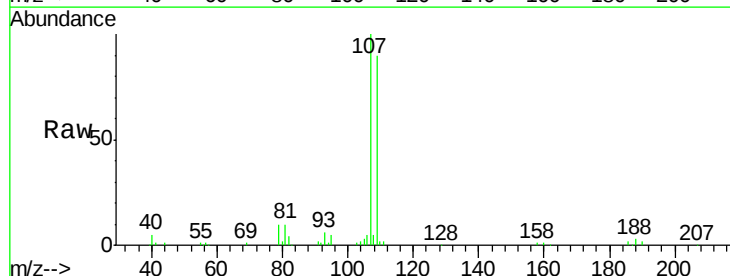
Acq: 09 Jan 2020 18:53

Tgt Ion:107 Resp: 96132

Ion Ratio Lower Upper

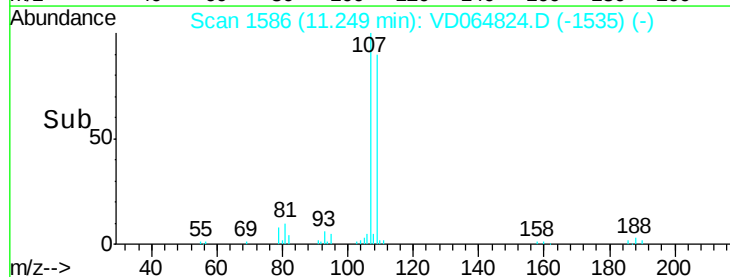
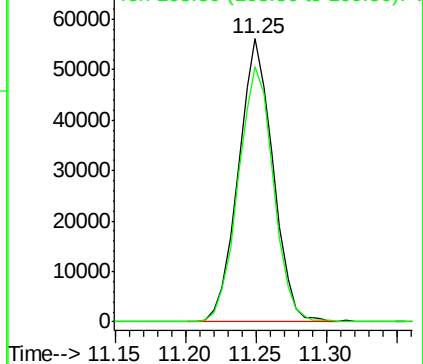
107 100

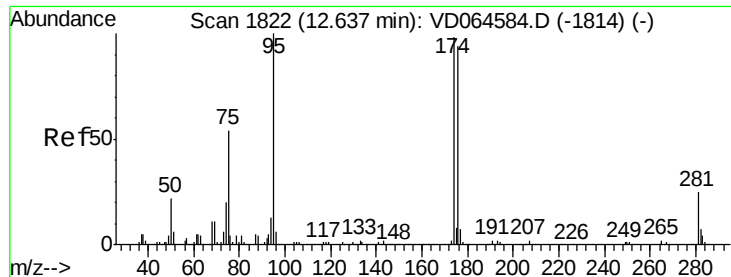
109 91.8 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





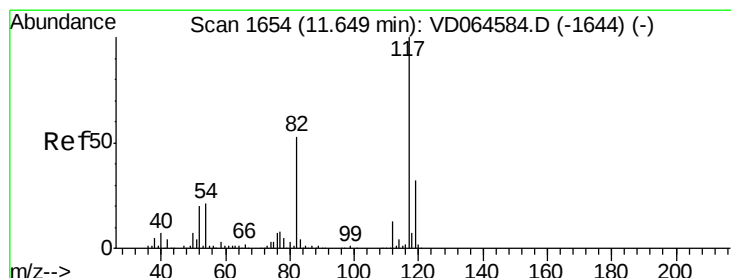
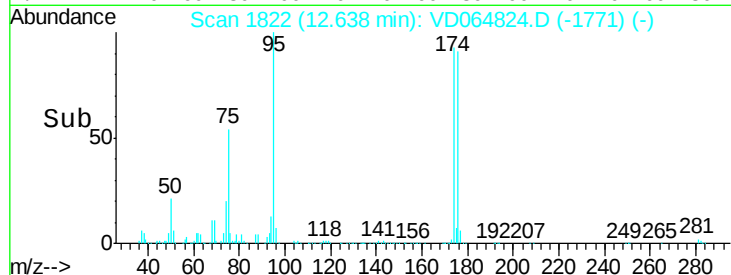
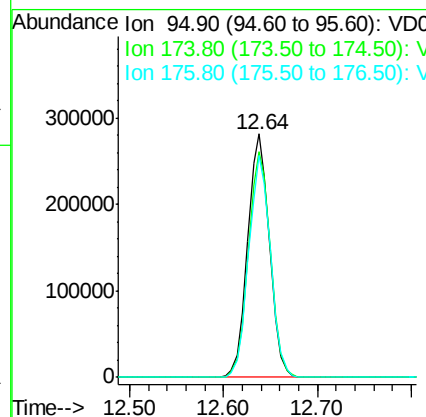
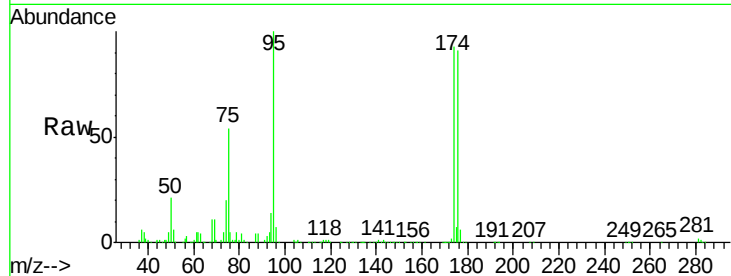
#62
4-Bromofluorobenzene
Concen: 48.022 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	450723		
174	93.9	0.0	193.2	
176	90.9	0.0	184.2	

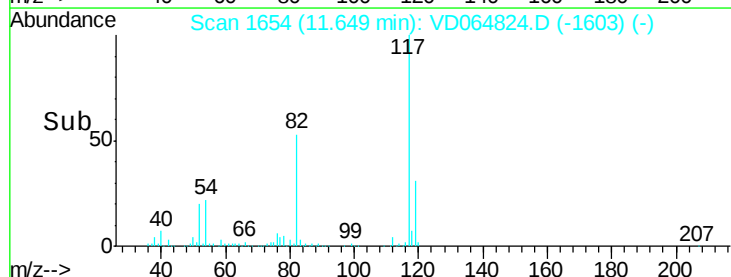
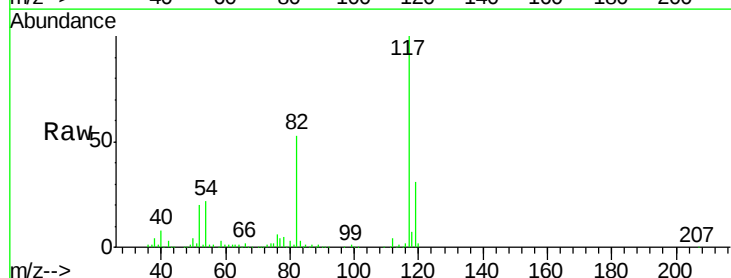
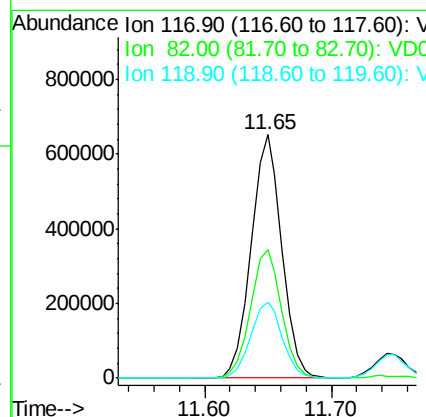
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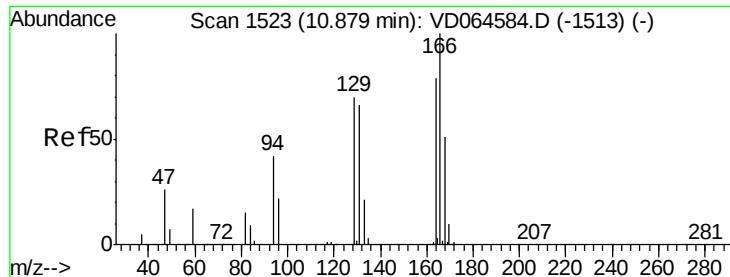
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1093298		
82	52.7	42.2	63.4	
119	31.0	26.0	39.0	





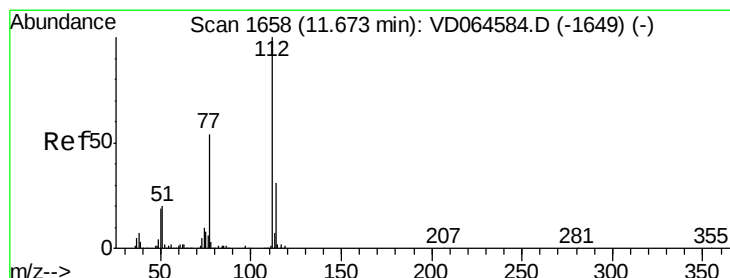
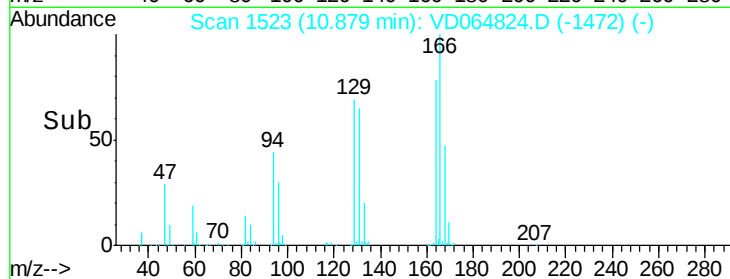
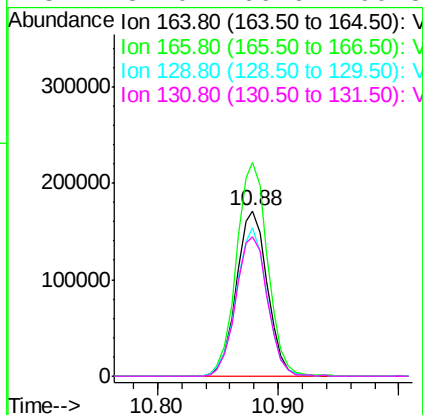
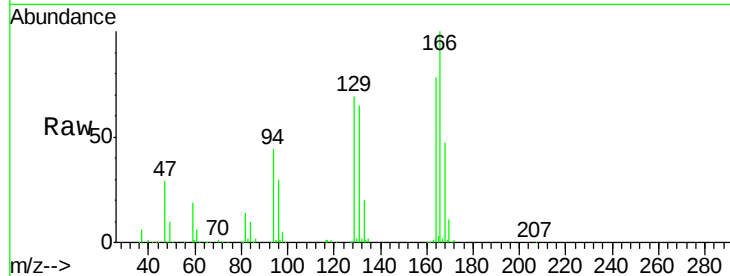
#64
Tetrachloroethene
Concen: 36.663 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.3	151.9
129	89.3	70.5	105.7
131	84.0	66.6	99.8

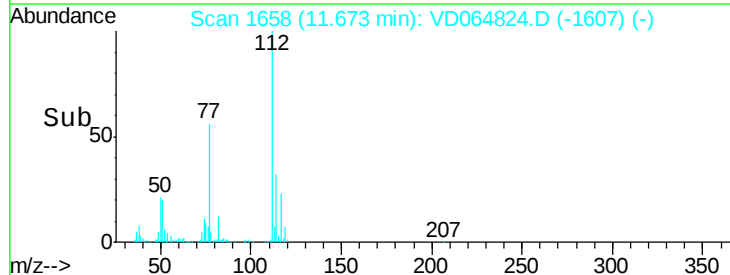
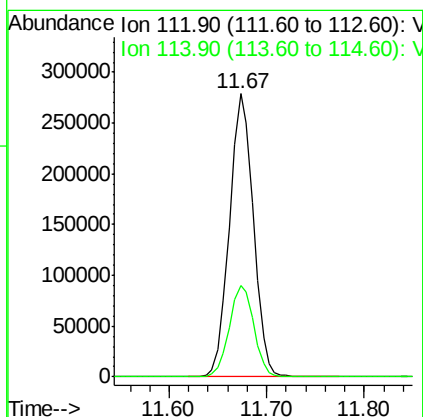
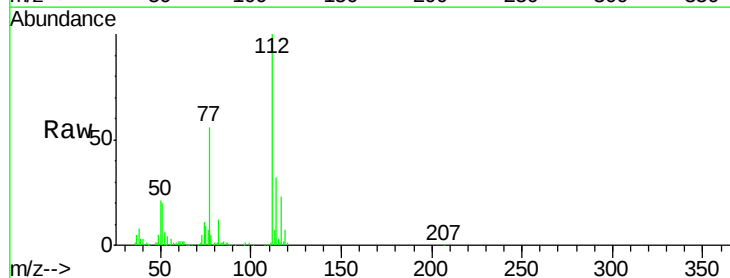
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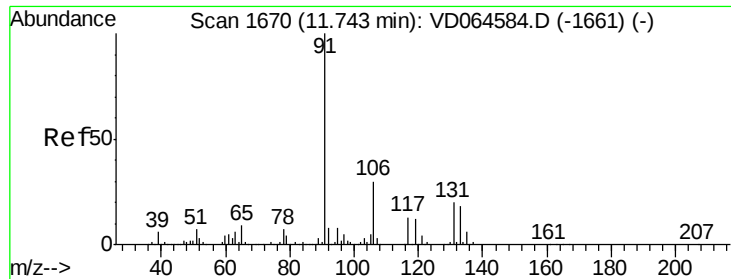
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#65
Chlorobenzene
Concen: 20.934 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.8	37.2





#66

1,1,1,2-Tetrachloroethane

Concen: 20.493 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:131 Resp: 175299

Ion Ratio Lower Upper

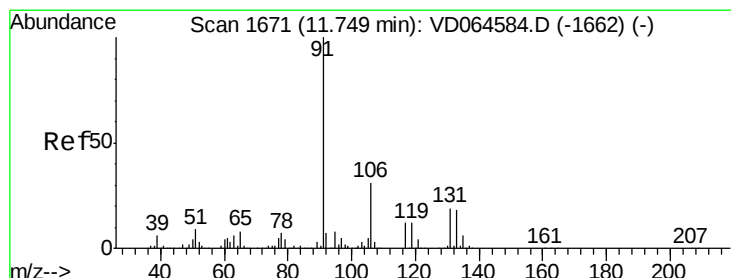
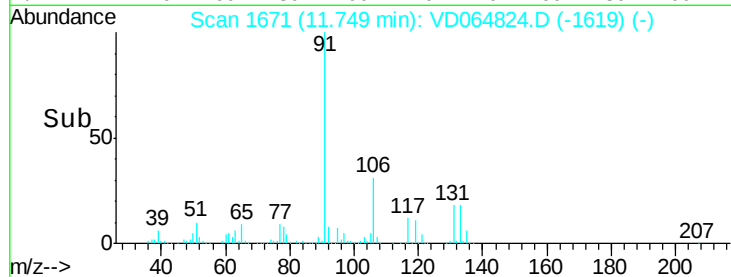
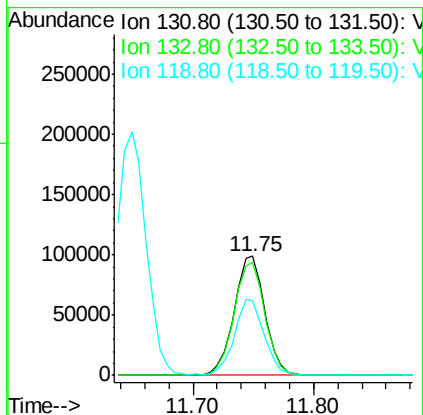
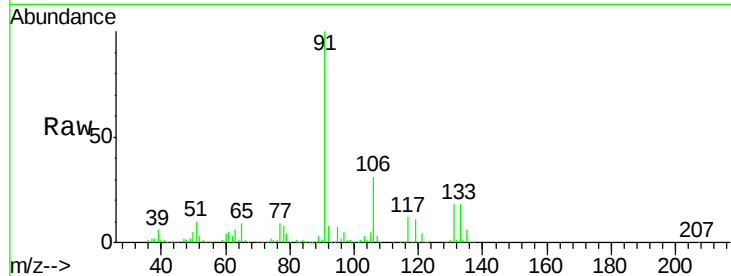
131 100

133 95.7 48.3 144.8

119 62.3 32.1 96.3

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#67

Ethyl Benzene

Concen: 21.325 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064824.D

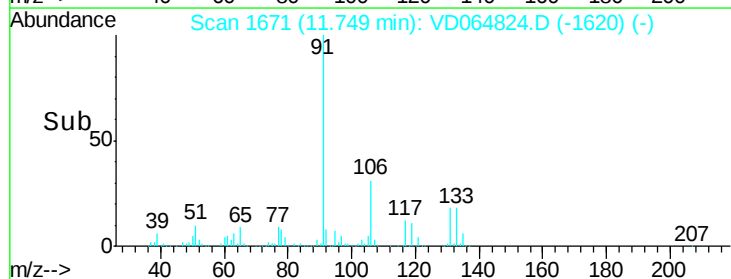
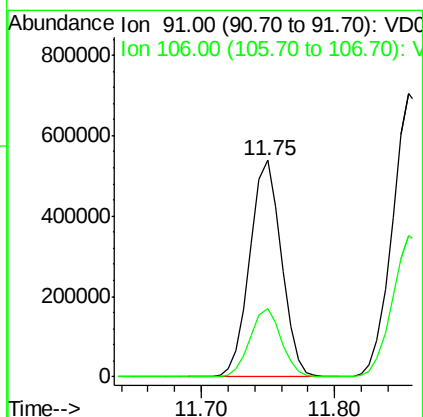
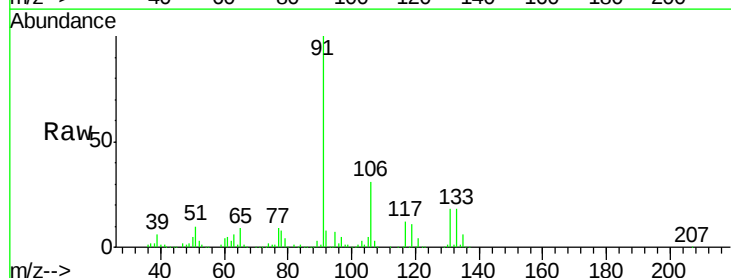
Acq: 09 Jan 2020 18:53

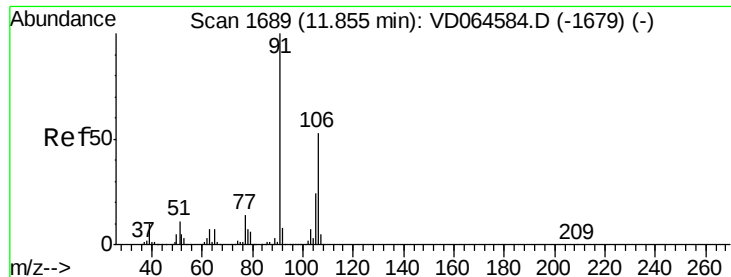
Tgt Ion: 91 Resp: 878287

Ion Ratio Lower Upper

91 100

106 31.4 24.6 36.8





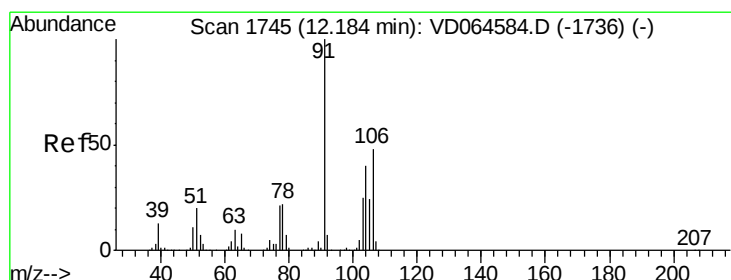
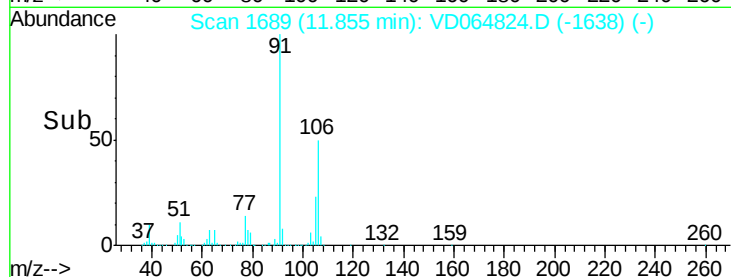
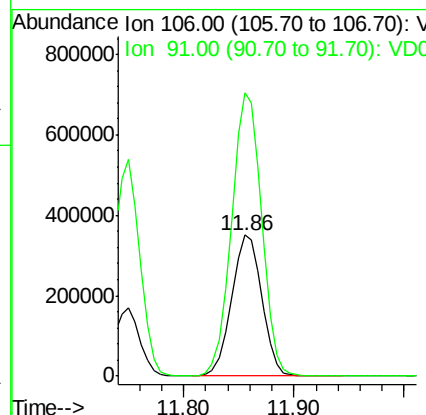
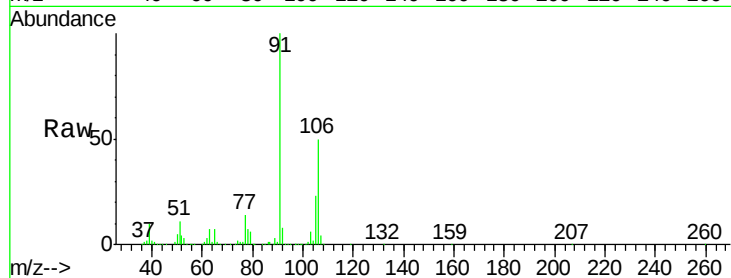
#68
m/p-Xylenes
Concen: 42.422 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	199.3	156.3	234.5		

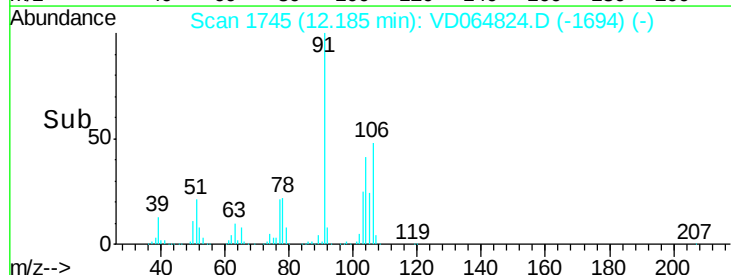
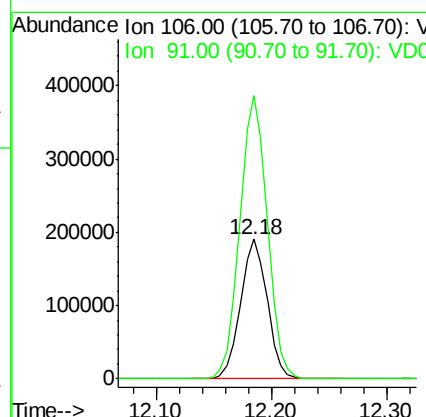
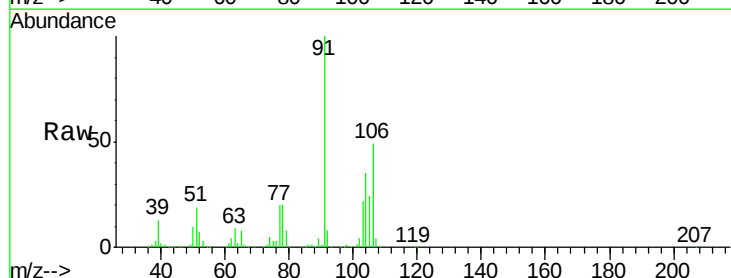
Manual Integrations
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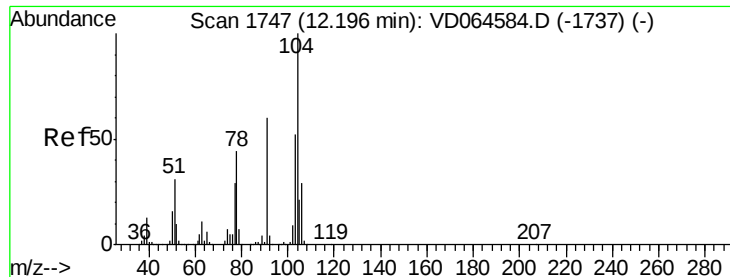
MMDadoda
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#69
o-Xylene
Concen: 21.109 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.6	104.8	314.4		





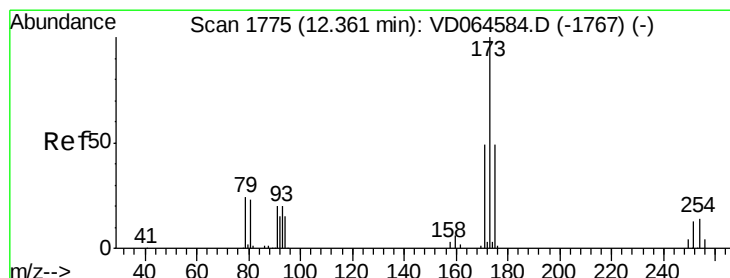
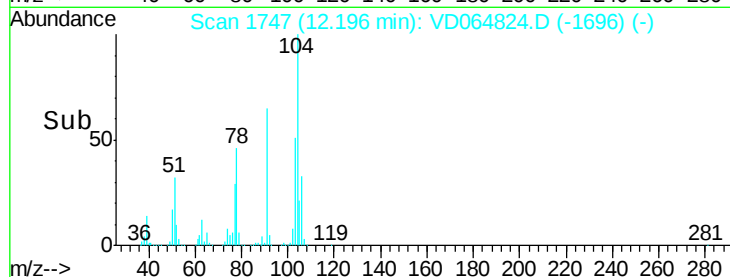
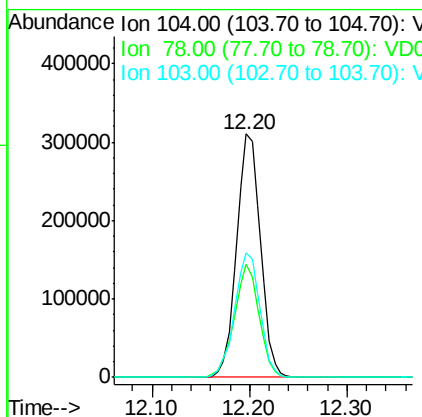
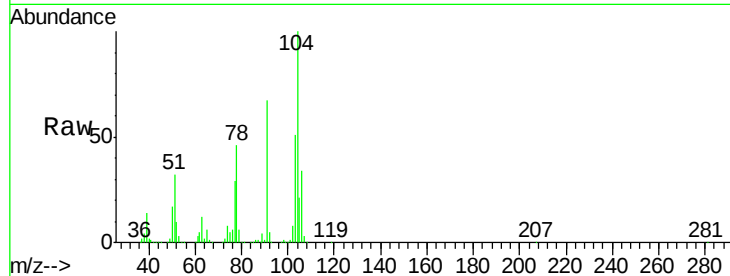
#70
Stvrene
Concen: 20.833 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.2	57.2
103	54.5	44.6	67.0

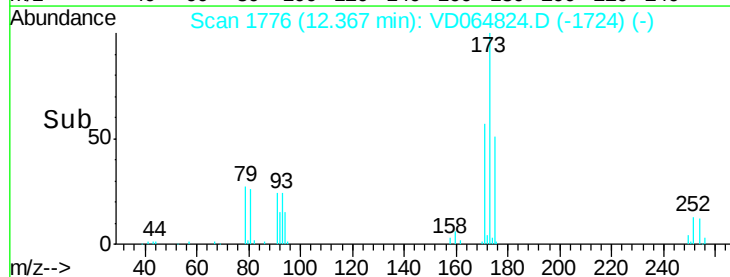
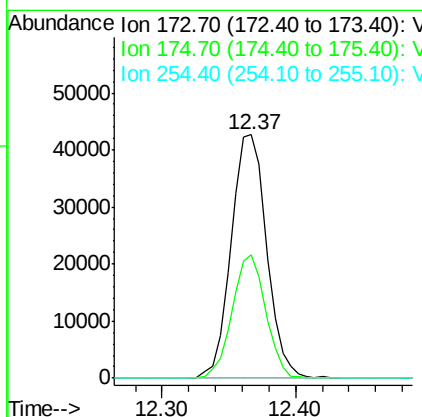
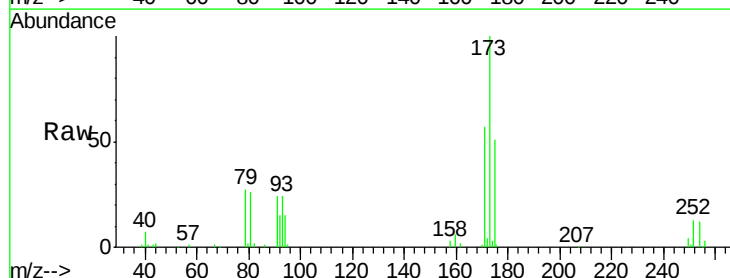
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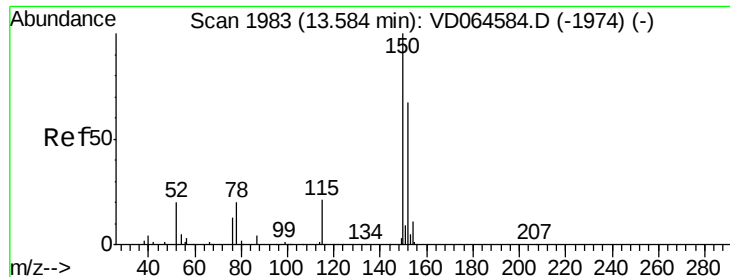
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#71
Bromoform
Concen: 16.133 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.8
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

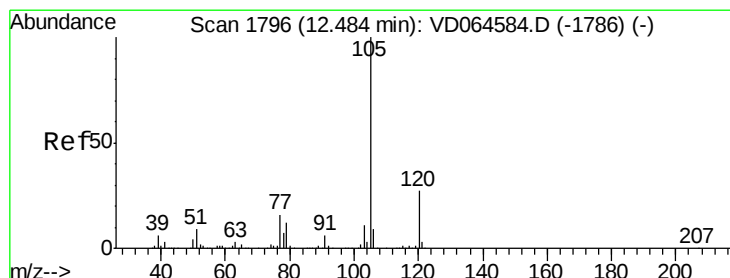
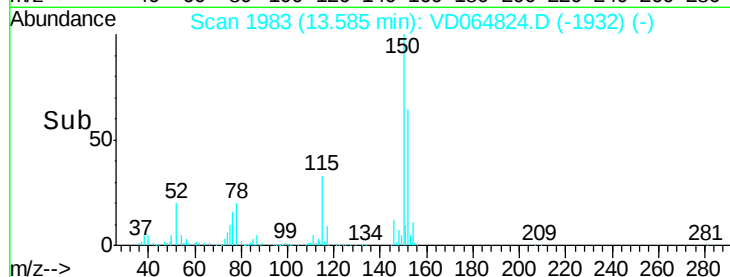
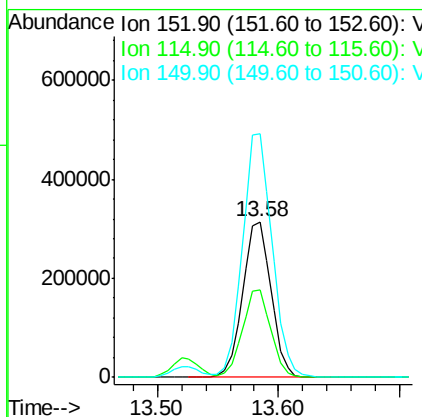
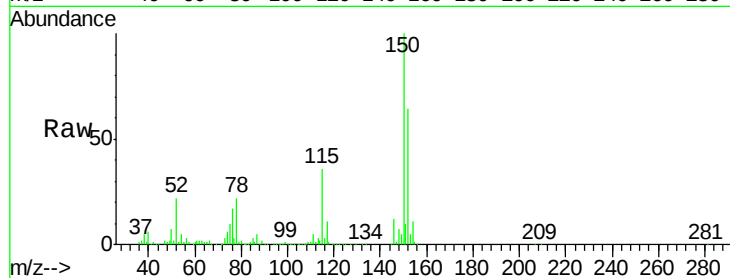
ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:	152	Resp:	515837
Ion Ratio	Lower	Upper	
152	100		
115	56.0	27.8	83.4
150	164.4	0.0	351.4

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#73

Isopropylbenzene

Concen: 22.270 ug/l

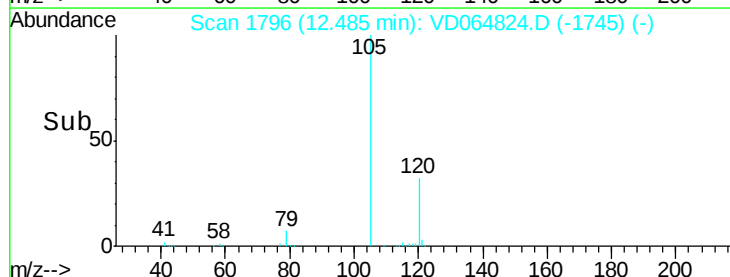
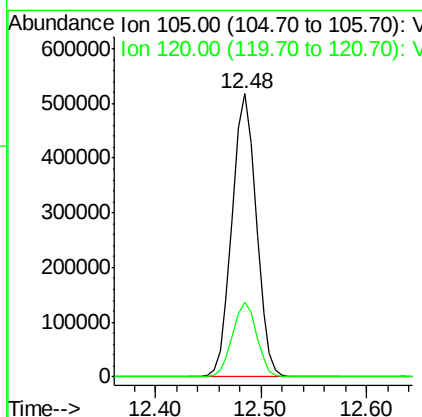
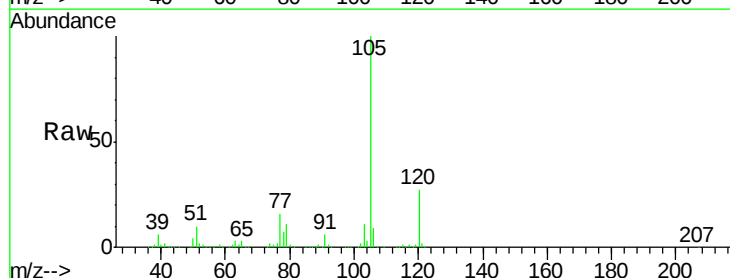
RT: 12.48 min Scan# 1796

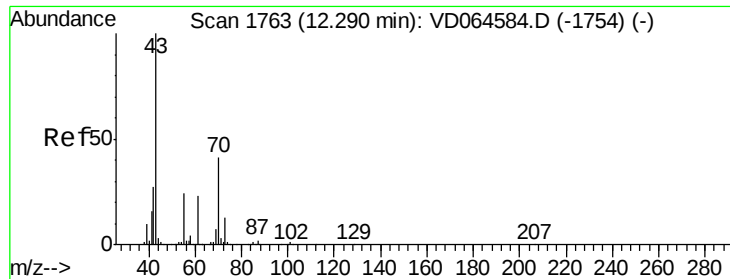
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	105	Resp:	820952
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.5	40.5





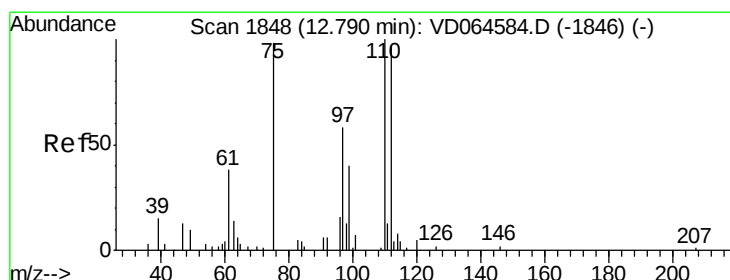
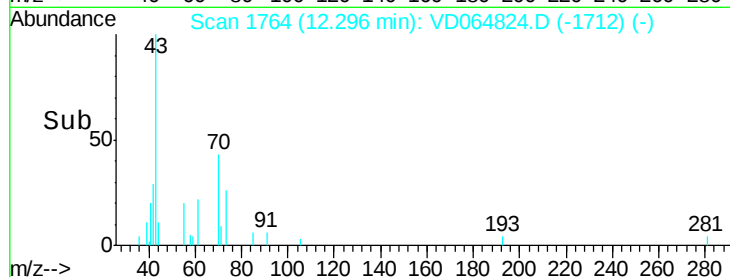
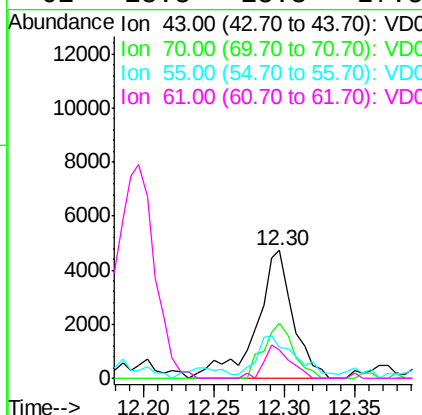
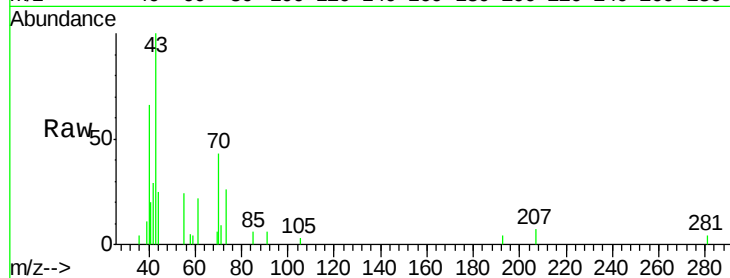
#74
N-amvl acetate
Concen: 1.087 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	35.6	33.4	50.0
55	32.1	19.4	29.0
61	18.3	18.3	27.5

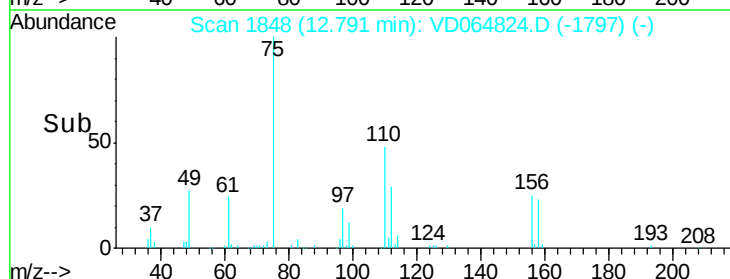
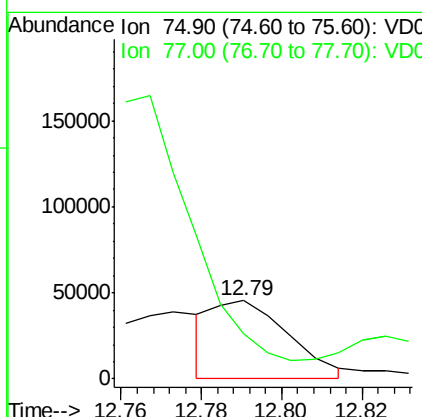
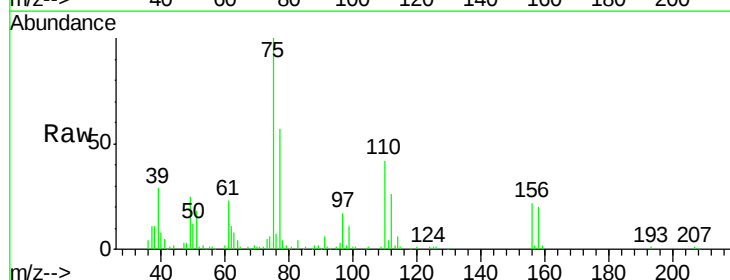
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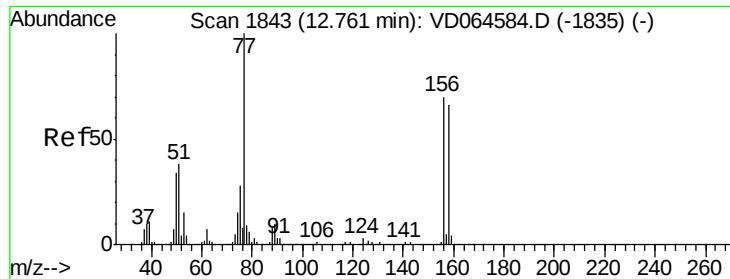
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#76
1,2,3-Trichloropropane
Concen: 14.543 ug/l m
RT: 12.79 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.336 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

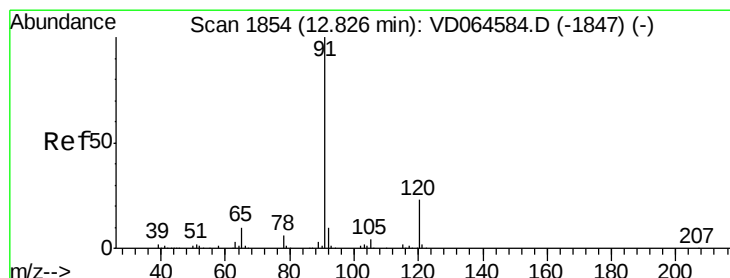
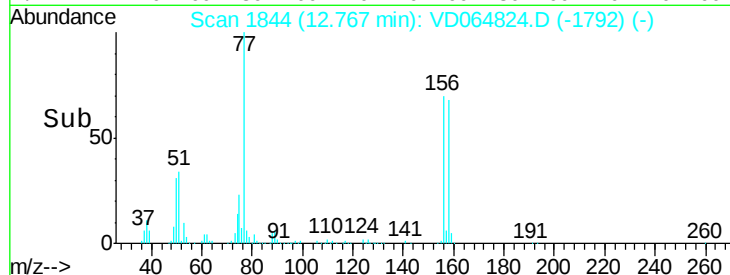
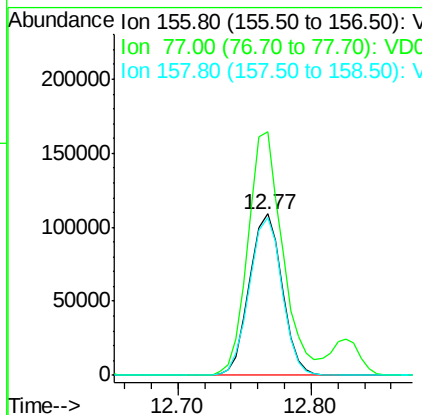
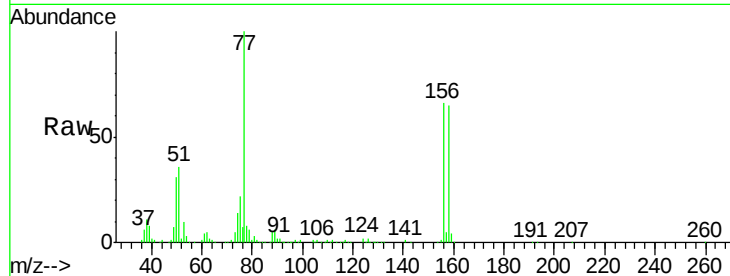
ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:	156	Resp:	184197
Ion Ratio	Lower	Upper	
156	100		
77	159.6	80.9	242.7
158	97.4	48.0	144.2

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#78

n-propylbenzene

Concen: 22.003 ug/l

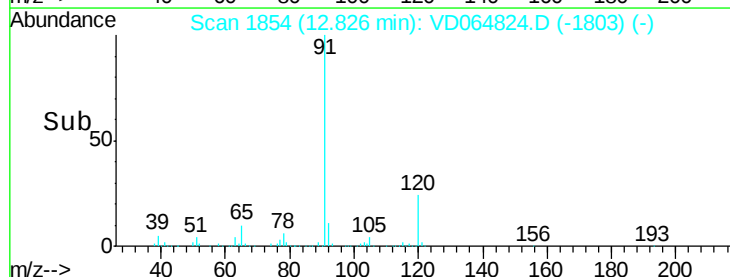
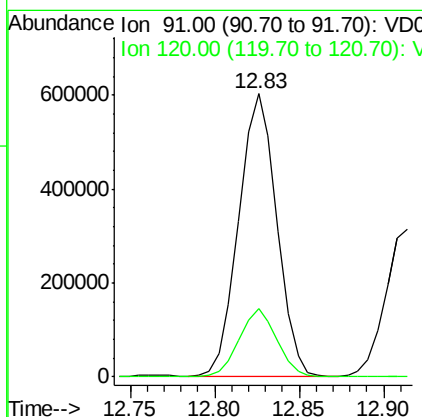
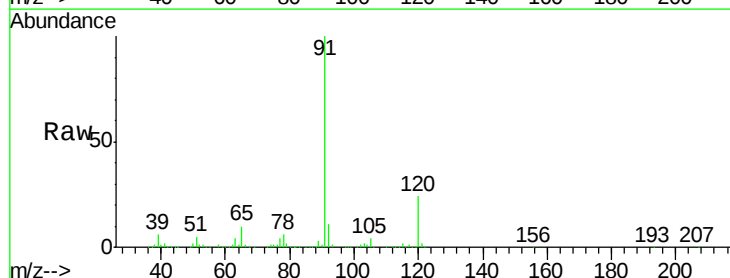
RT: 12.83 min Scan# 1854

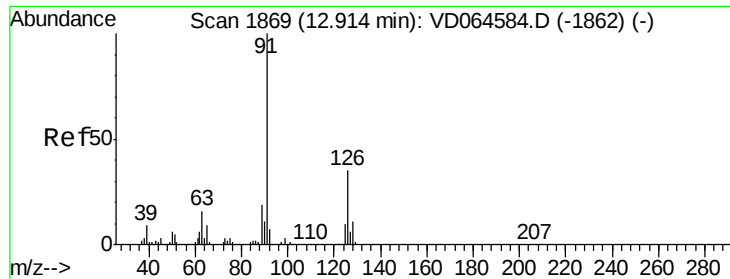
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	91	Resp:	946259
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.9





#79

2-Chlorotoluene

Concen: 21.990 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 91 Resp: 519512

Ion Ratio Lower Upper

91 100

126 36.4

17.8

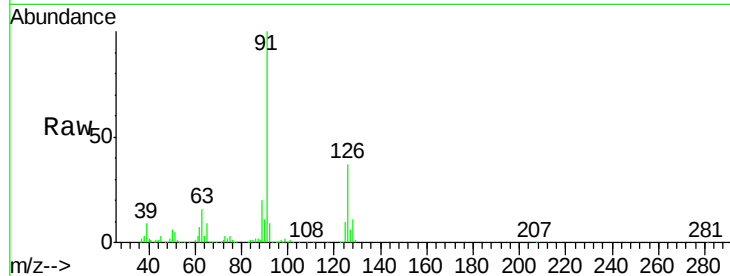
53.5

Manual Integrations

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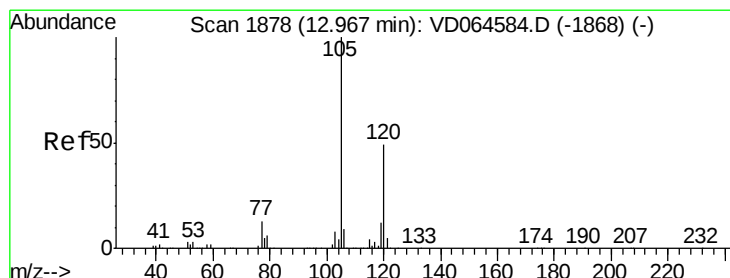
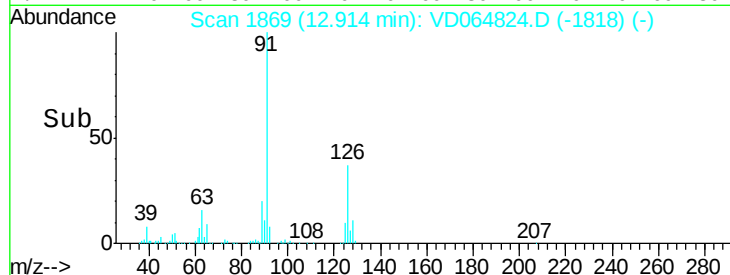
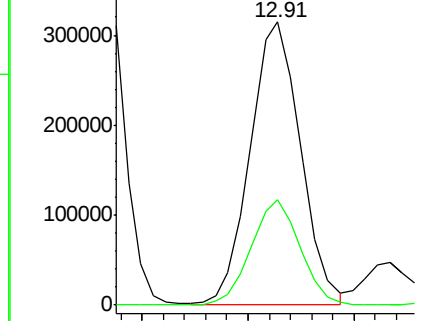
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD064824.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064824.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.917 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion: 105 Resp: 663673

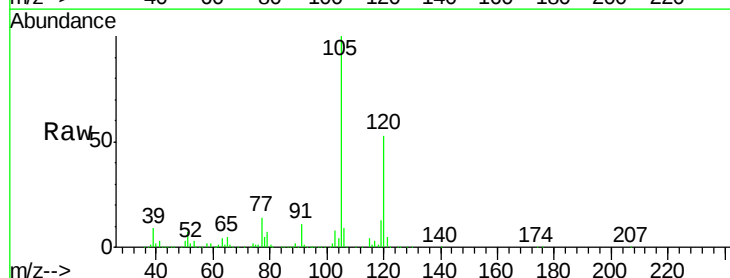
Ion Ratio Lower Upper

105 100

120 51.0

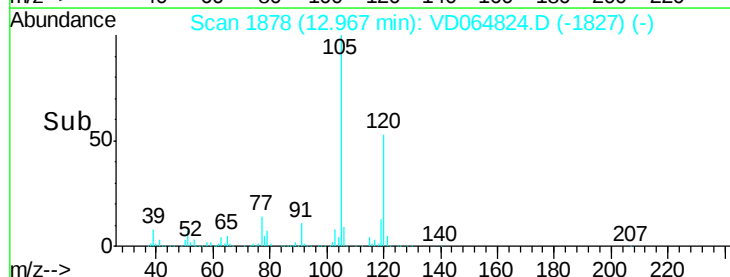
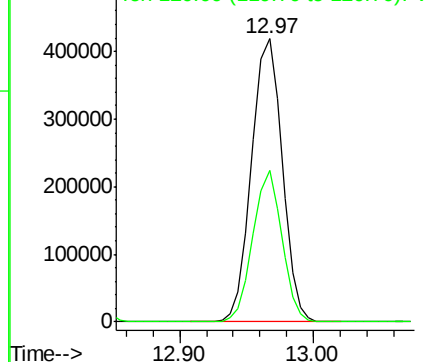
25.0

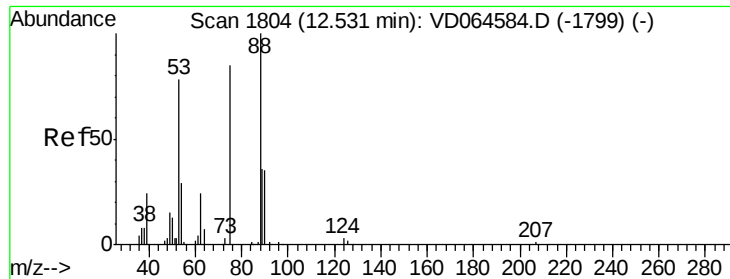
75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064824.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064824.D (-1827) (-)





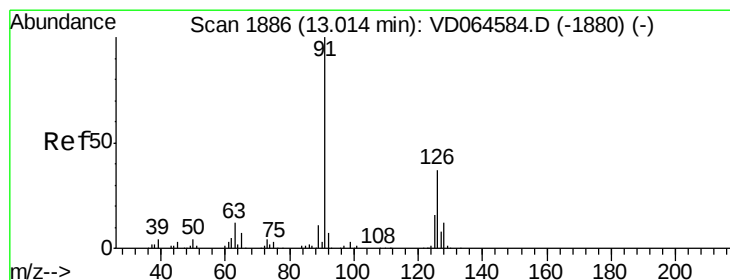
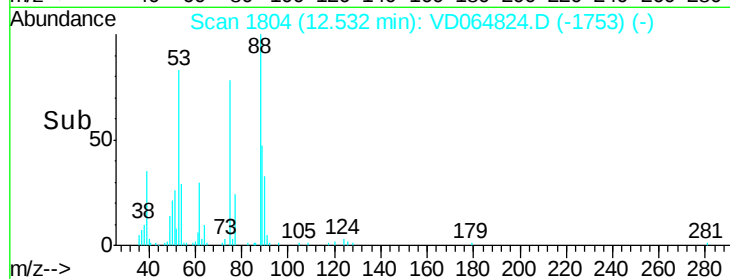
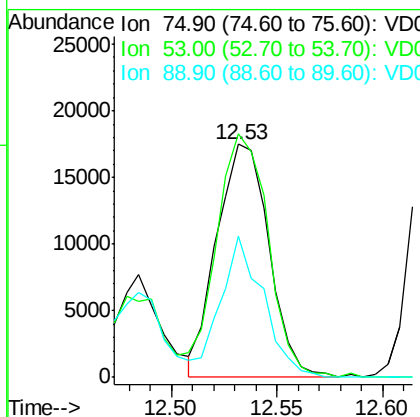
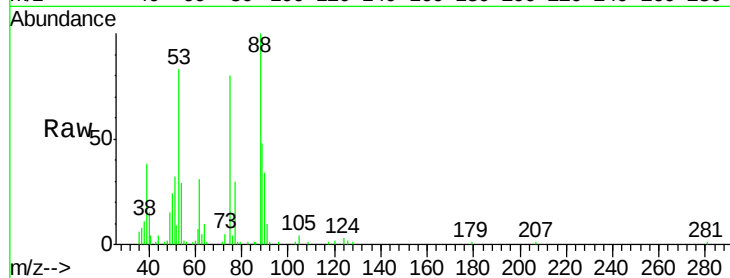
#81
trans-1,4-Dichloro-2-butene
Concen: 15.412 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.5	78.8	118.2
89	49.7	38.3	57.5

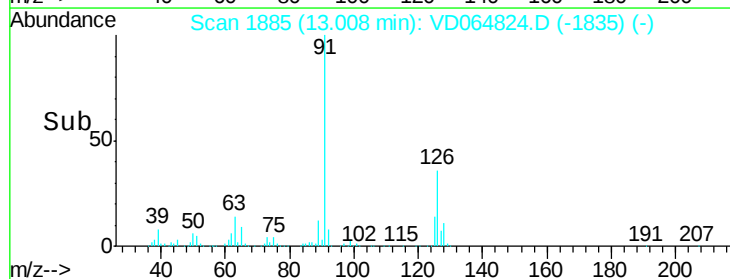
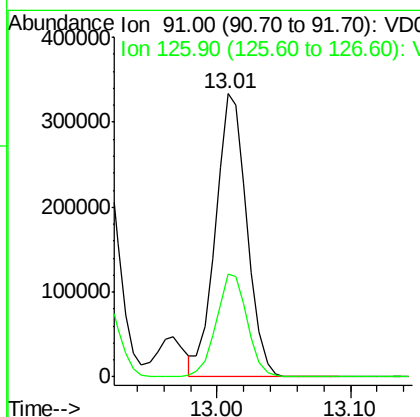
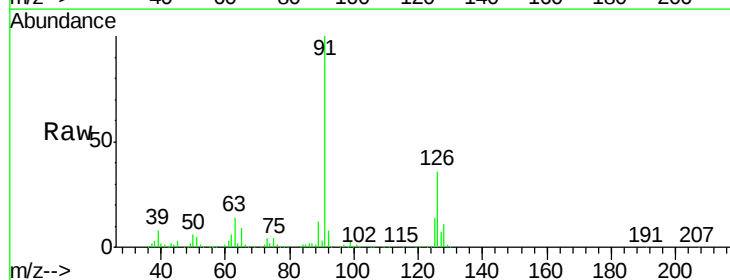
Manual Integrations
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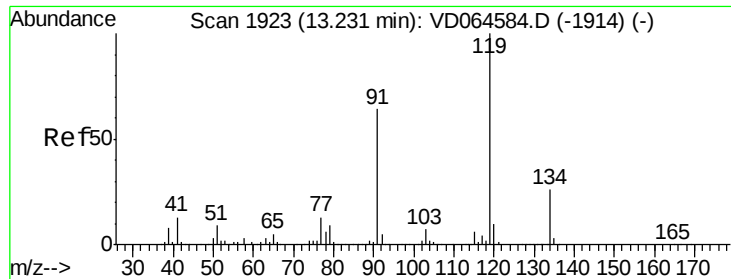
MMDadoda
1/10/2020 10:42:19 AM



#82
4-Chlorotoluene
Concen: 21.813 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.5





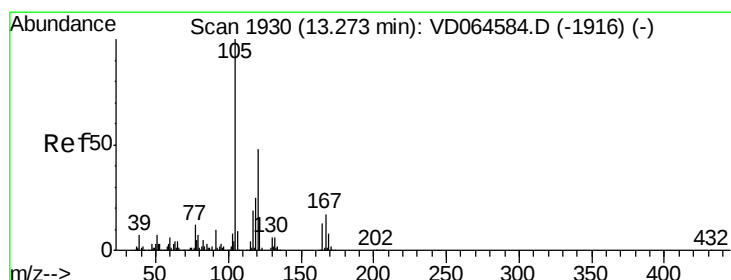
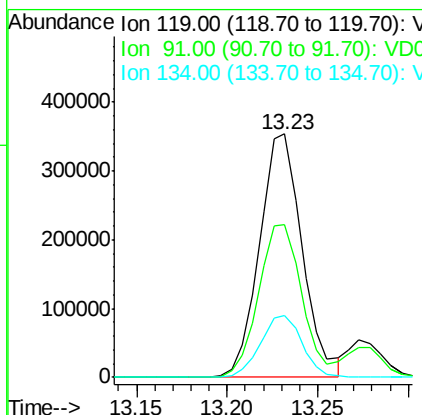
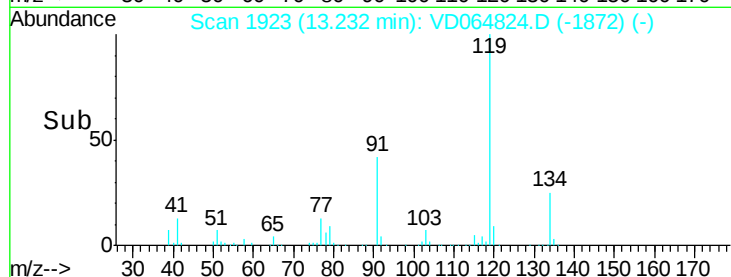
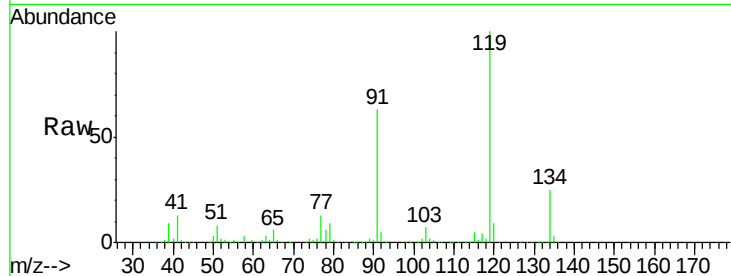
#83
tert-Butylbenzene
Concen: 22.104 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	581142		
91	63.2	30.8	92.4	
134	24.9	12.8	38.3	

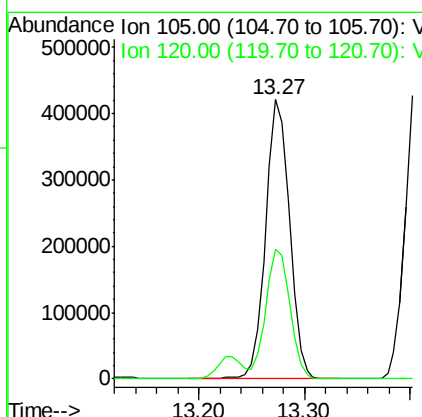
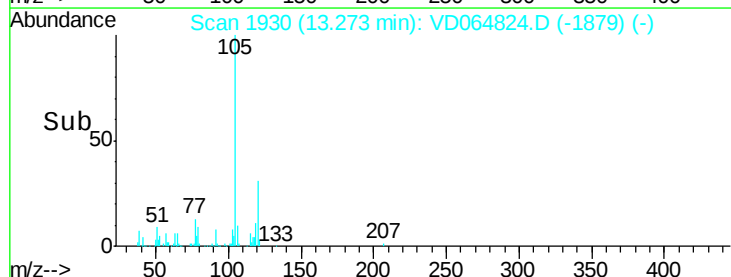
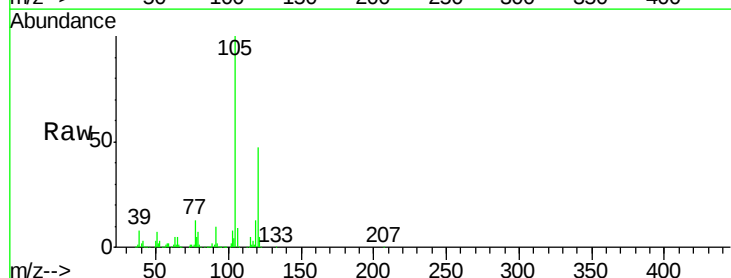
Manual Integrations
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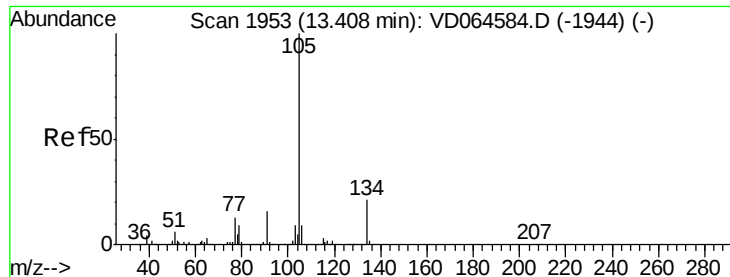
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#84
1,2,4-Trimethylbenzene
Concen: 21.985 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	663029		
120	46.3	23.8	71.2	





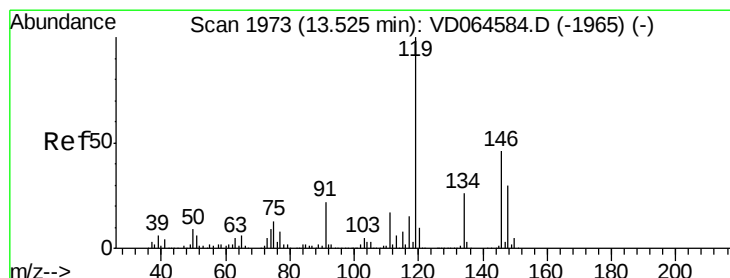
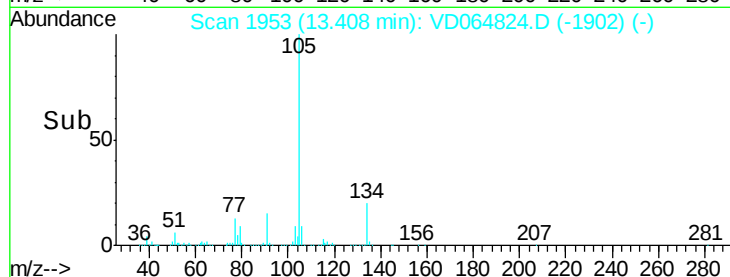
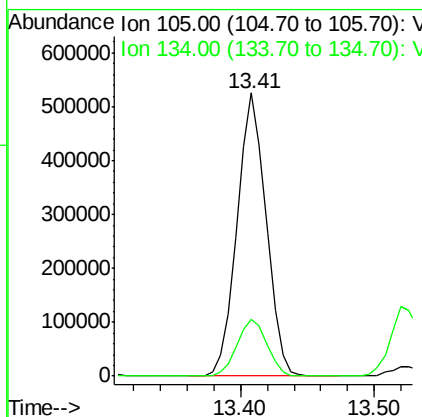
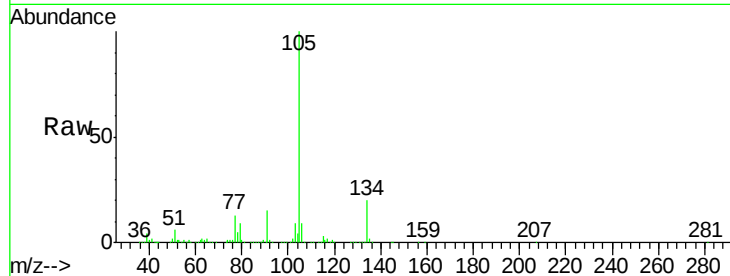
#85
 sec-Butylbenzene
 Concen: 21.954 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.6	31.8

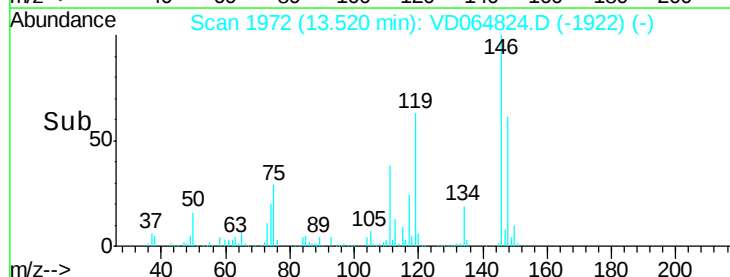
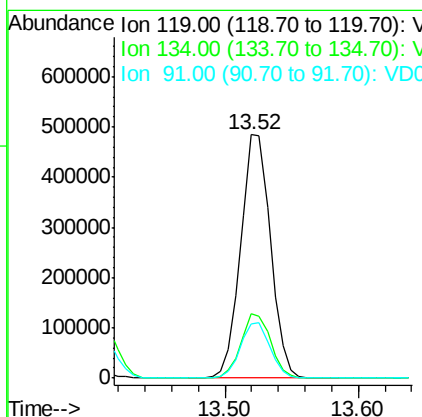
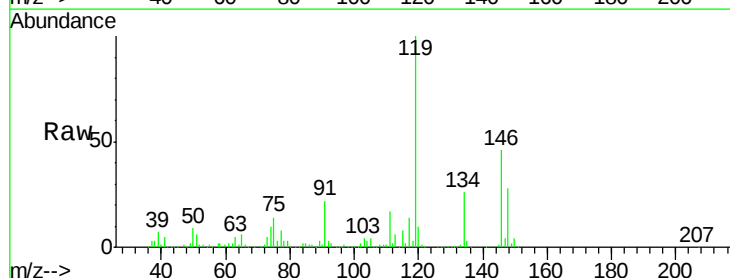
Manual Integrations
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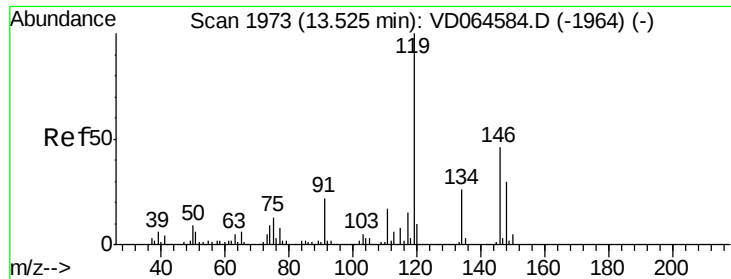
MMDadoda
 1/10/2020 10:42:19 AM



#86
 p-Isopropyltoluene
 Concen: 21.646 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	22.6	11.2	33.6





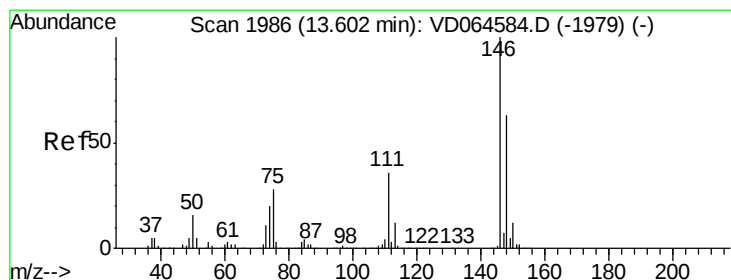
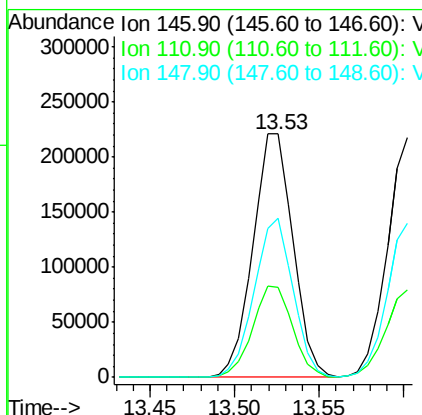
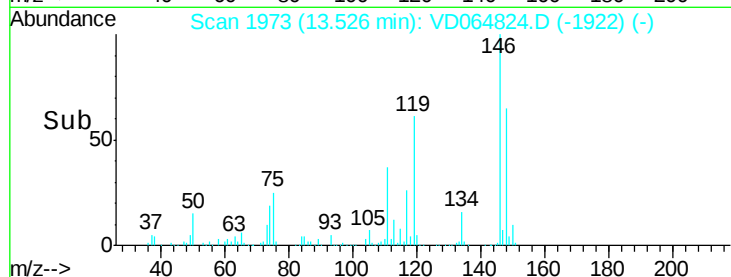
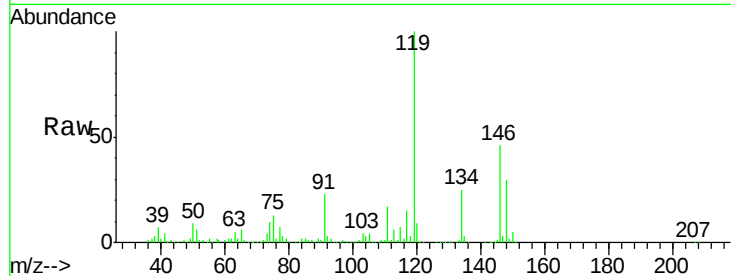
#87
 1,3-Dichlorobenzene
 Concen: 21.143 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	365084		
111	37.5	18.8	56.4	
148	63.2	32.5	97.5	

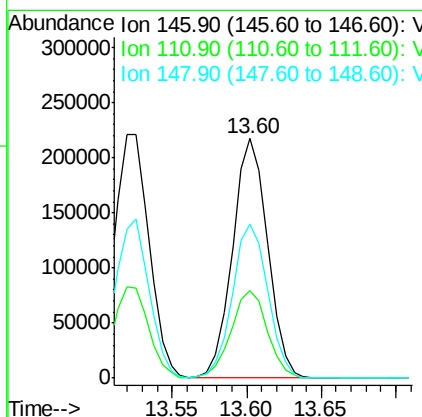
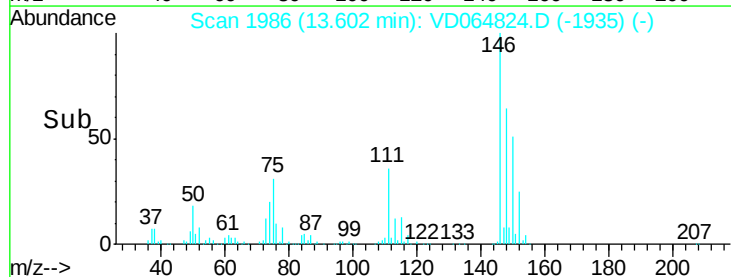
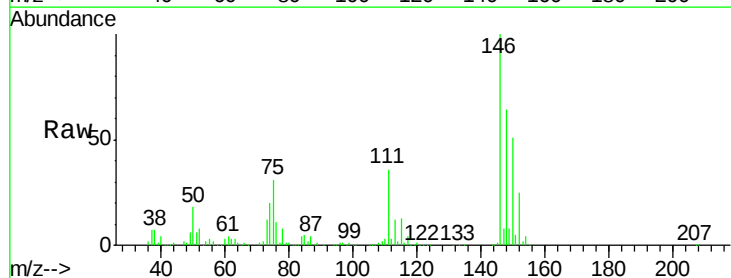
Manual Integrations
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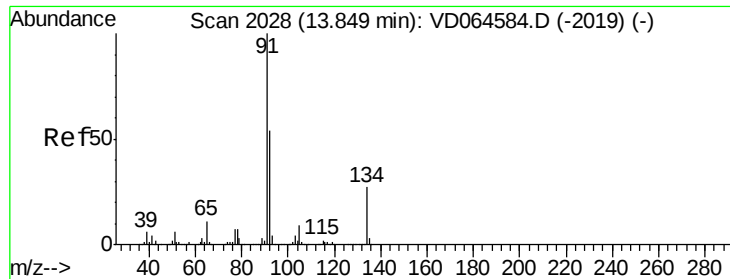
MMDadoda
 1/10/2020 10:42:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.989 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	356027		
111	38.0	18.1	54.1	
148	65.3	32.3	96.9	





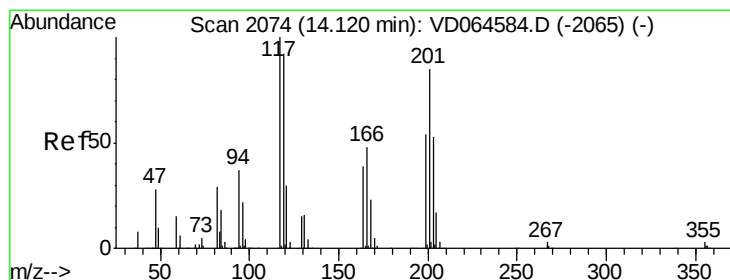
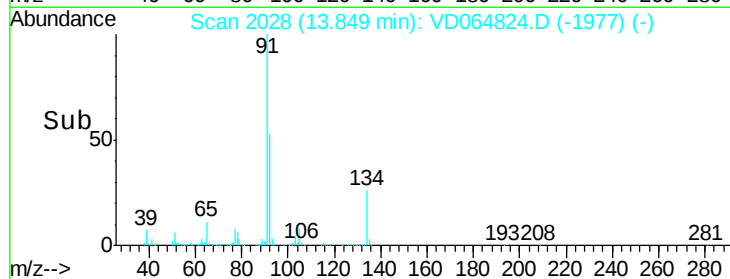
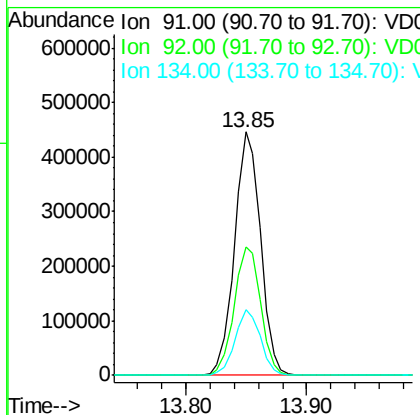
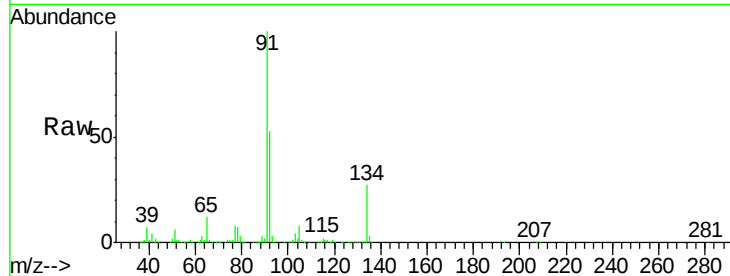
#89
n-Butylbenzene
Concen: 21.611 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	26.6	14.0	41.9

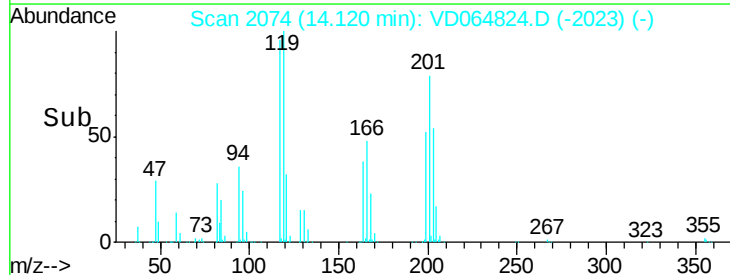
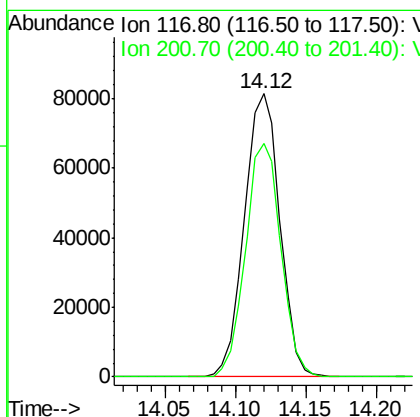
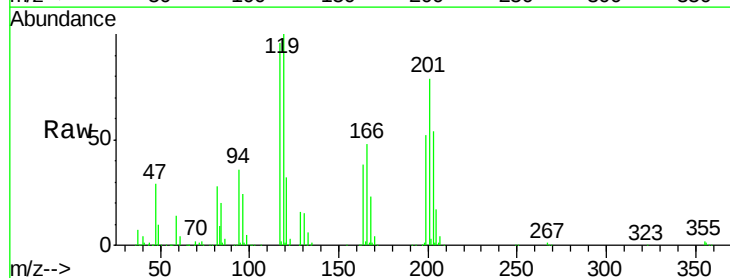
Manual Integrations
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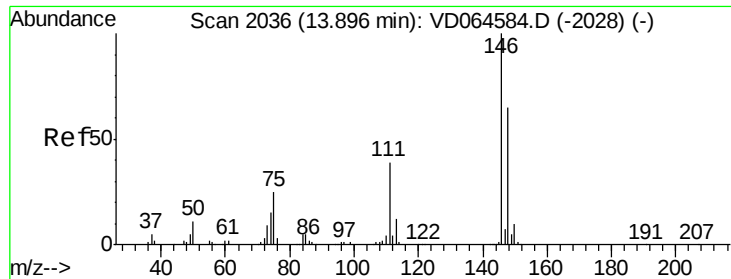
MMDadoda
1/10/2020 10:42:19 AM



#90
Hexachloroethane
Concen: 21.780 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	44.0	131.8





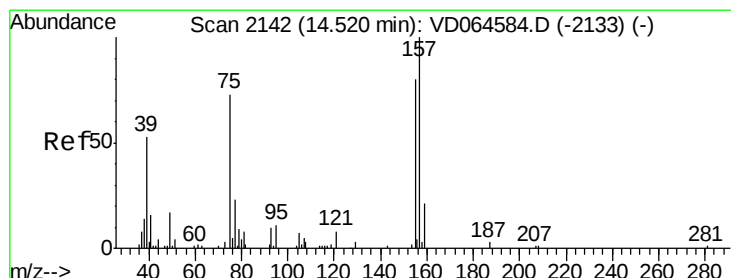
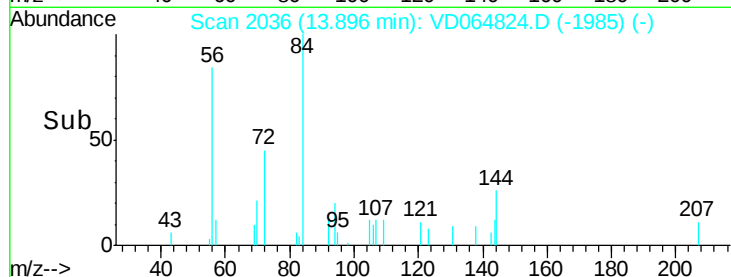
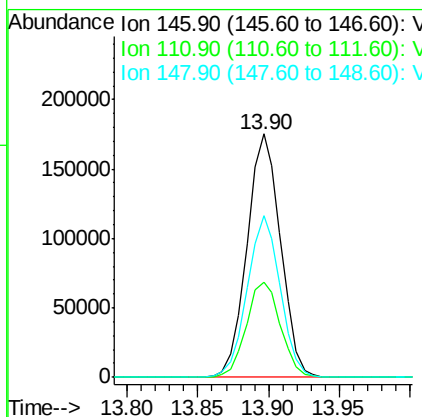
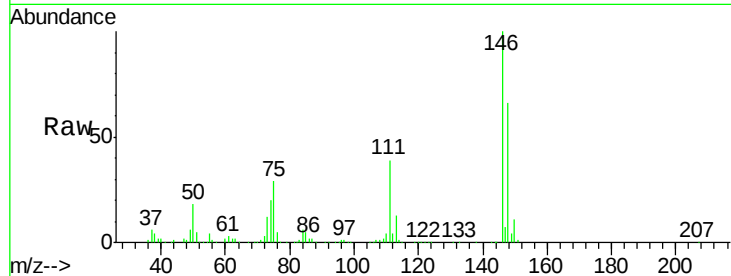
#91
 1,2-Dichlorobenzene
 Concen: 19.865 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	65.4	31.9	95.5

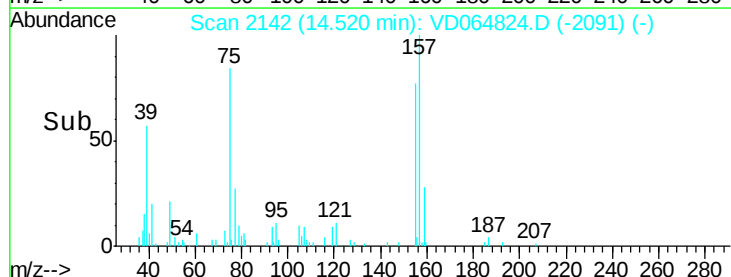
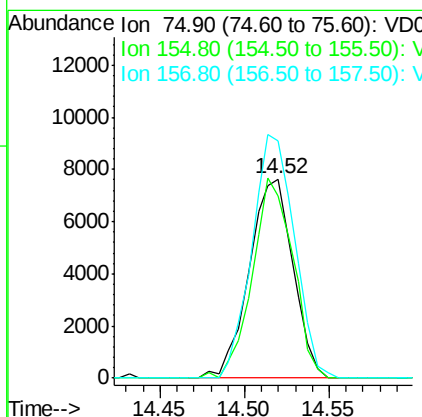
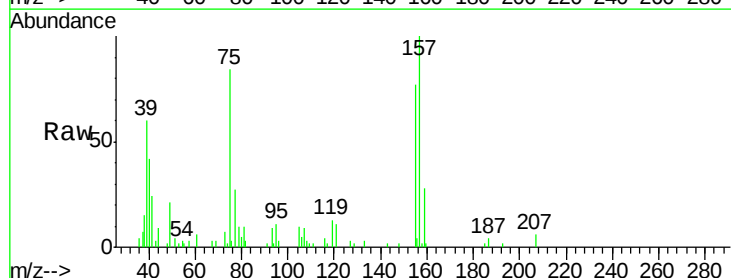
Manual Integrations
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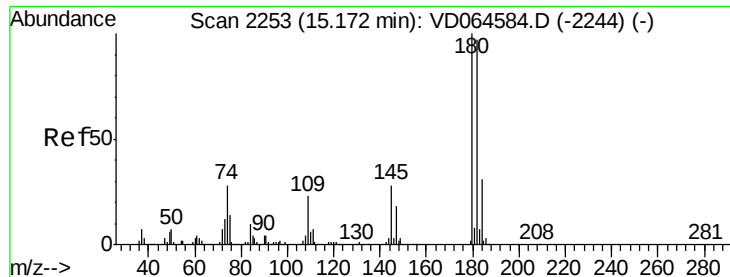
MMDadoda
 1/10/2020 10:42:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.645 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	48.0	144.0
157	119.1	64.1	192.3





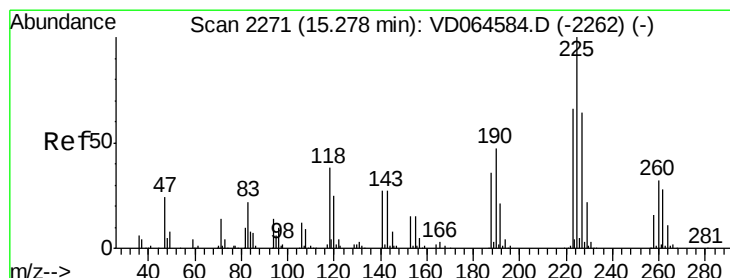
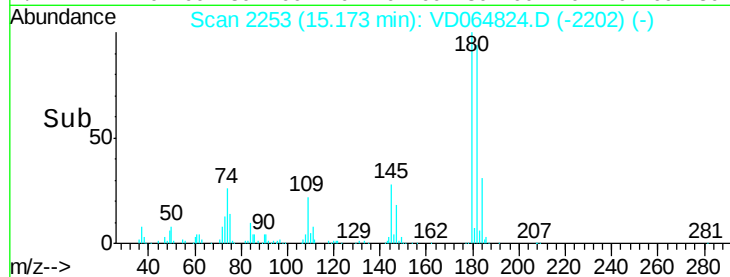
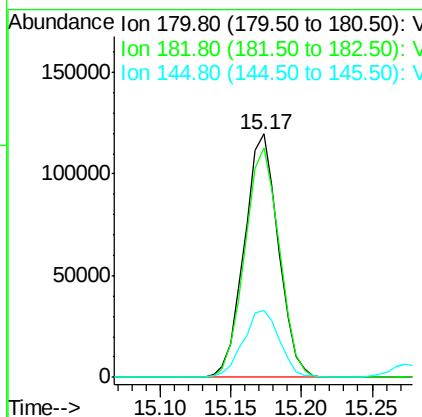
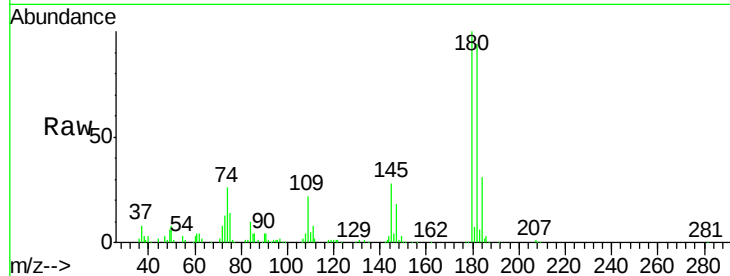
#93
 1,2,4-Trichlorobenzene
 Concen: 18.713 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	202871		
182	95.9	48.0	144.2	
145	29.5	13.8	41.4	

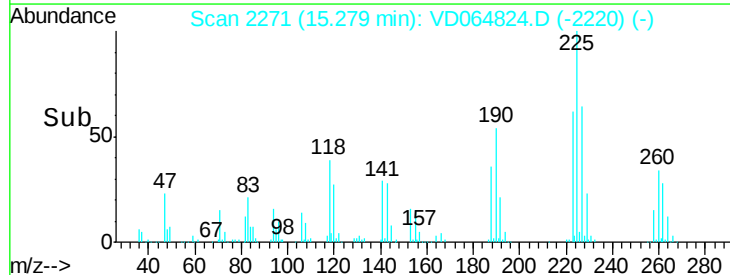
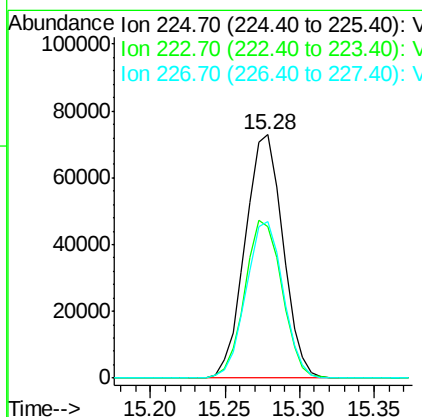
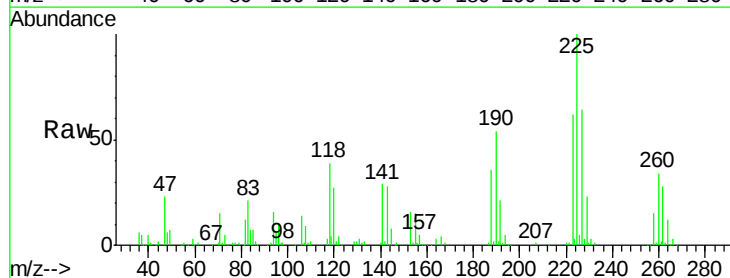
Manual Integrations
 APPROVED

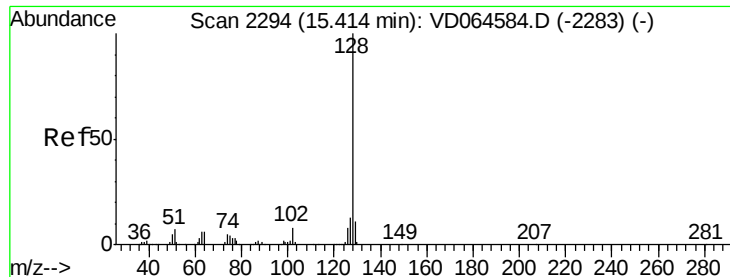
MMDadoda
 1/10/2020 10:42:19 AM



#94
 Hexachlorobutadiene
 Concen: 18.772 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128066		
223	63.7	31.1	93.2	
227	62.9	30.9	92.7	





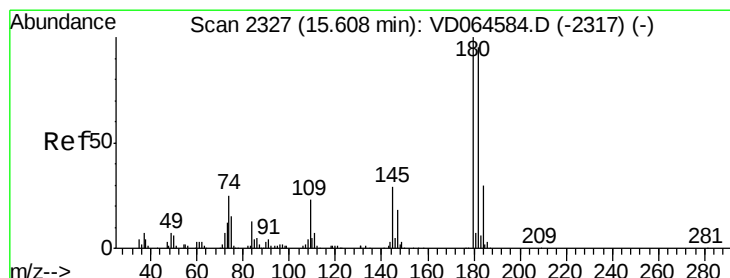
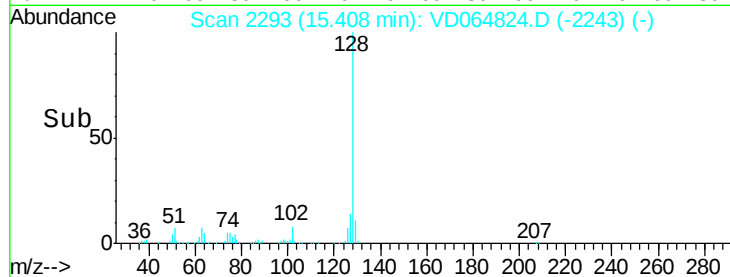
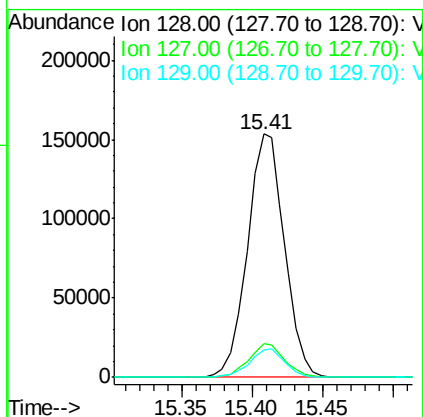
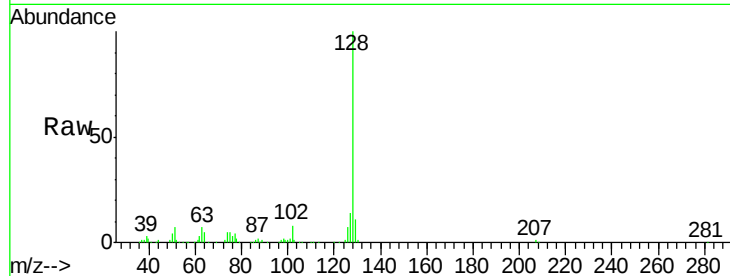
#95
Naphthalene
Concen: 16.431 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion:	128	Resp:	281810
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	11.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:42:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.200 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion:	180	Resp:	168443
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.7
145	30.3	14.9	44.7

