

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064932.D
 Acq On : 23 Jan 2020 12:49
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:02:00 PM

Quant Time: Jan 23 13:18:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	481138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	693947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	621125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316958	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	462008	107.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.02%	
35) Dibromofluoromethane	7.92	113	439954	102.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.24%	
50) Toluene-d8	10.34	98	1778983	107.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.36%	
62) 4-Bromofluorobenzene	12.64	95	547000	105.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	372517	100.102	ug/l	99
3) Chloromethane	2.21	50	512811	98.220	ug/l	97
4) Vinyl Chloride	2.35	62	608251	96.052	ug/l	99
5) Bromomethane	2.76	94	400388	88.132	ug/l	100
6) Chloroethane	2.92	64	398950	94.959	ug/l	95
7) Trichlorofluoromethane	3.27	101	939961	89.627	ug/l	98
8) Diethyl Ether	3.71	74	213831	100.629	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	437806	99.230	ug/l	99
10) Methyl Iodide	4.30	142	537122	113.705	ug/l	99
11) Tert butyl alcohol	5.26	59	132400	540.766	ug/l	98
12) 1,1-Dichloroethene	4.06	96	424884	101.192	ug/l	93
13) Acrolein	3.93	56	155947	470.371	ug/l	96
14) Allyl chloride	4.71	41	702588	106.604	ug/l	98
15) Acrylonitrile	5.43	53	477311	538.489	ug/l	99
16) Acetone	4.17	43	481881	543.120	ug/l	100
17) Carbon Disulfide	4.40	76	1387619	101.575	ug/l	98
18) Methyl Acetate	4.73	43	214426	91.573	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	993625	106.238	ug/l	98
20) Methylene Chloride	4.97	84	458184	90.886	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	495244	103.027	ug/l	98
22) Diisopropyl ether	6.37	45	1420029	108.066	ug/l	97
23) Vinyl Acetate	6.31	43	4330481	579.303	ug/l	99
24) 1,1-Dichloroethane	6.27	63	825680	104.523	ug/l	98
25) 2-Butanone	7.23	43	665776	565.121	ug/l	99
26) 2,2-Dichloropropane	7.21	77	755157	103.198	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	532562	103.262	ug/l	100
28) Bromochloromethane	7.55	49	343110	109.995	ug/l	98
29) Tetrahydrofuran	7.57	42	401876	552.665	ug/l	99
30) Chloroform	7.71	83	852133	103.017	ug/l	98
31) Cyclohexane	7.99	56	782596	98.939	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	800223	103.036	ug/l	99
36) 1,1-Dichloropropene	8.12	75	706152	105.700	ug/l	99
37) Ethyl Acetate	7.30	43	287547	110.342	ug/l	99
38) Carbon Tetrachloride	8.10	117	737781	103.882	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	849873	105.585	ug/l	98
40) Benzene	8.36	78	1956813	107.218	ug/l	99
41) Methacrylonitrile	7.53	41	134276	87.928	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	560620	105.865	ug/l	99
43) Isopropyl Acetate	8.46	43	562209	108.275	ug/l	99
44) Trichloroethene	9.11	130	539816	101.725	ug/l	97
45) 1,2-Dichloropropane	9.39	63	459759	105.700	ug/l	97
46) Dibromomethane	9.48	93	249219	103.584	ug/l	99
47) Bromodichloromethane	9.67	83	659958	102.911	ug/l	100
48) Methyl methacrylate	9.46	41	263647	108.508	ug/l	97
49) 1,4-Dioxane	9.47	88	59172	2099.547	ug/l	91
51) 4-Methyl-2-Pentanone	10.24	43	1453202	562.278	ug/l	100
52) Toluene	10.41	92	1303597	109.322	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	658107	109.455	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	762675	107.882	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	338608	103.770	ug/l	97
56) Ethyl methacrylate	10.67	69	458196	112.709	ug/l	99
57) 1,3-Dichloropropane	10.95	76	588099	104.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	630066	418.308	ug/l	99
59) 2-Hexanone	10.99	43	1025065	582.957	ug/l	100
60) Dibromochloromethane	11.14	129	461022	102.852	ug/l	98
61) 1,2-Dibromoethane	11.25	107	332587	103.922	ug/l	98
64) Tetrachloroethene	10.88	164	465688	98.753	ug/l	98
65) Chlorobenzene	11.67	112	1318421	103.737	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	501822	104.242	ug/l	98
67) Ethyl Benzene	11.75	91	2472383	106.625	ug/l	98
68) m/p-Xylenes	11.86	106	1925091	215.622	ug/l	99
69) o-Xylene	12.18	106	854654	106.198	ug/l	98
70) Styrene	12.20	104	1535774	108.083	ug/l	99
71) Bromoform	12.37	173	278288	101.967	ug/l #	98
73) Isopropylbenzene	12.48	105	2333560	103.850	ug/l	99
74) N-amyl acetate	12.30	43	528409	109.717	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	360183	101.378	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	242210m	92.887	ug/l	
77) Bromobenzene	12.77	156	540660	98.191	ug/l	99
78) n-propylbenzene	12.83	91	2733674	103.948	ug/l	100
79) 2-Chlorotoluene	12.91	91	1479912	102.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1928583	104.763	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	129426	107.826	ug/l	97
82) 4-Chlorotoluene	13.01	91	1568889	102.275	ug/l	99
83) tert-Butylbenzene	13.23	119	1646395	103.151	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1916754	104.159	ug/l	100
85) sec-Butylbenzene	13.41	105	2289814	104.351	ug/l	99
86) p-Isopropyltoluene	13.52	119	2202854	105.122	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1075817	102.478	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1020147	99.036	ug/l	100
89) n-Butylbenzene	13.85	91	1979887	104.435	ug/l	98
90) Hexachloroethane	14.12	117	395520	98.816	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	883856	98.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60194	104.733	ug/l	98

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APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	619168	94.984	ug/l	98
94) Hexachlorobutadiene	15.28	225	386111	94.236	ug/l	98
95) Naphthalene	15.41	128	1083357	104.743	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	539340	96.586	ug/l	99

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

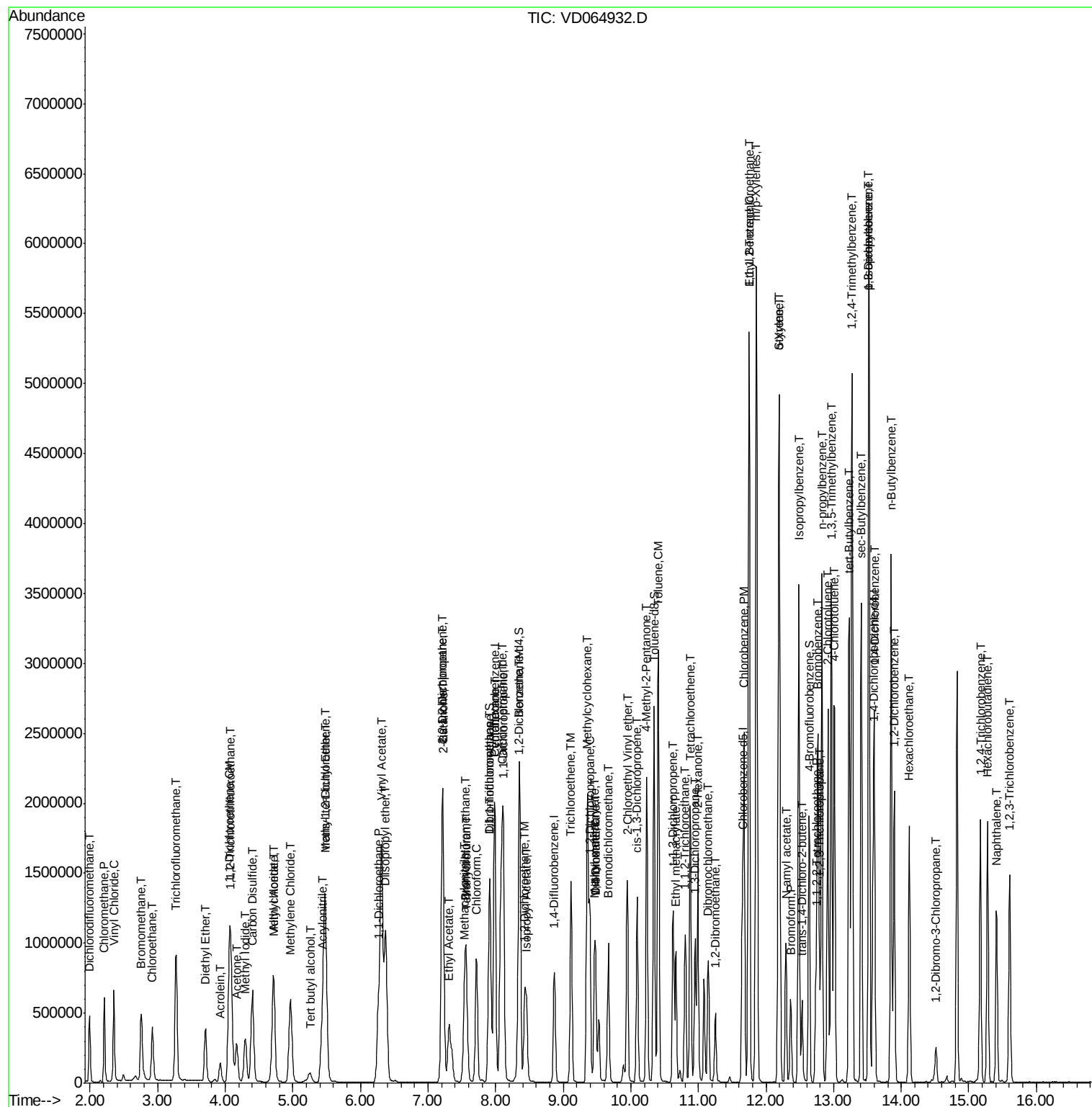
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012320\
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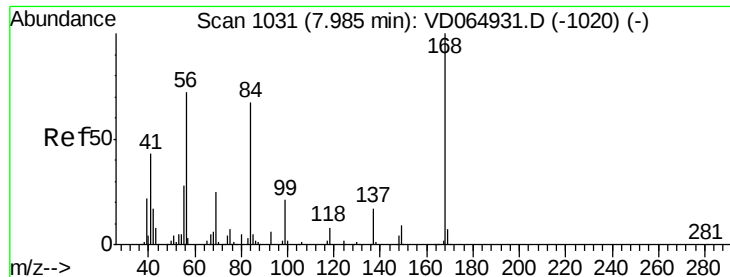
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 481138

Ion Ratio Lower Upper

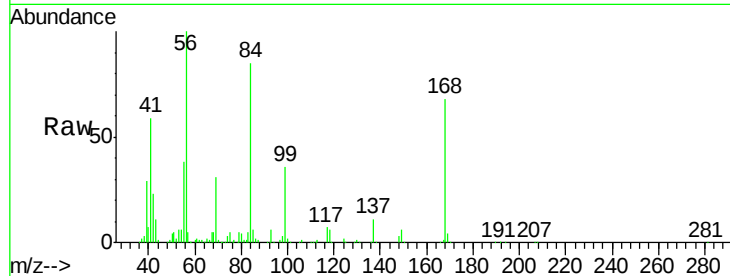
168 100

99 52.3 43.3 64.9

Manual Integrations
APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

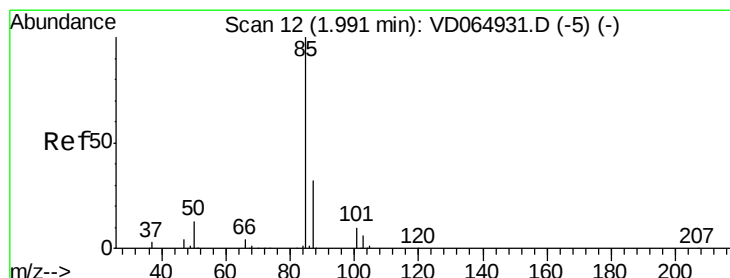
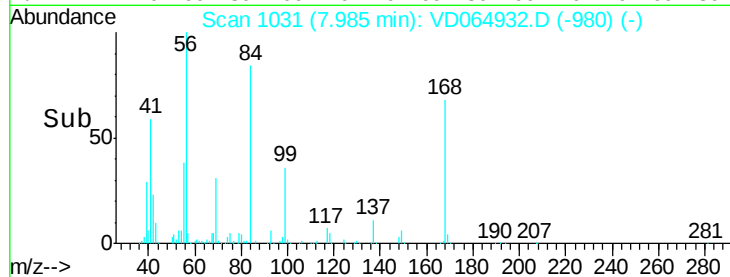
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 100.102 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064932.D

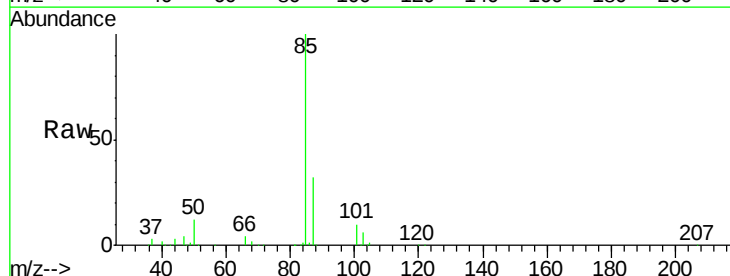
Acq: 23 Jan 2020 12:49

Tgt Ion: 85 Resp: 372517

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300000

250000

200000

150000

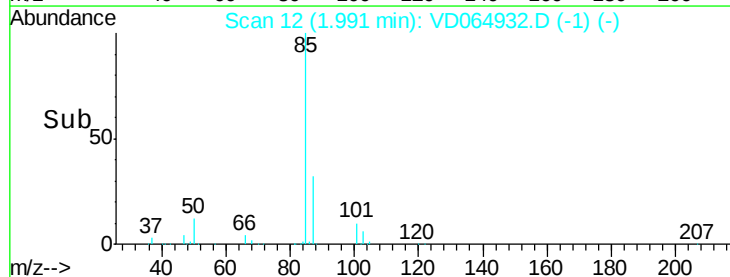
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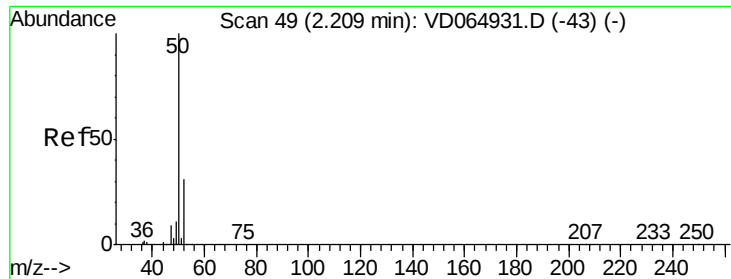
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 98.220 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 512811

Ion Ratio Lower Upper

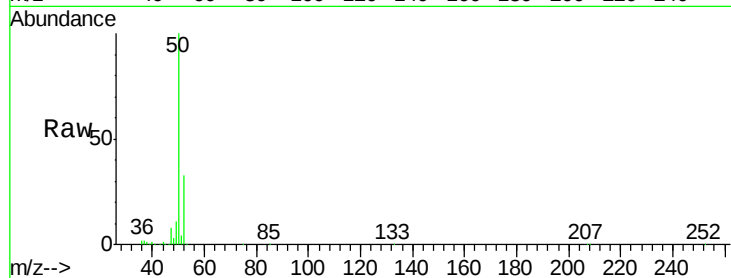
50 100

52 32.5 24.6 36.8

Manual Integrations
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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

400000

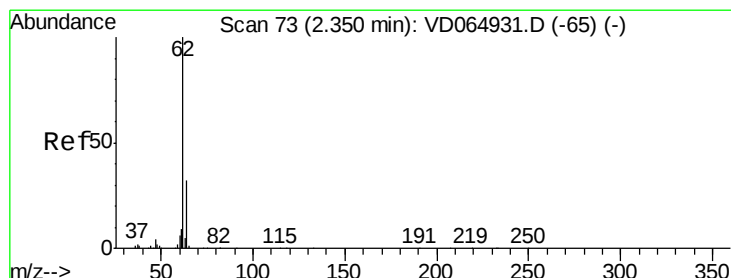
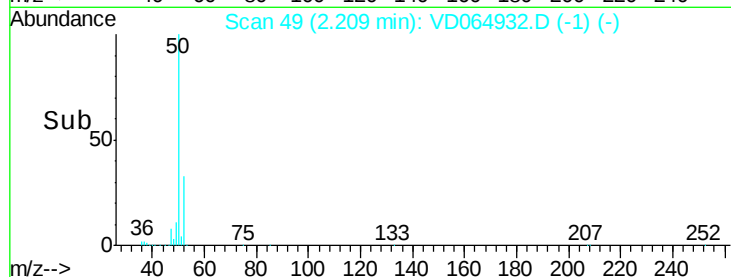
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 96.052 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064932.D

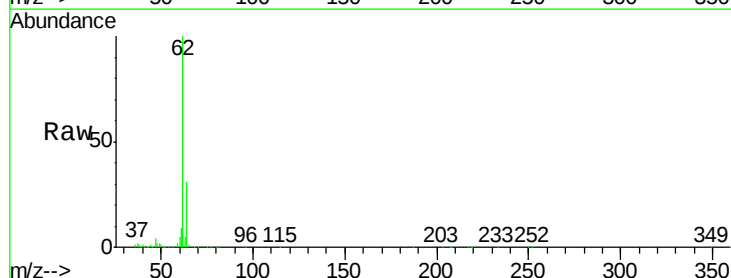
Acq: 23 Jan 2020 12:49

Tgt Ion: 62 Resp: 608251

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

400000

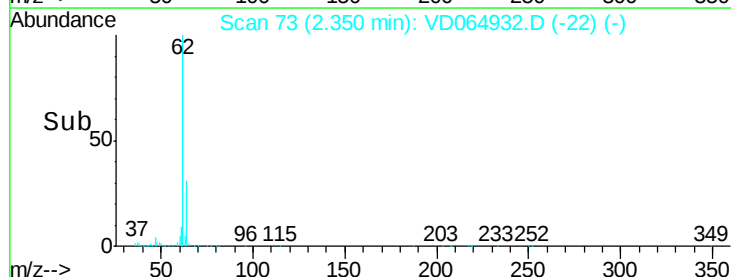
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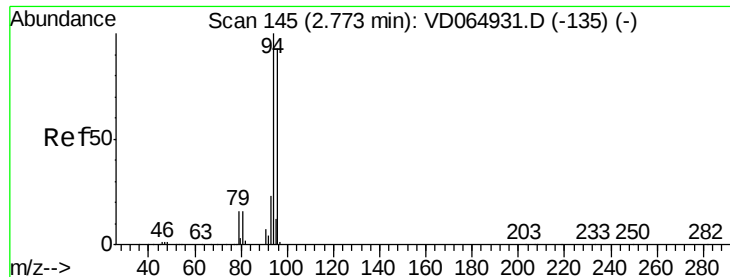
200000

100000

0

Time-->





#5

Bromomethane

Concen: 88.132 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 400388

Ion Ratio Lower Upper

94 100

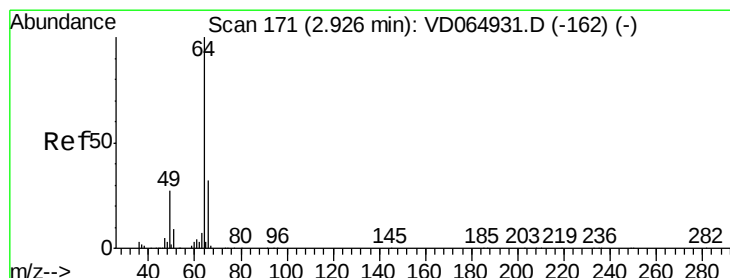
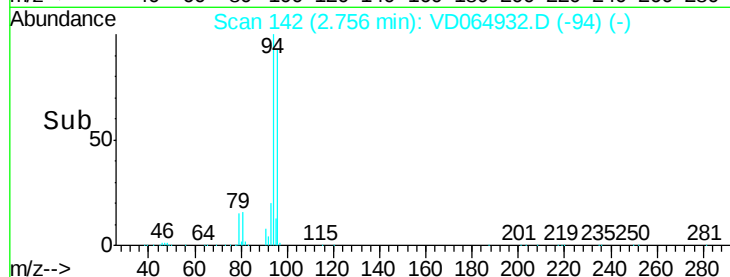
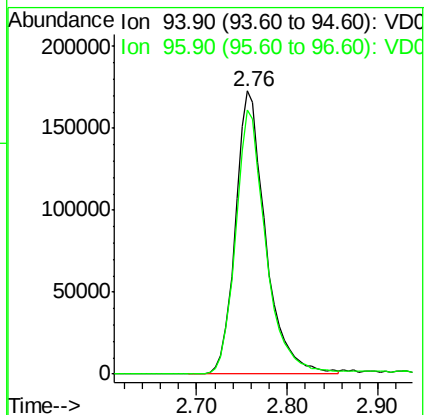
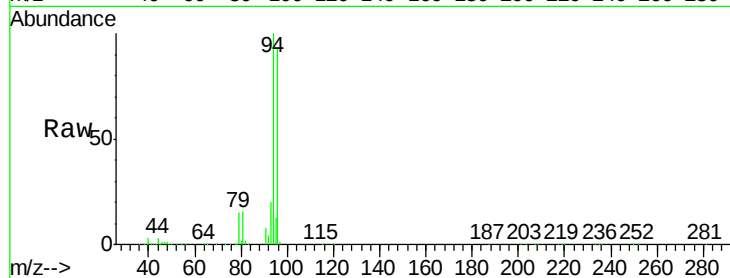
96 93.1 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 94.959 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064932.D

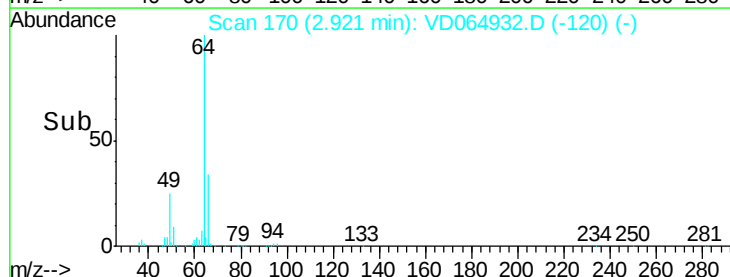
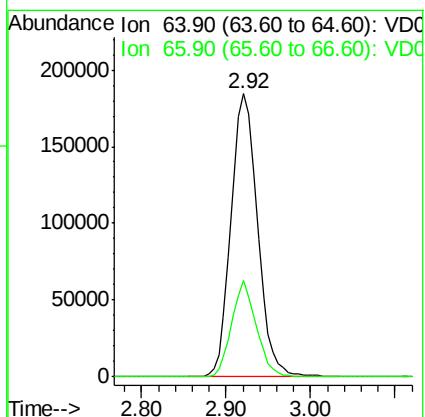
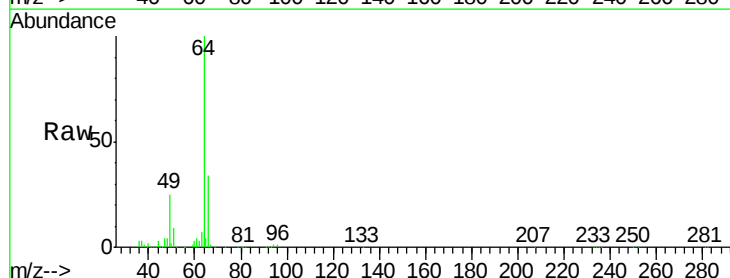
Acq: 23 Jan 2020 12:49

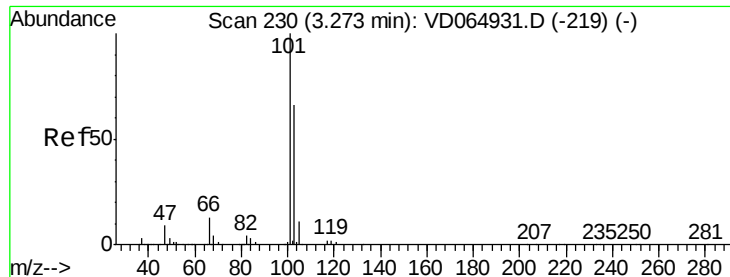
Tgt Ion: 64 Resp: 398950

Ion Ratio Lower Upper

64 100

66 34.3 25.3 37.9





#7

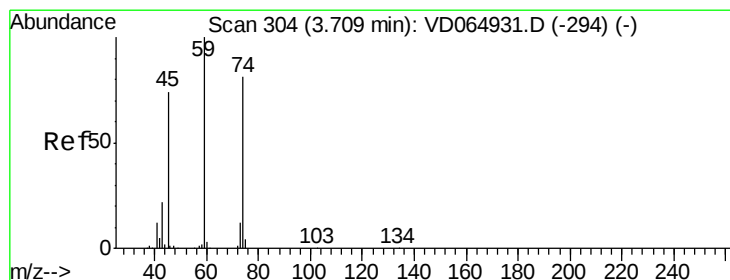
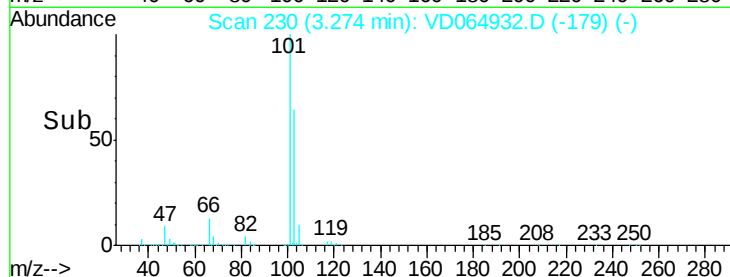
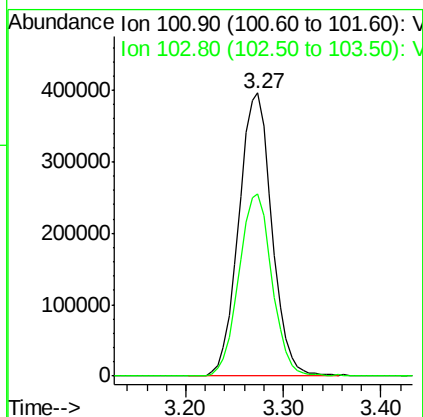
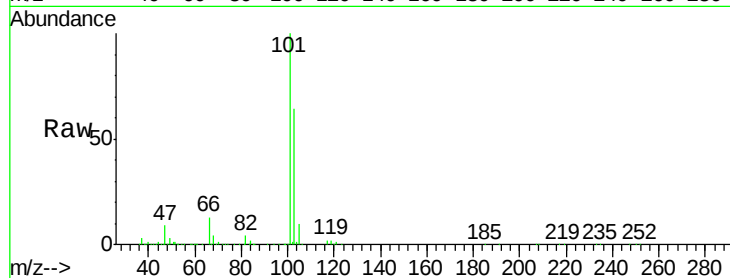
Trichlorofluoromethane
Concen: 89.627 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.5	78.7

Manual Integrations
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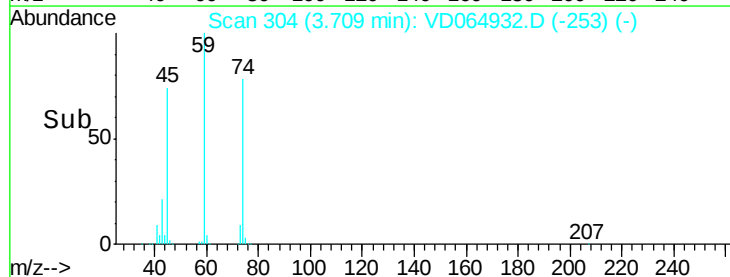
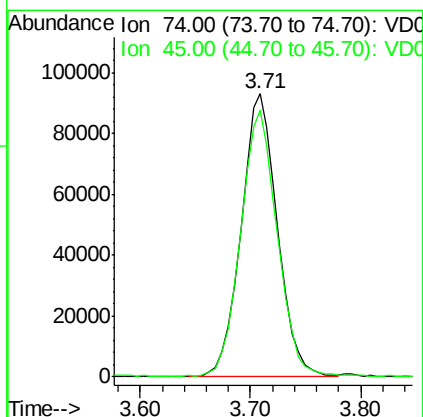
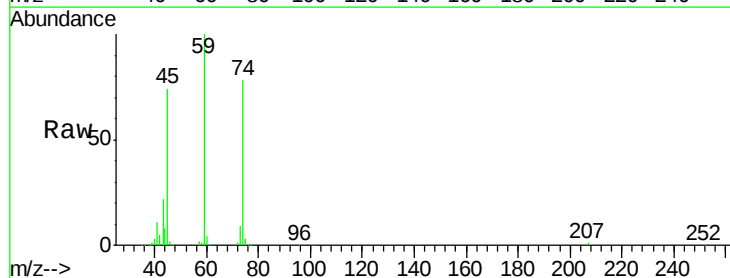
MMDadoda
1/24/2020 4:02:00 PM

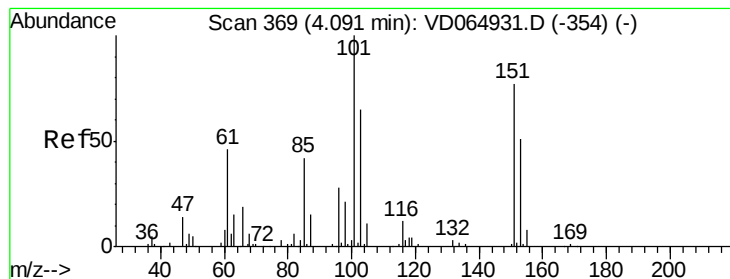


#8

Diethyl Ether
Concen: 100.629 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.230 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064932.D

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MSVOA_D

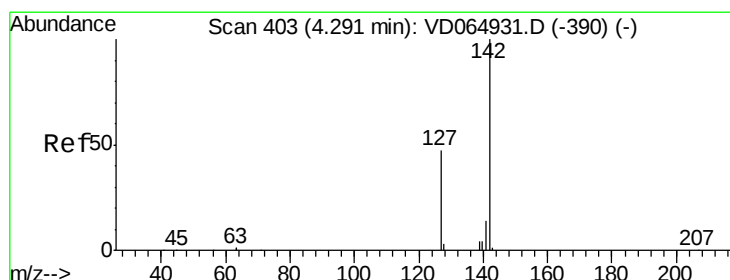
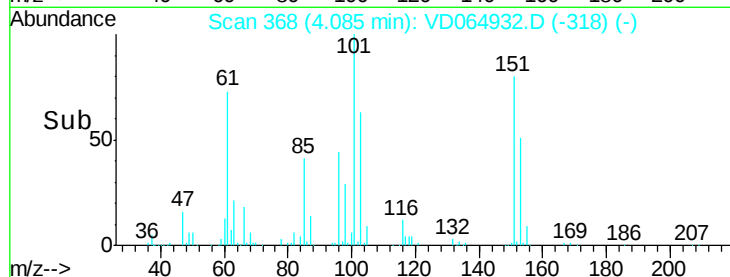
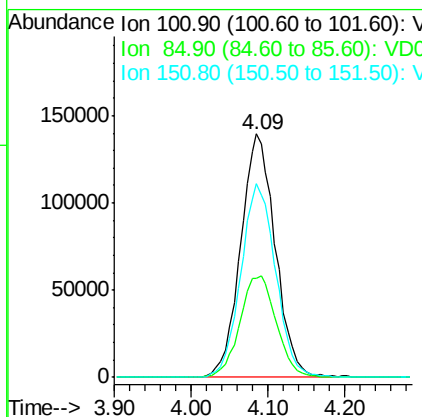
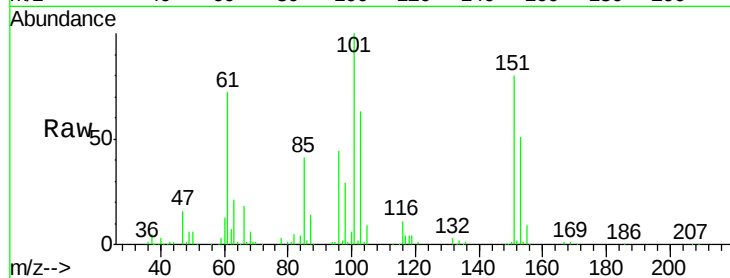
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	437806
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.0	52.4
151	80.2	64.6	96.8

Manual Integrations
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1/24/2020 4:02:00 PM



#10

Methyl Iodide

Concen: 113.705 ug/l

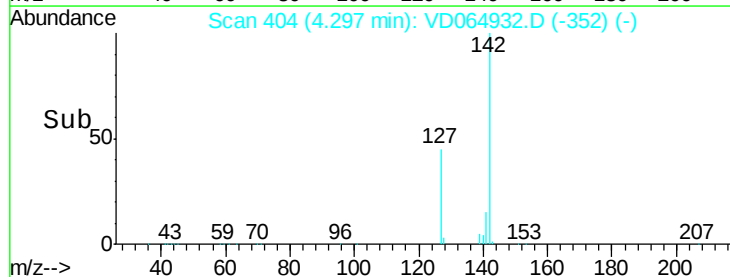
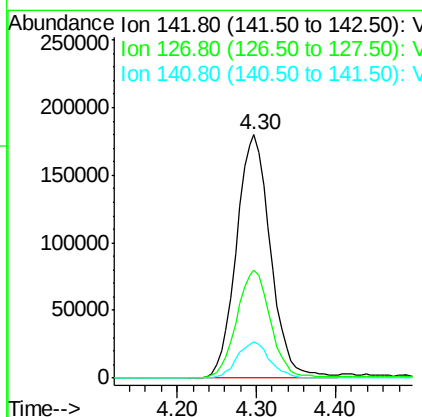
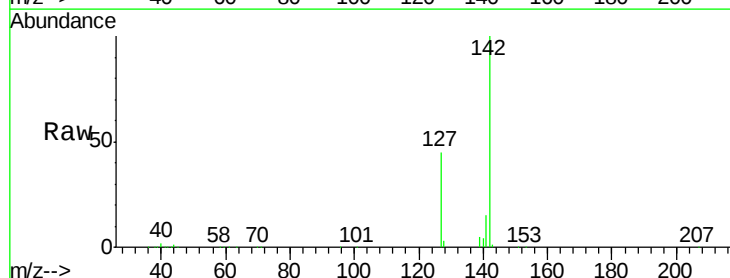
RT: 4.30 min Scan# 404

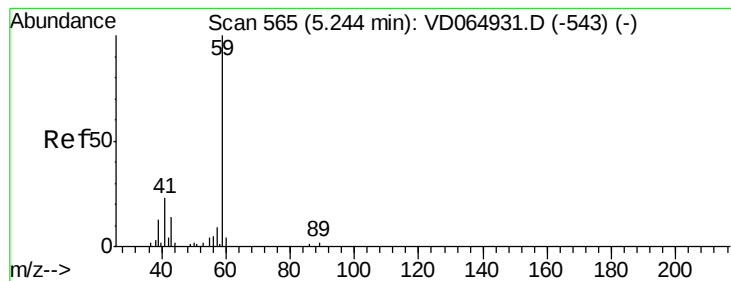
Delta R.T. 0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion:	142	Resp:	537122
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.2	54.2
141	14.4	11.6	17.4





#11

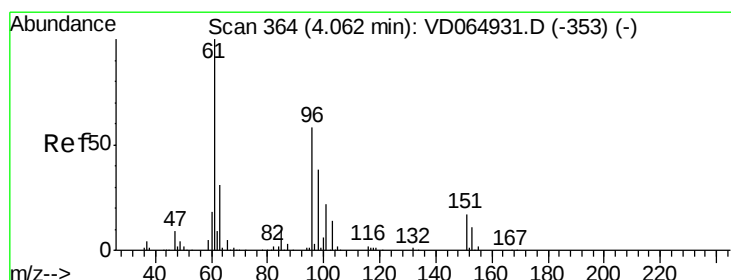
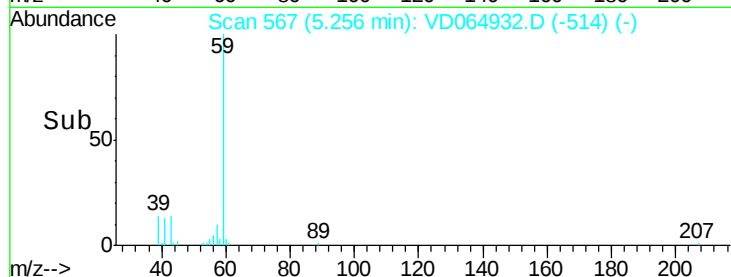
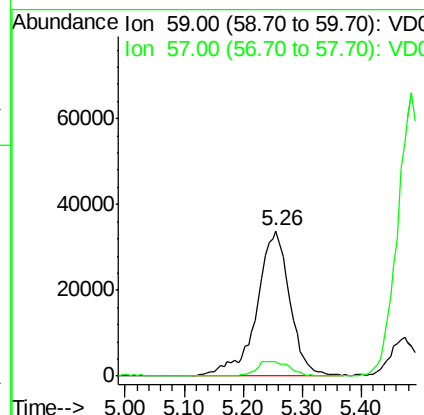
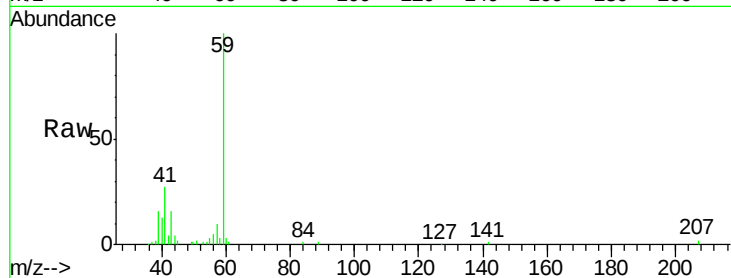
Tert butyl alcohol
Concen: 540.766 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	59	Resp	132400
Ion Ratio	100	Lower	Upper
57	10.3	7.7	11.5

Manual Integrations
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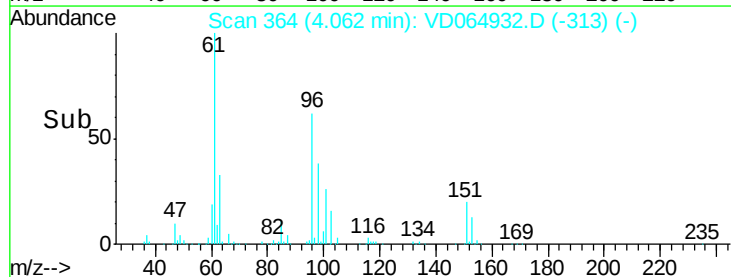
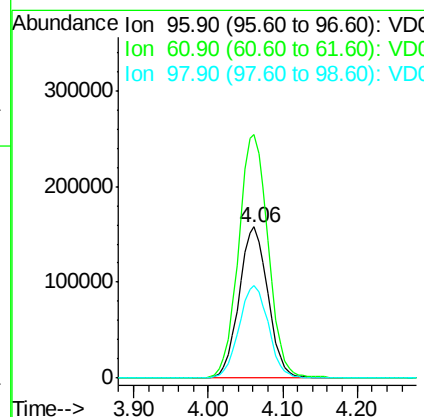
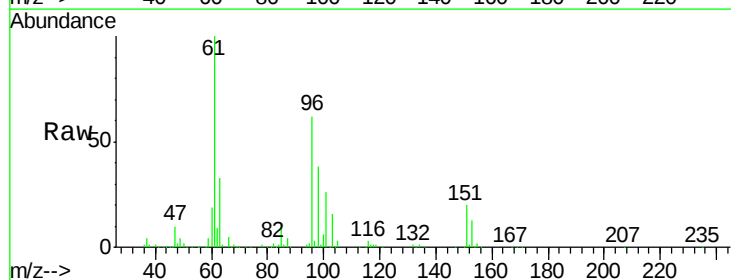
MMDadoda
1/24/2020 4:02:00 PM

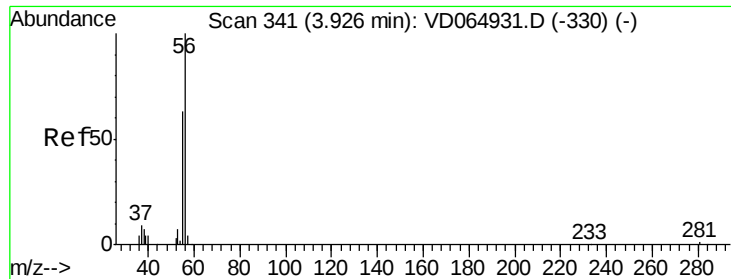


#12

1,1-Dichloroethene
Concen: 101.192 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	96	Resp	424884
Ion Ratio	100	Lower	Upper
61	161.0	137.0	205.4
98	61.2	52.1	78.1





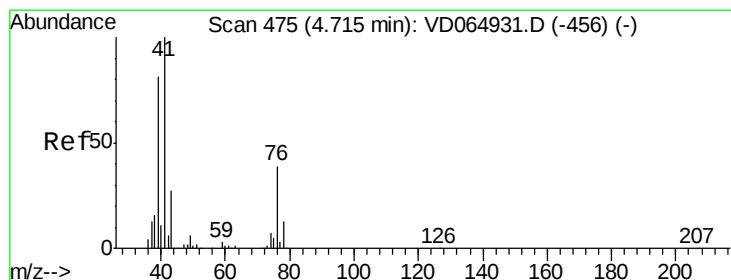
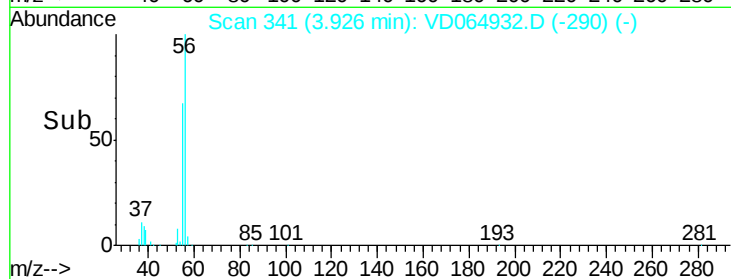
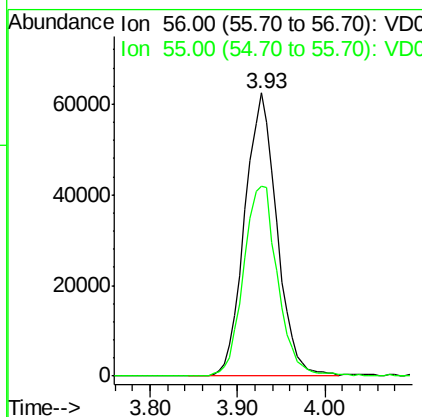
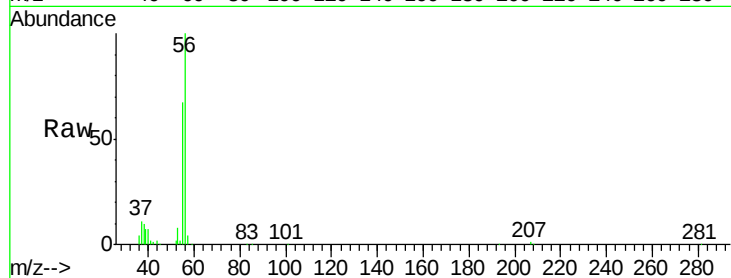
#13
Acrolein
Concen: 470.371 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	59.7	89.5

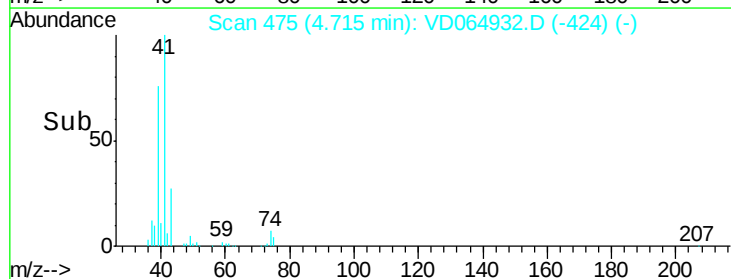
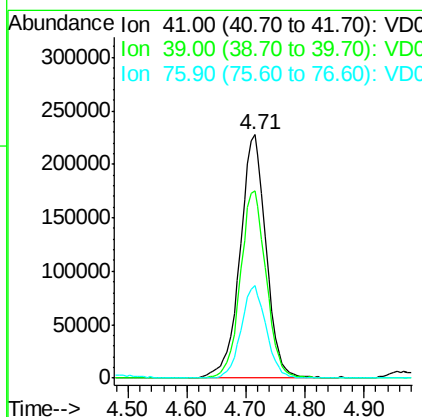
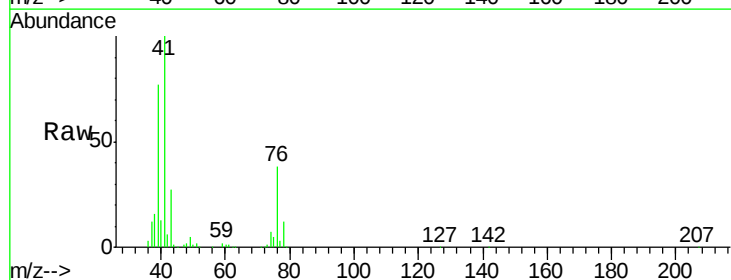
Manual Integrations
APPROVED

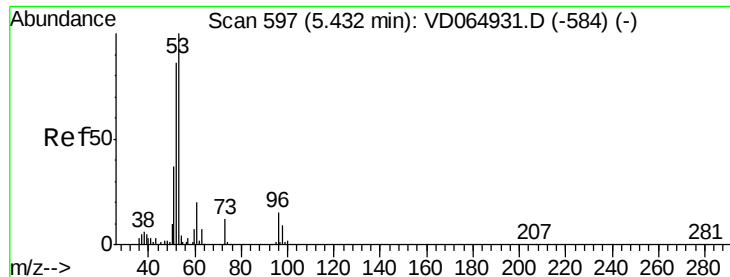
MMDadoda
1/24/2020 4:02:00 PM



#14
Allyl chloride
Concen: 106.604 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.9	62.0	93.0
76	35.9	29.3	43.9





#15

Acrylonitrile

Concen: 538.489 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

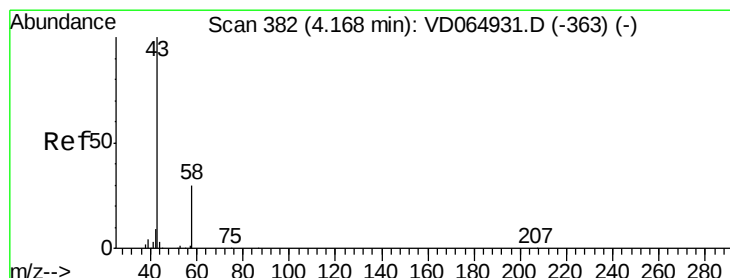
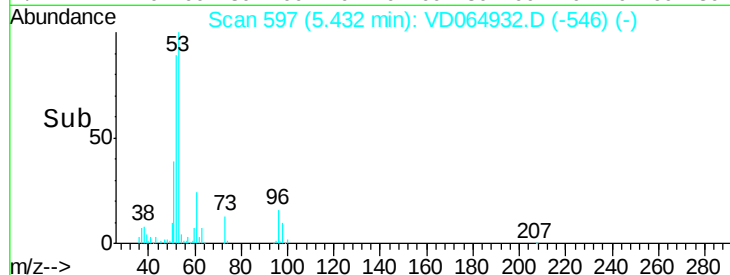
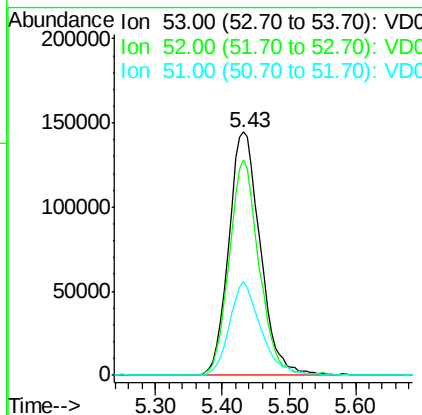
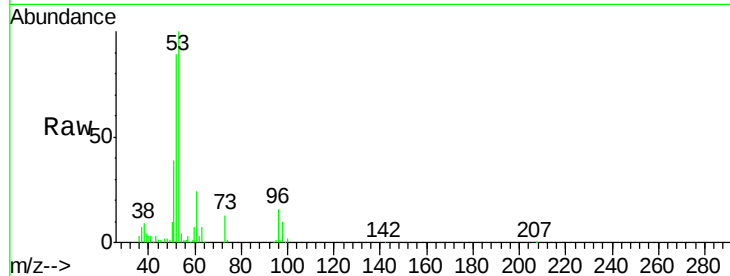
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	477311
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	38.3	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 543.120 ug/l

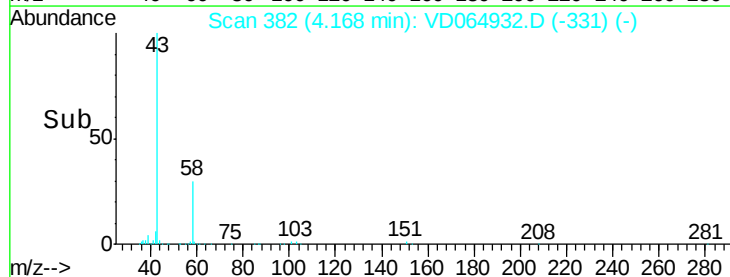
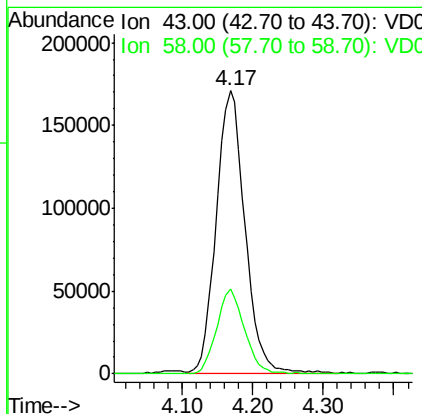
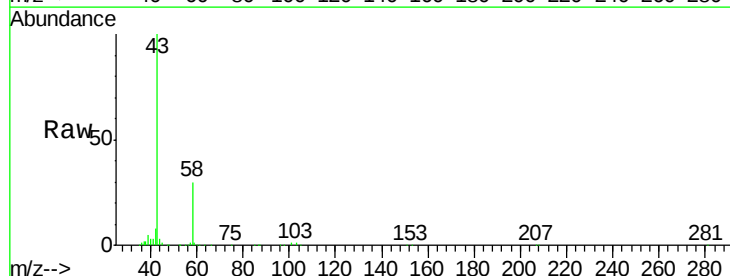
RT: 4.17 min Scan# 382

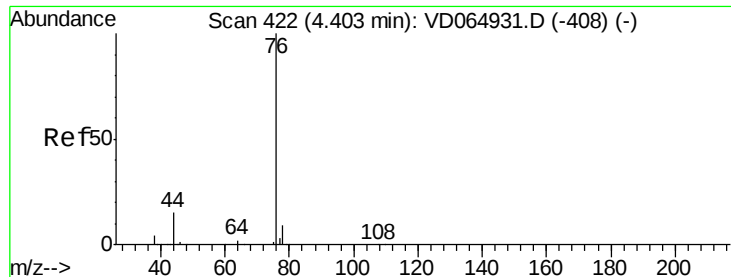
Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion:	43	Resp:	481881
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.8





#17

Carbon Disulfide

Concen: 101.575 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1387619

Ion Ratio Lower Upper

76 100

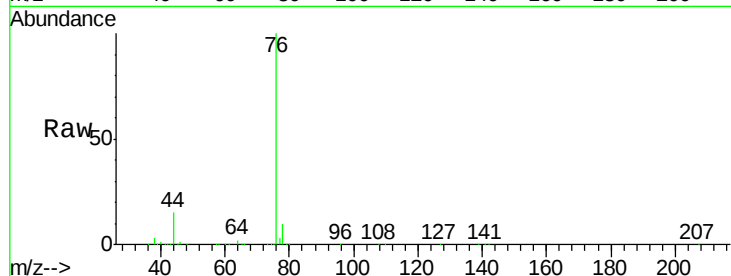
78 9.8 7.1 10.7

Manual Integrations

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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

500000

400000

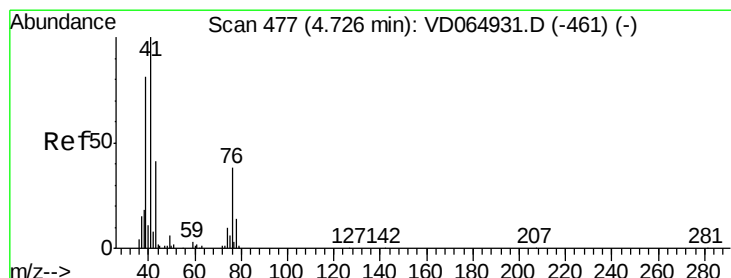
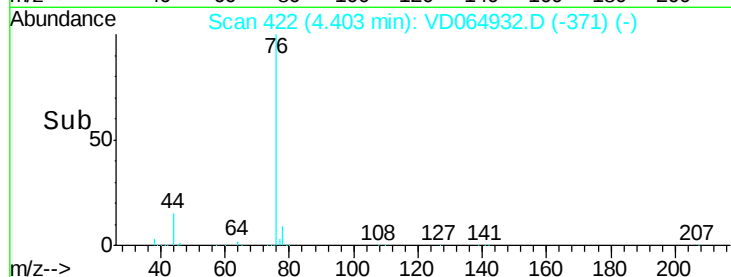
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 91.573 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064932.D

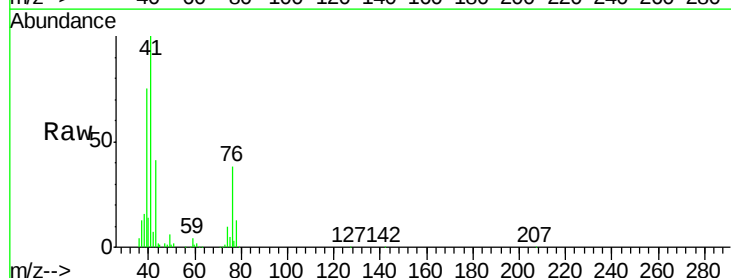
Acq: 23 Jan 2020 12:49

Tgt Ion: 43 Resp: 214426

Ion Ratio Lower Upper

43 100

74 23.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

80000

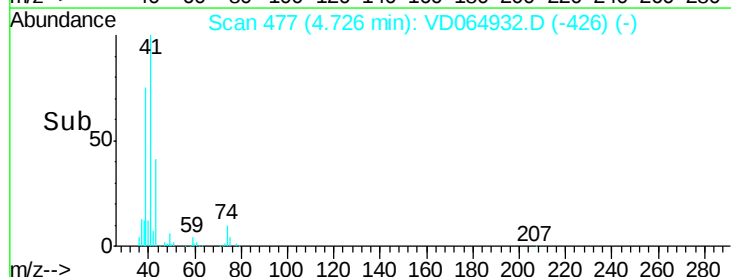
60000

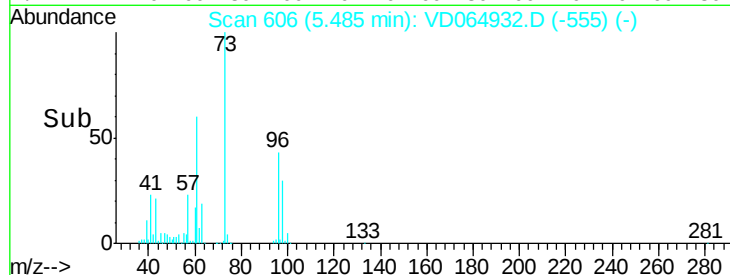
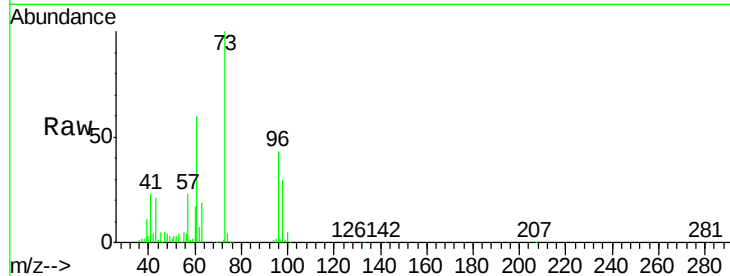
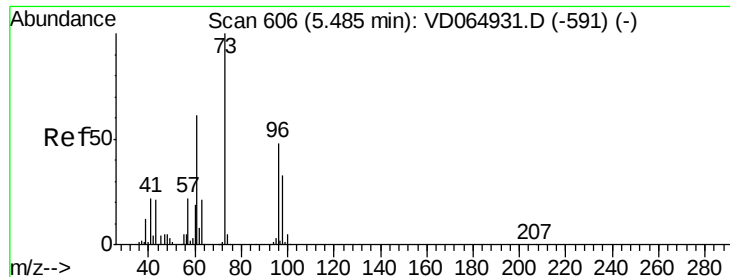
40000

20000

0

Time--> 4.60 4.70 4.80 4.90





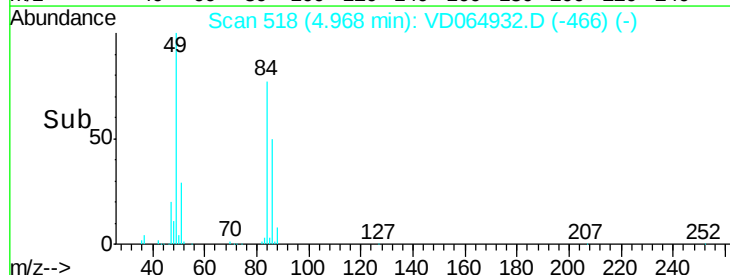
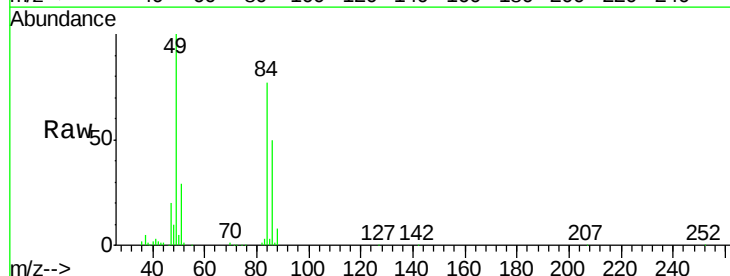
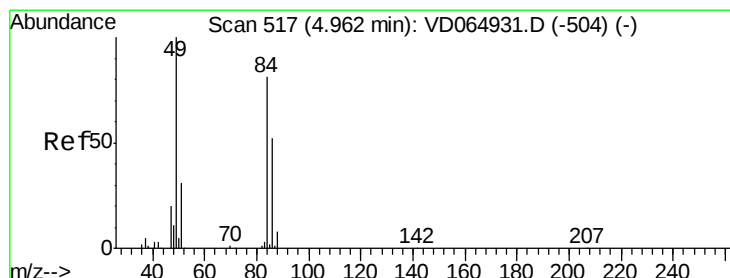
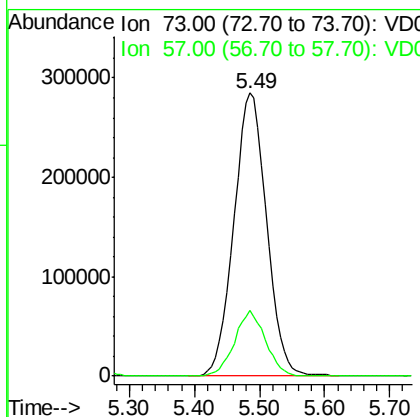
#19
Methvl tert-butvl Ether
Concen: 106.238 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tot Ion: 73 Resp: 993625
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

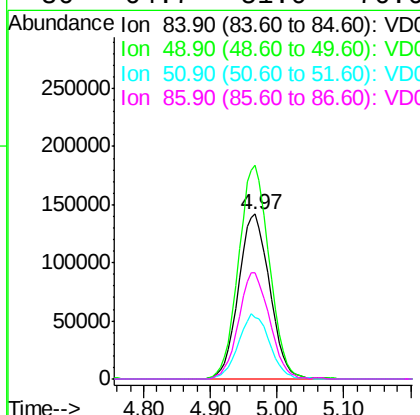
Manual Integrations
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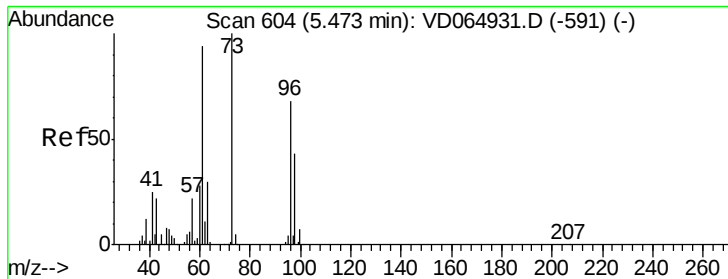
MMDadoda
1/24/2020 4:02:00 PM



#20
Methylene Chloride
Concen: 90.886 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 84 Resp: 458184
Ion Ratio Lower Upper
84 100
49 129.7 98.4 147.6
51 37.1 30.8 46.2
86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 103.027 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

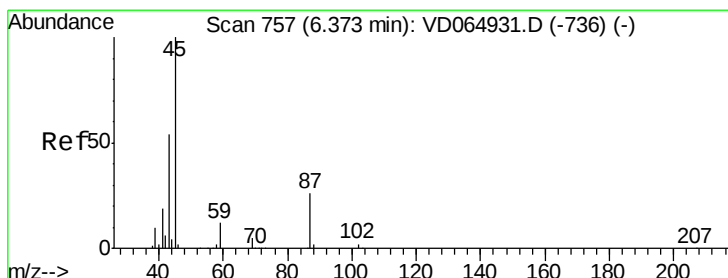
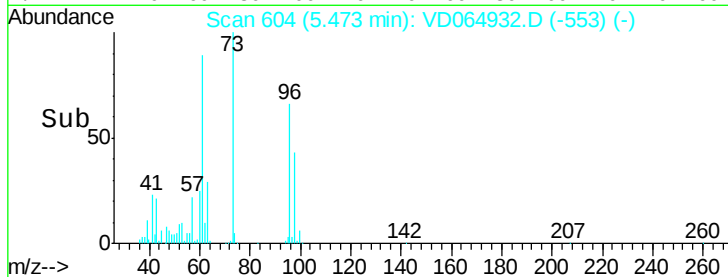
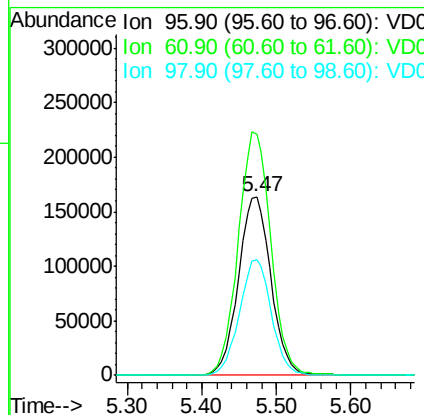
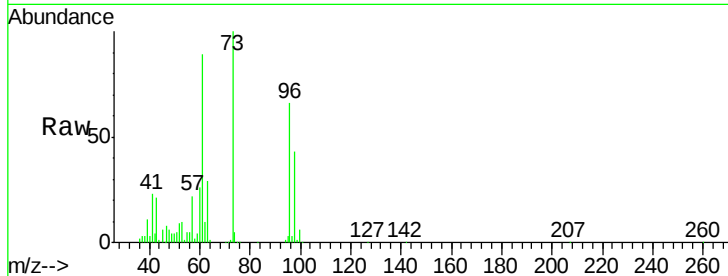
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	495244
Ion	Ratio	Lower	Upper
96	100		
61	135.3	110.4	165.6
98	64.6	50.5	75.7

Manual Integrations
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1/24/2020 4:02:00 PM



#22

Diisopropyl ether

Concen: 108.066 ug/l

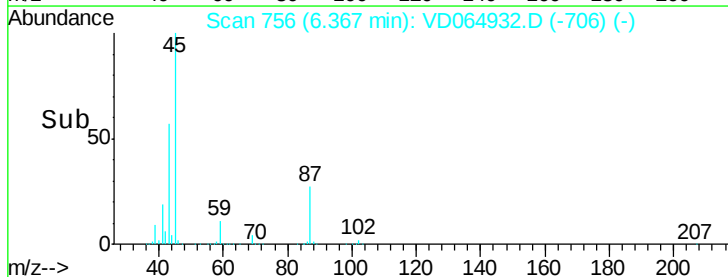
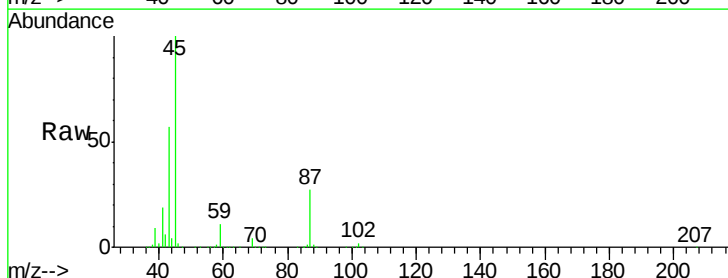
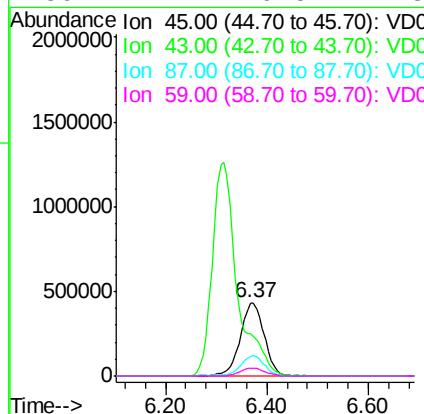
RT: 6.37 min Scan# 756

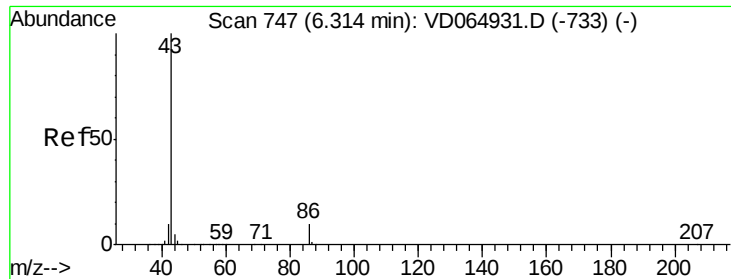
Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion:	45	Resp:	1420029
Ion	Ratio	Lower	Upper
45	100		
43	56.9	43.1	64.7
87	26.7	21.4	32.2
59	11.2	9.5	14.3





#23

Vinyl Acetate

Concen: 579.303 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 4330481

Ion Ratio Lower Upper

43 100

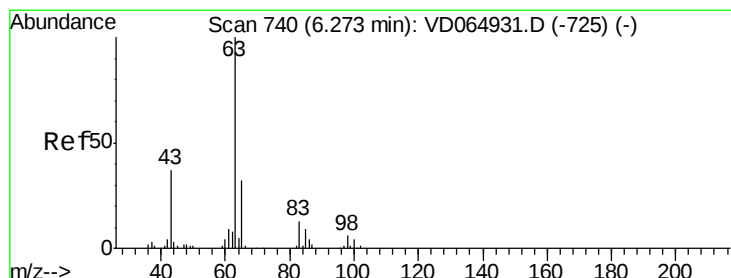
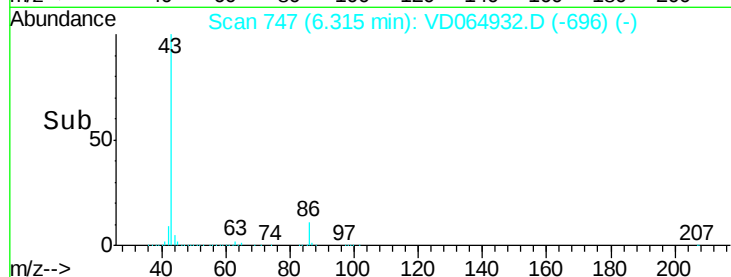
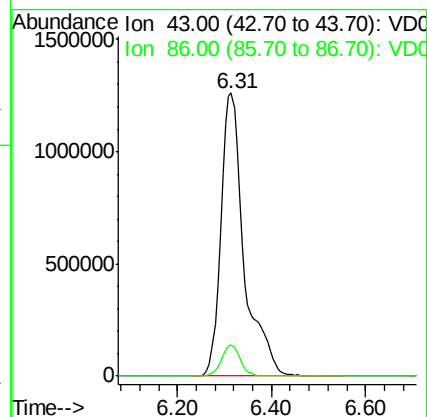
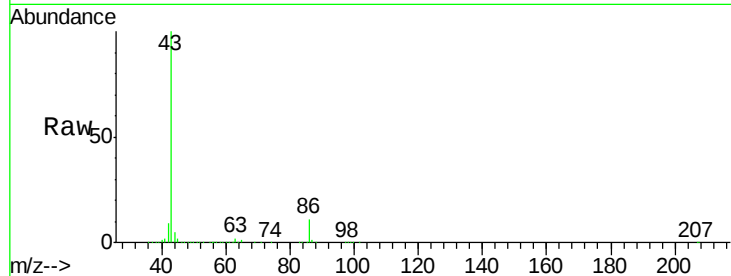
86 10.8 8.3 12.5

Manual Integrations

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MMDadoda

1/24/2020 4:02:00 PM



#24

1,1-Dichloroethane

Concen: 104.523 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

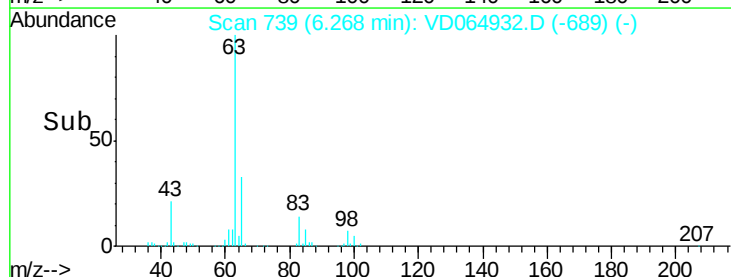
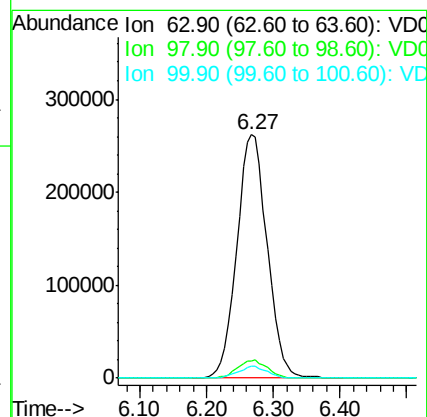
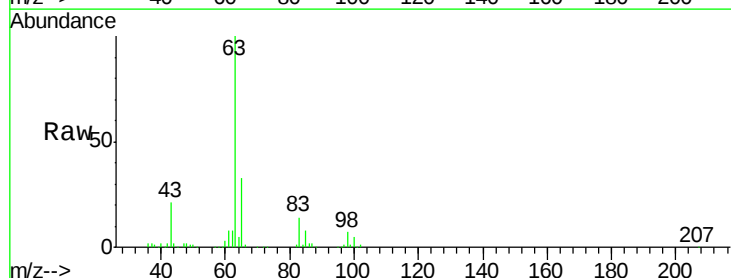
Tgt Ion: 63 Resp: 825680

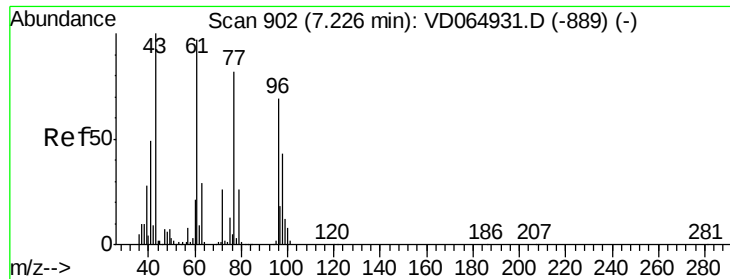
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

100 4.8 2.3 6.8





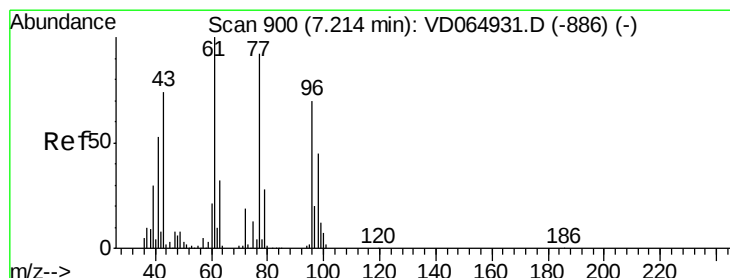
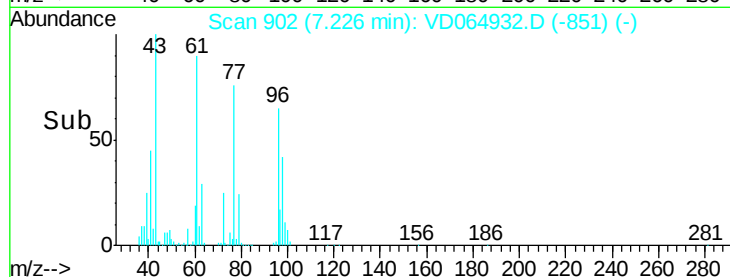
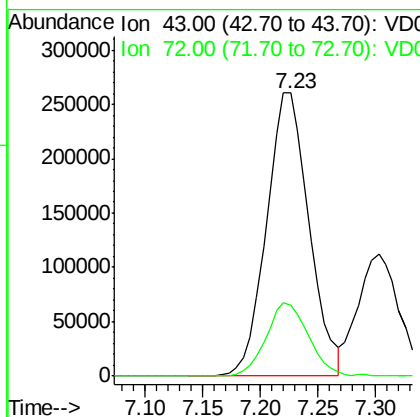
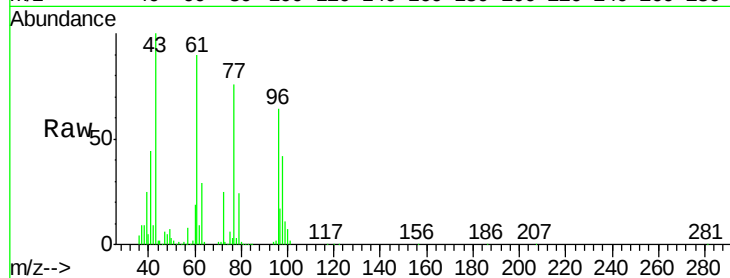
#25
2-Butanone
Concen: 565.121 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 665776
Ion Ratio Lower Upper
43 100
72 25.3 20.6 31.0

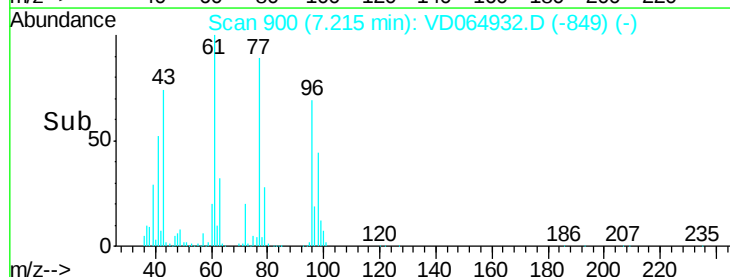
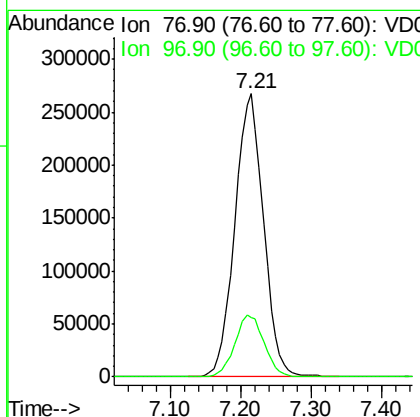
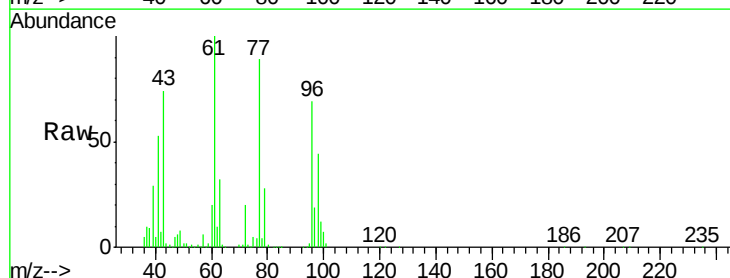
Manual Integrations
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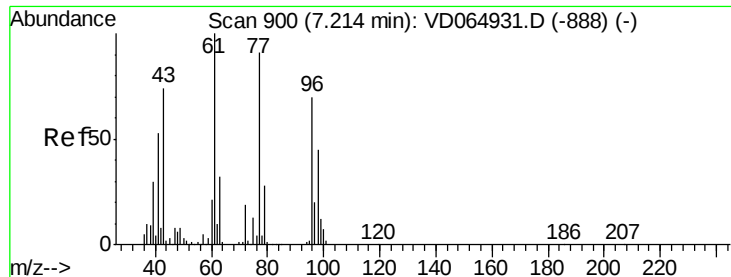
MMDadoda
1/24/2020 4:02:00 PM



#26
2,2-Dichloropropane
Concen: 103.198 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 77 Resp: 755157
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.2





#27

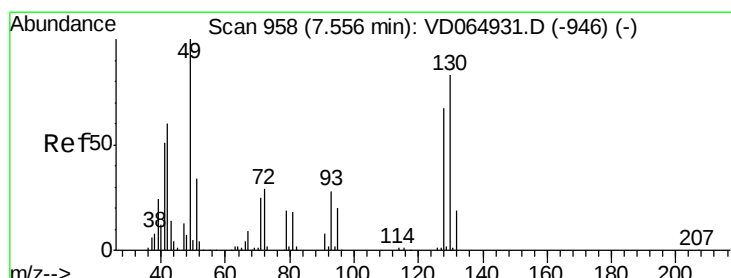
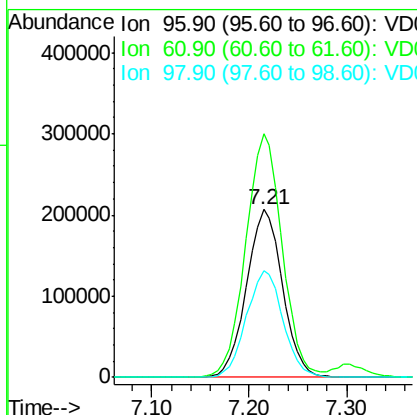
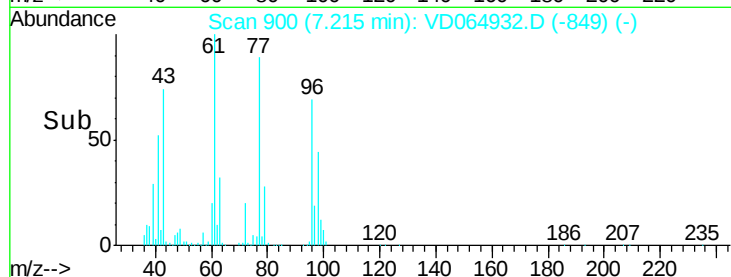
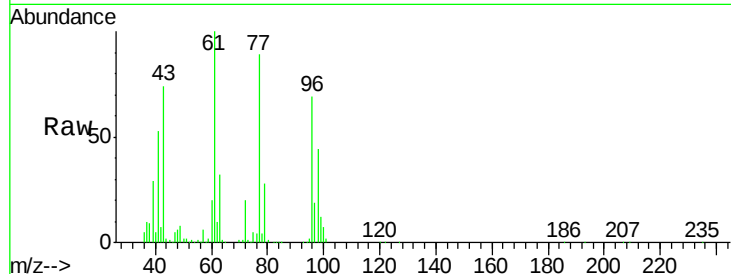
cis-1,2-Dichloroethene
Concen: 103.262 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	292.8
98	64.6	0.0	130.0

Manual Integrations
APPROVED

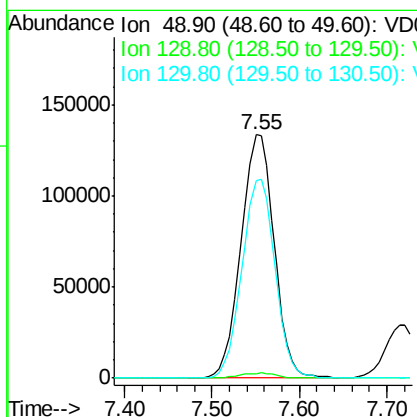
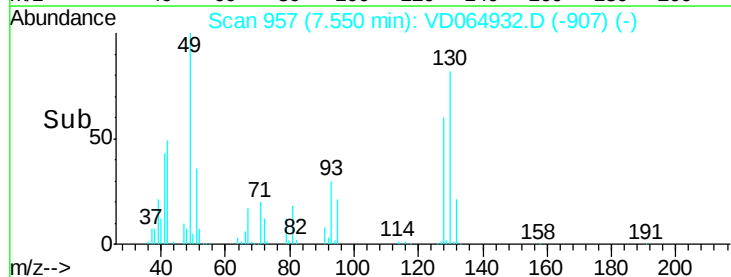
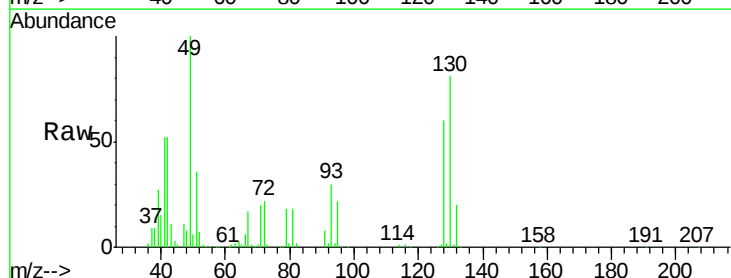
MMDadoda
1/24/2020 4:02:00 PM

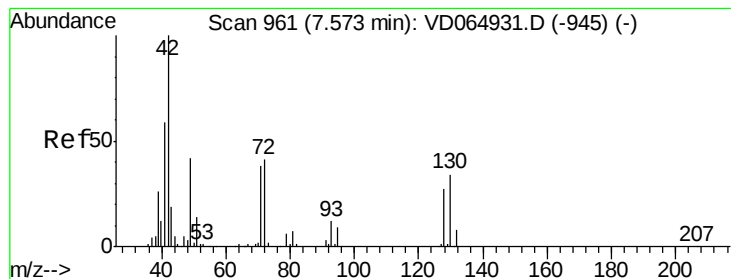


#28

Bromochloromethane
Concen: 109.995 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	81.4	63.8	95.8





#29

Tetrahydrofuran

Concen: 552.665 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

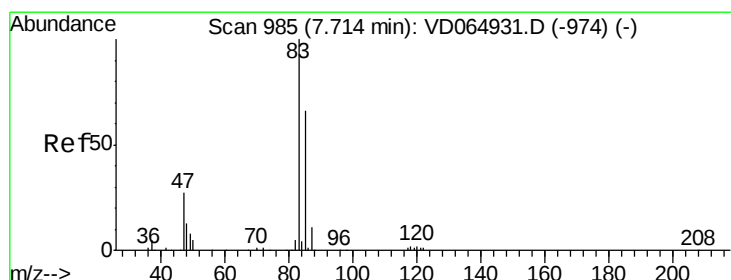
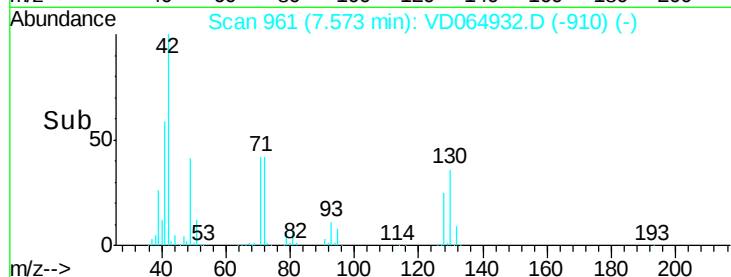
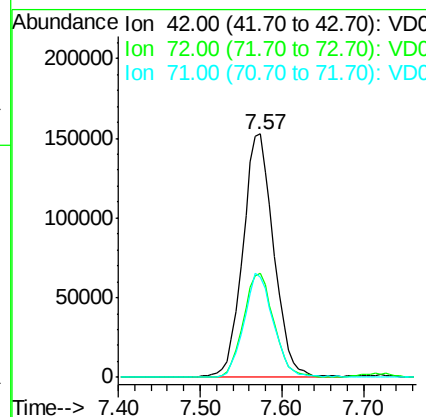
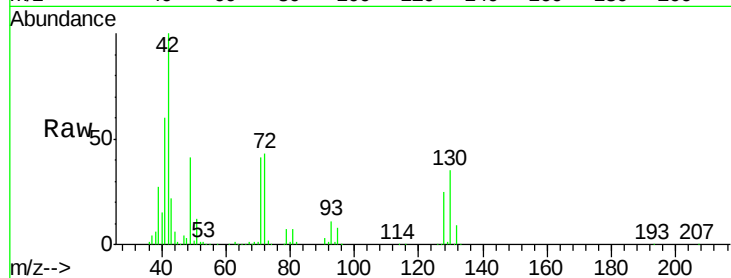
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	401876
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.0	51.0
71	40.6	31.5	47.3

Manual Integrations
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1/24/2020 4:02:00 PM



#30

Chloroform

Concen: 103.017 ug/l

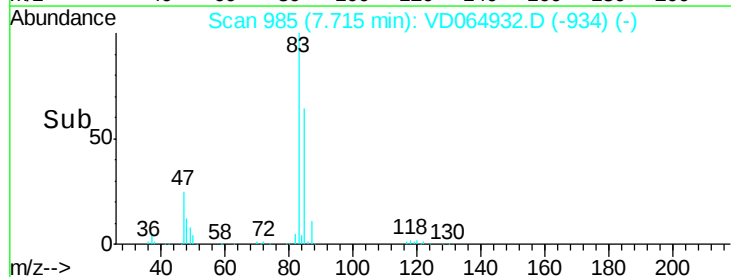
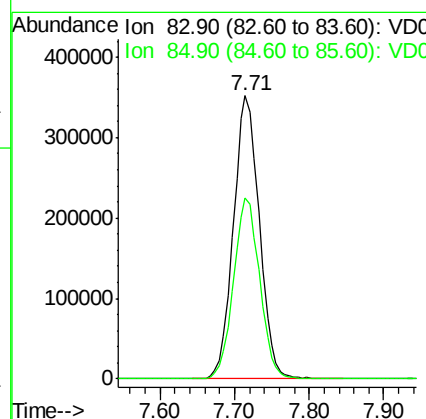
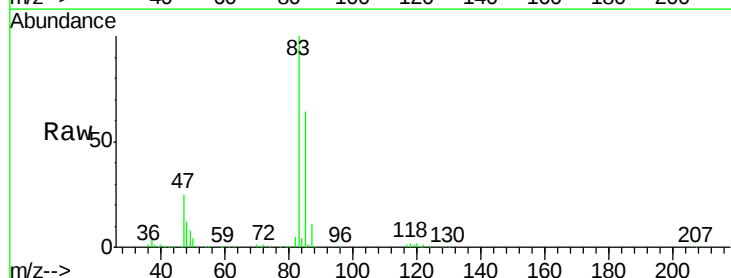
RT: 7.71 min Scan# 985

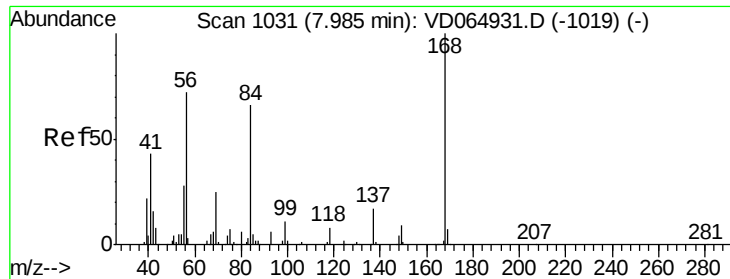
Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion:	83	Resp:	852133
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6





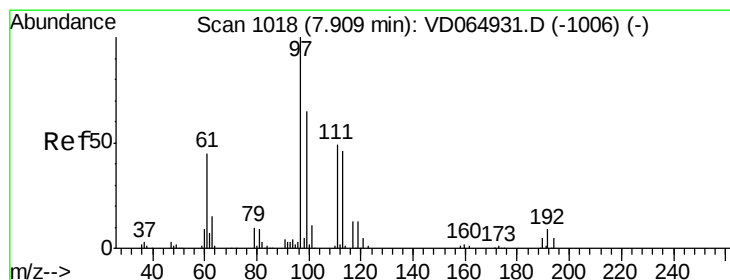
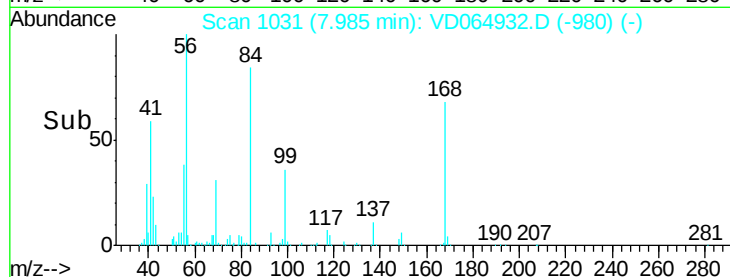
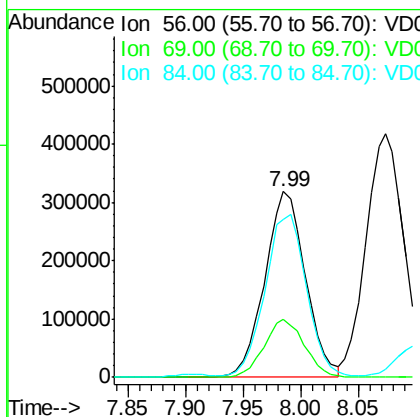
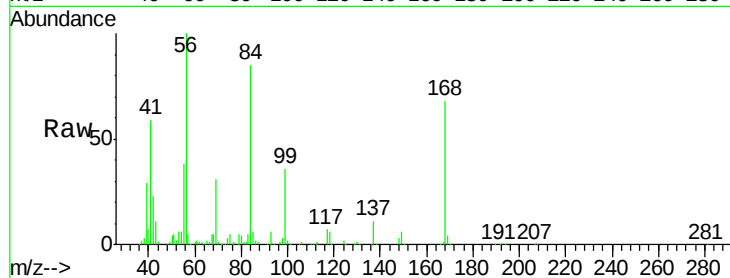
#31
Cyclohexane
Concen: 98.939 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	27.9	41.9
84	83.6	72.8	109.2

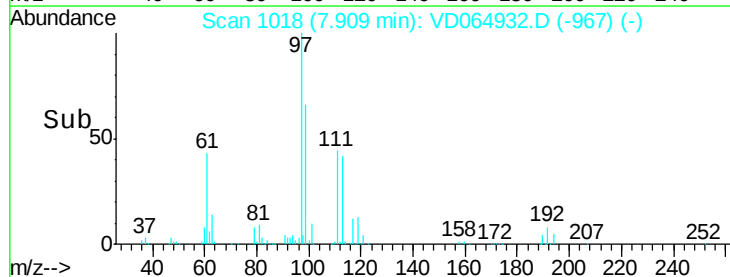
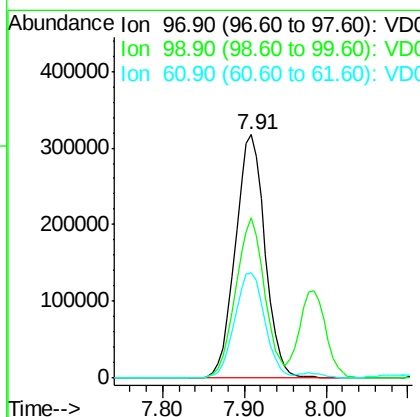
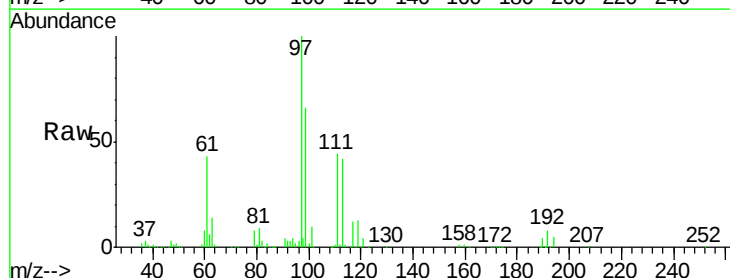
Manual Integrations
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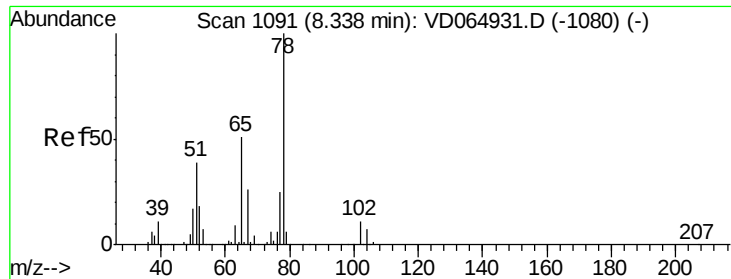
MMDadoda
1/24/2020 4:02:00 PM



#32
1,1,1-Trichloroethane
Concen: 103.036 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.6	76.0
61	44.0	35.7	53.5





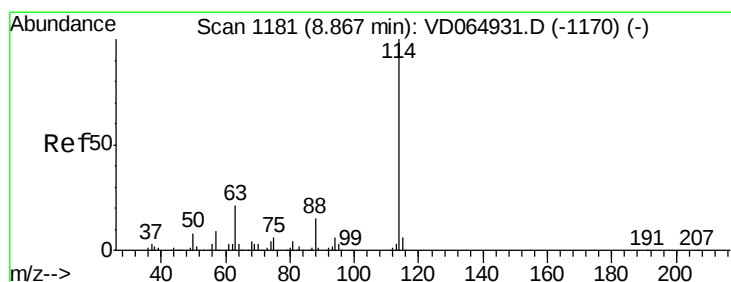
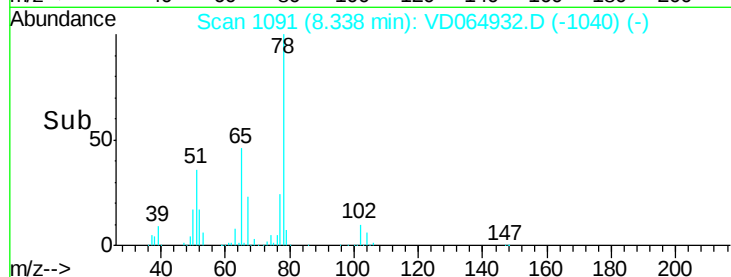
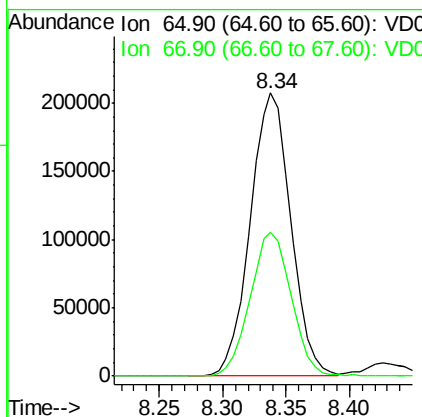
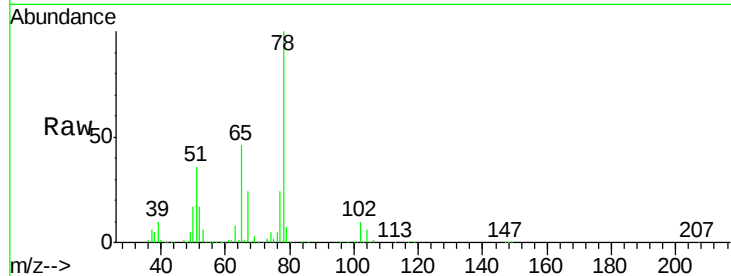
#33
 1,2-Dichloroethane-d4
 Concen: 107.010 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	462008		
67	51.5	0.0	103.6	

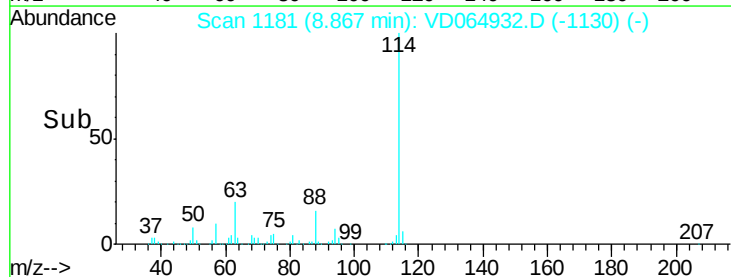
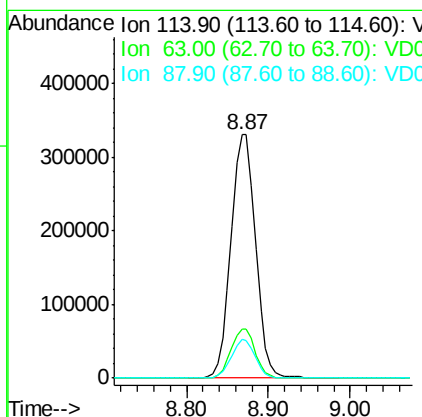
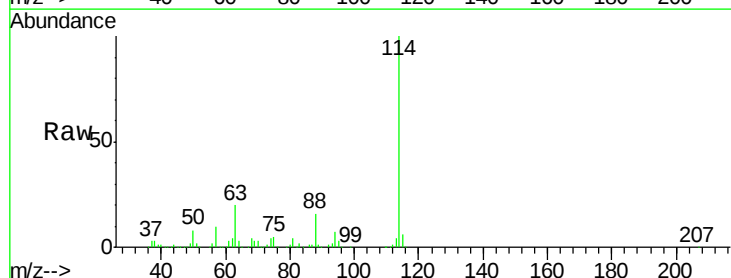
Manual Integrations
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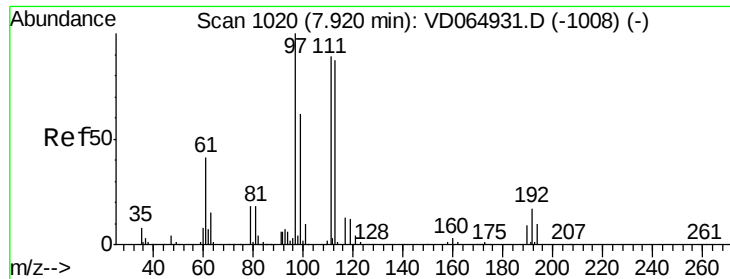
MMDadoda
 1/24/2020 4:02:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	693947		
63	20.2	0.0	42.0	
88	16.2	0.0	29.4	





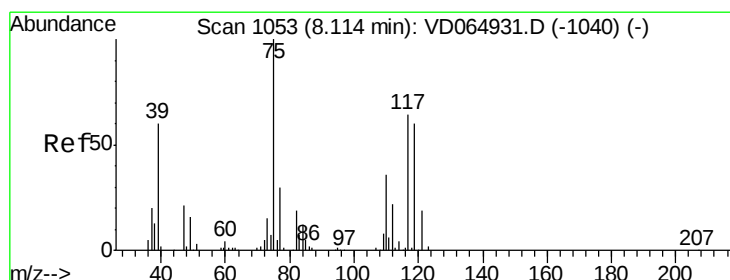
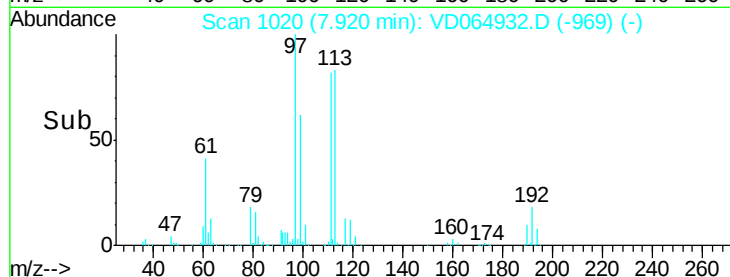
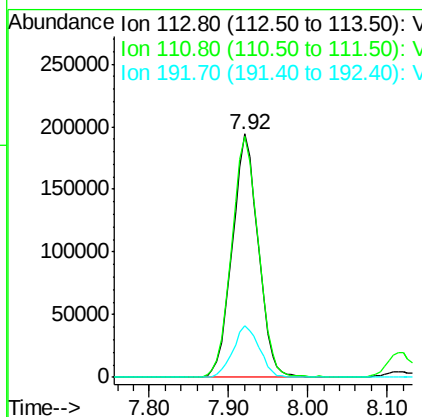
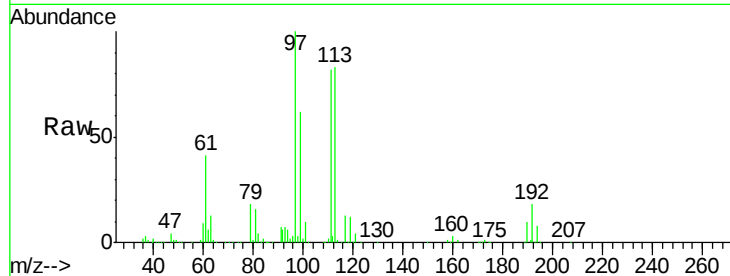
#35
 Dibromofluoromethane
 Concen: 102.625 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	439954		
111	102.5	82.4	123.6	
192	21.7	16.9	25.3	

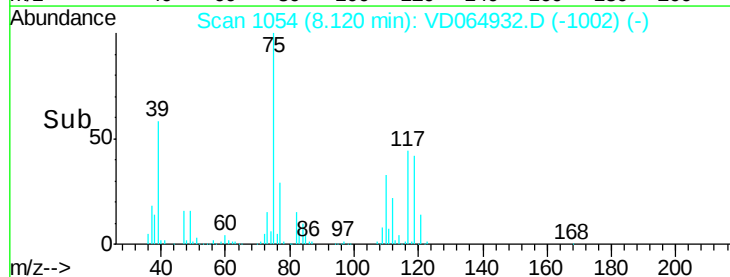
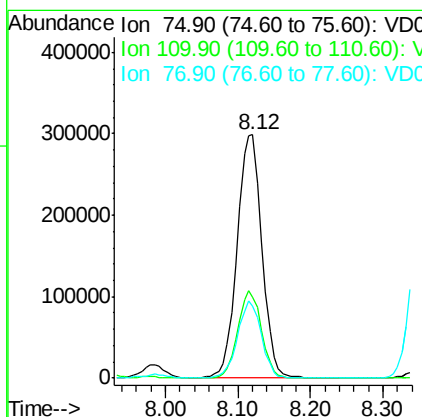
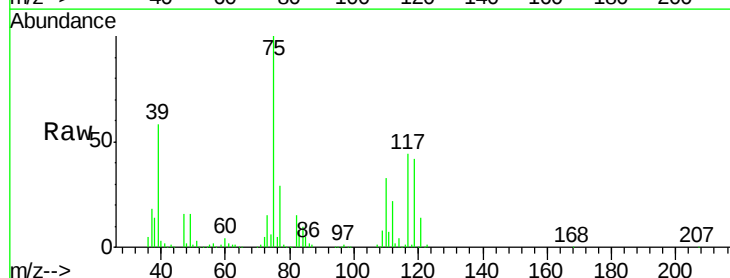
Manual Integrations
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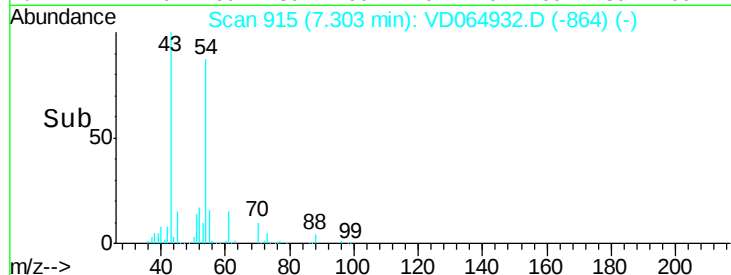
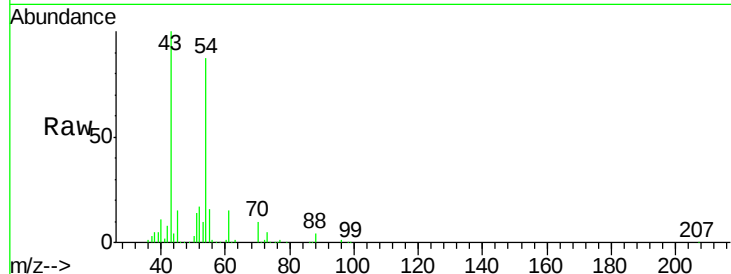
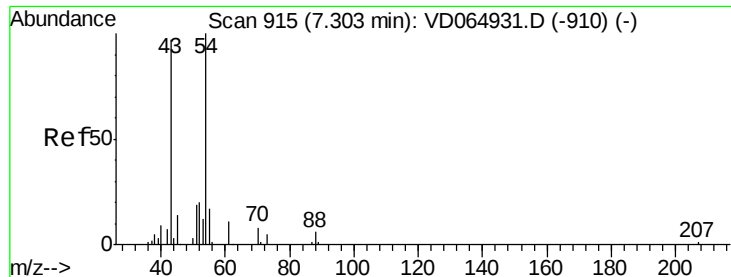
MMDadoda
 1/24/2020 4:02:00 PM



#36
 1,1-Dichloropropene
 Concen: 105.700 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	706152		
110	34.5	17.3	52.0	
77	30.3	24.7	37.1	





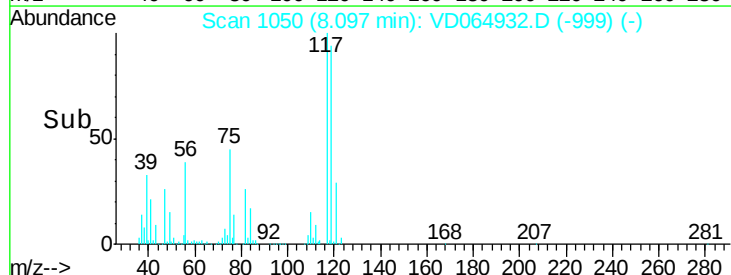
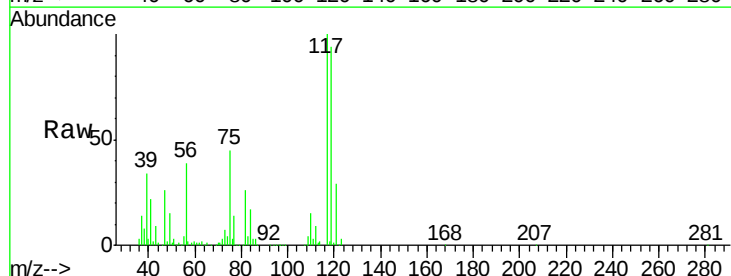
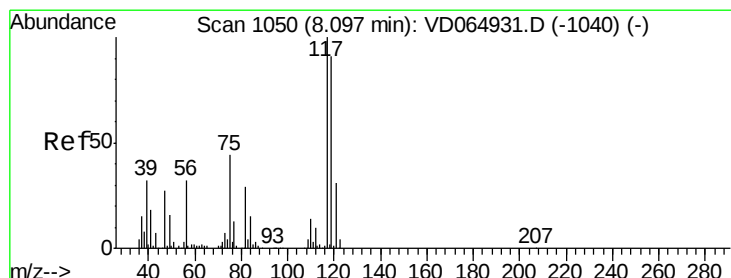
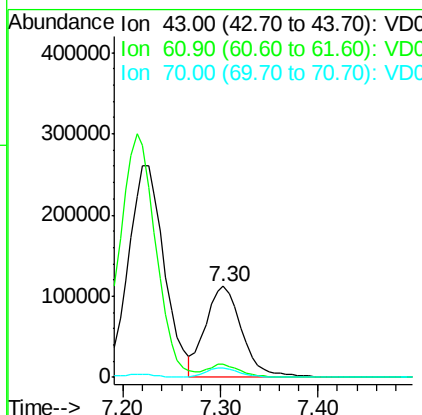
#37
Ethyl Acetate
Concen: 110.342 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.4
70	9.4	7.5	11.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

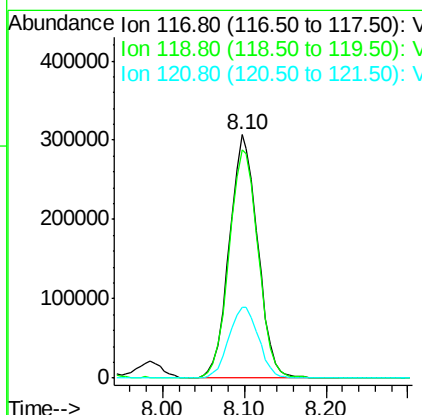
Manual Integrations
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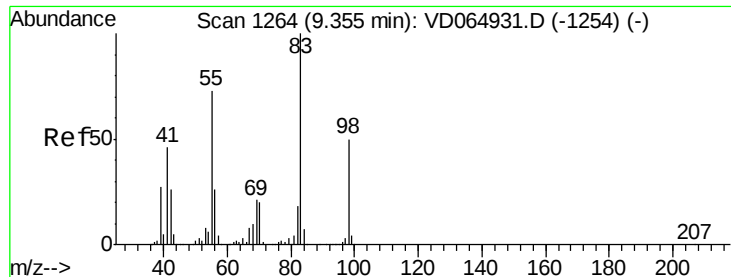
MMDadoda
1/24/2020 4:02:00 PM



#38
Carbon Tetrachloride
Concen: 103.882 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.2	109.8
121	29.1	24.4	36.6





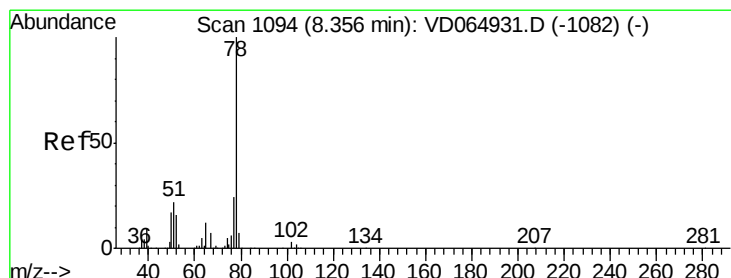
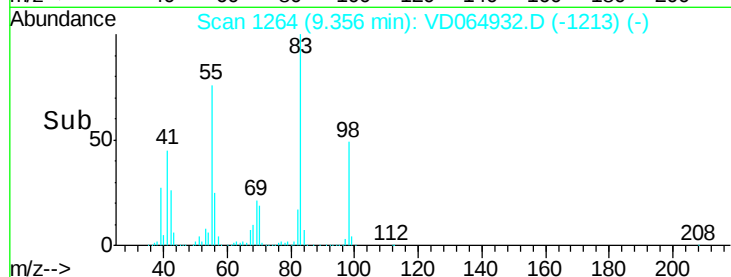
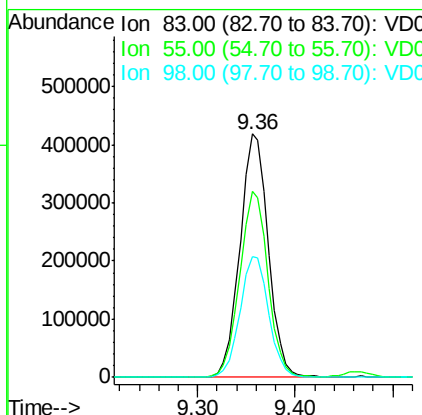
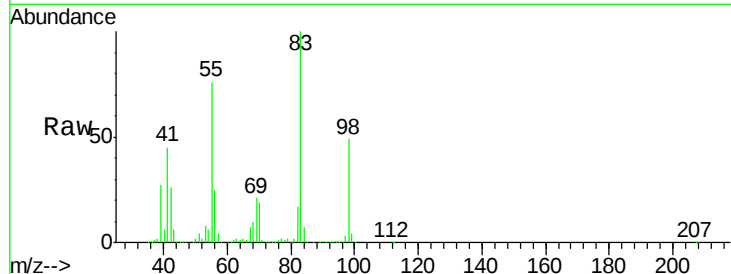
#39
Methvlcvclohexane
Concen: 105.585 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	849873
Ion Ratio	Lower	Upper	
83	100		
55	76.2	58.7	88.1
98	49.5	40.2	60.2

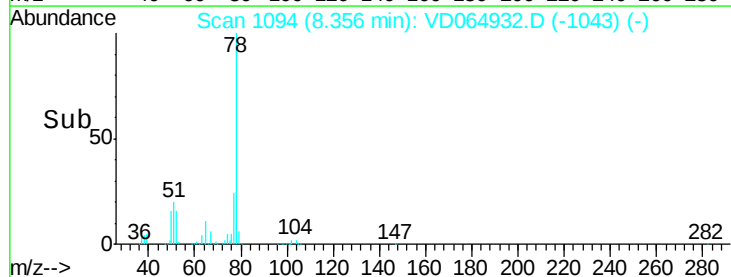
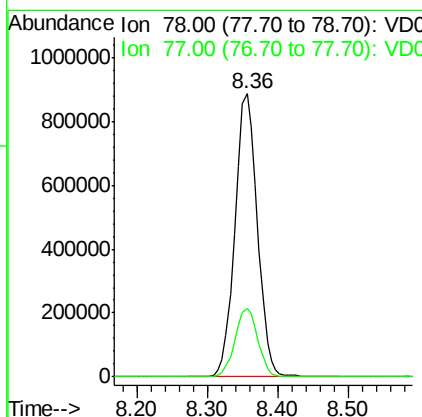
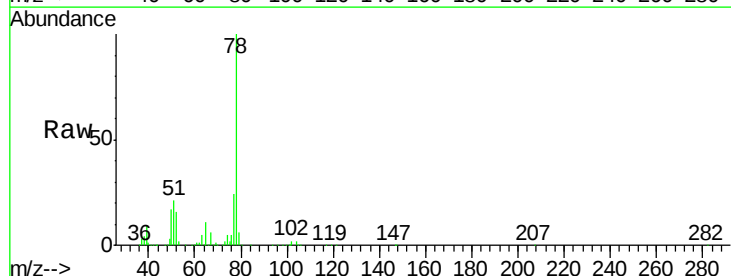
Manual Integrations
APPROVED

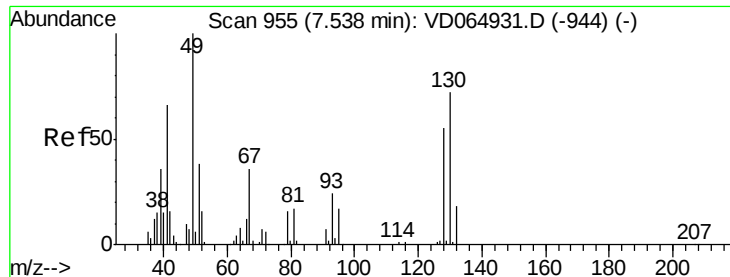
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1/24/2020 4:02:00 PM



#40
Benzene
Concen: 107.218 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	78	Resp	1956813
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.2	28.8





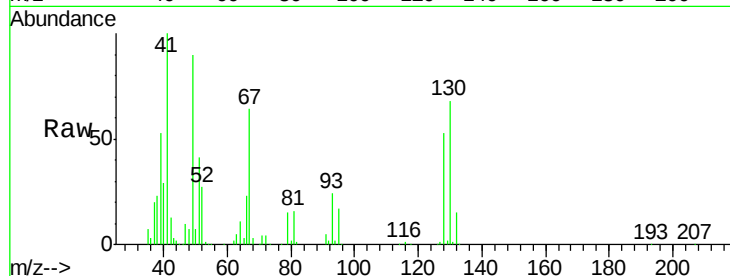
#41
Methacrylonitrile
Concen: 87.928 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.4	49.3	73.9#
67	87.0	51.0	76.6#
52	37.6	22.3	33.5#

Manual Integrations
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MMDadoda
1/24/2020 4:02:00 PM



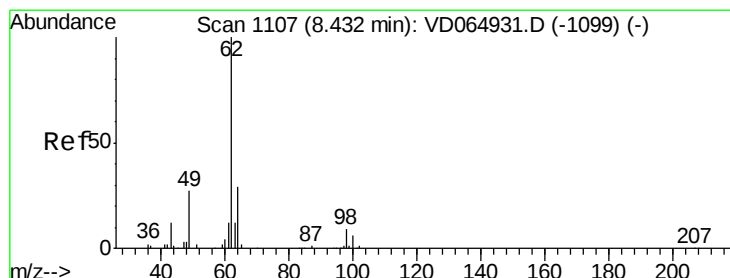
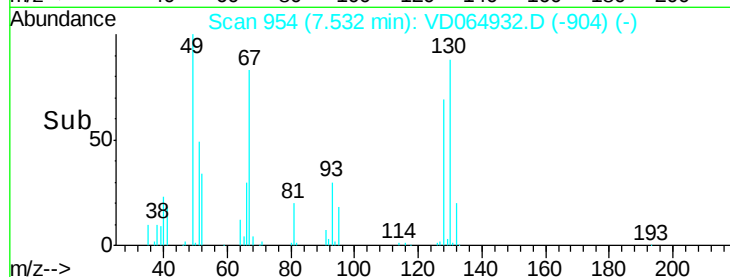
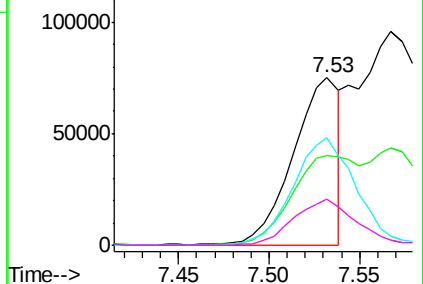
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

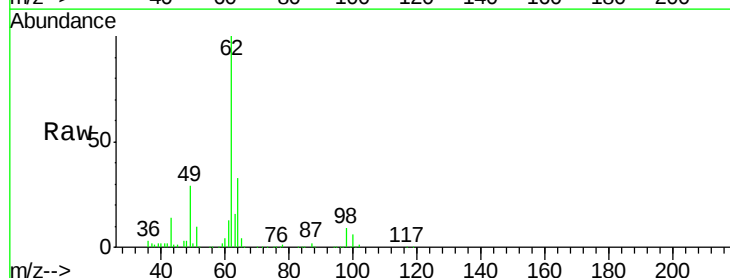
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 105.865 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

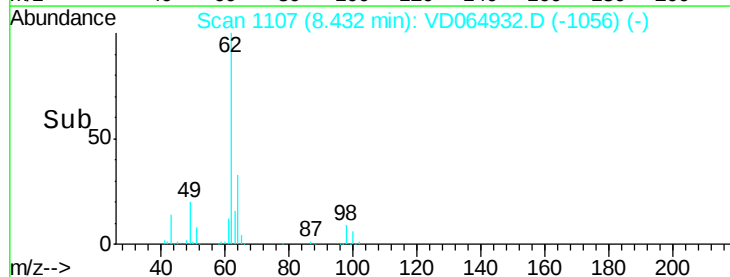
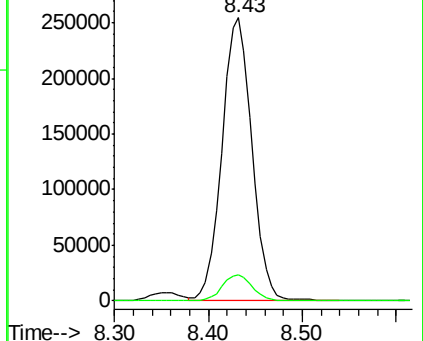
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8

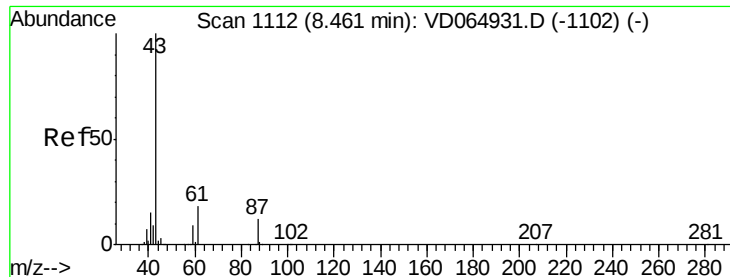


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 108.275 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

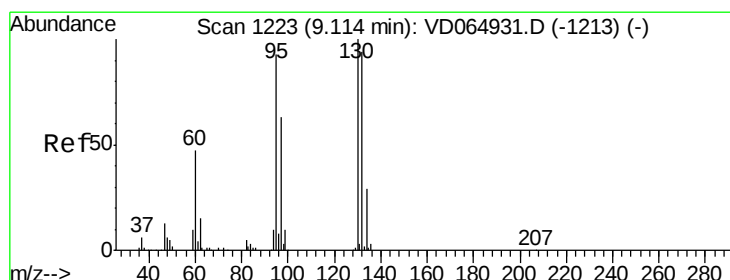
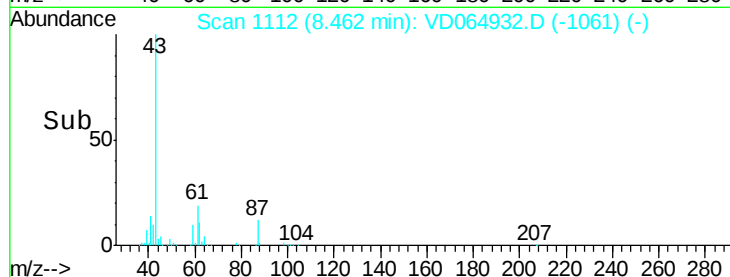
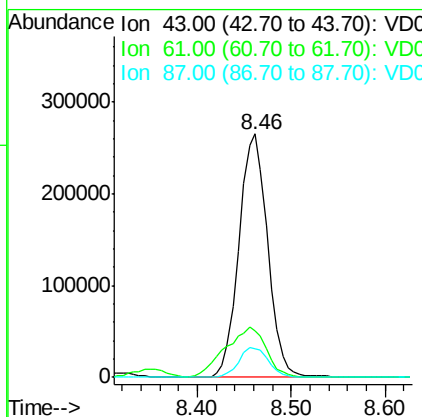
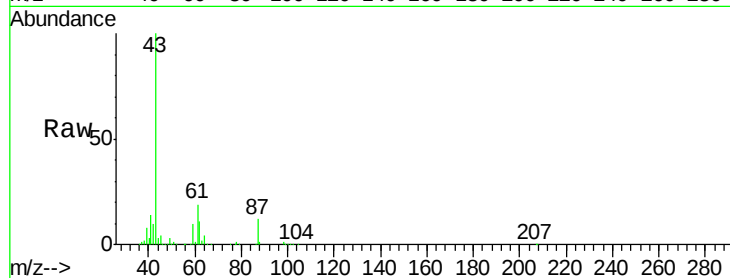
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	562209
Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.8	35.6
87	12.7	10.3	15.5

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#44

Trichloroethene

Concen: 101.725 ug/l

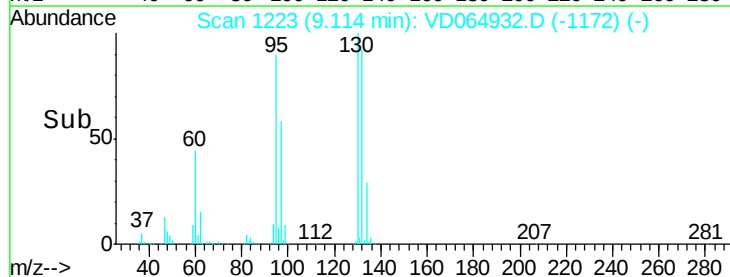
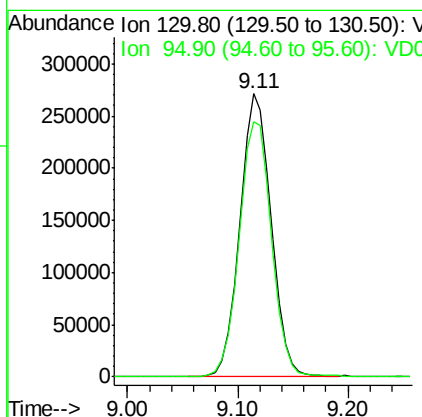
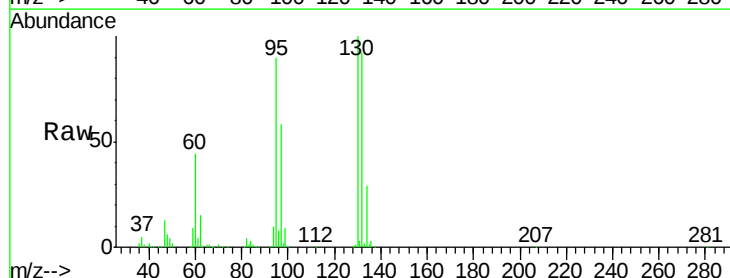
RT: 9.11 min Scan# 1223

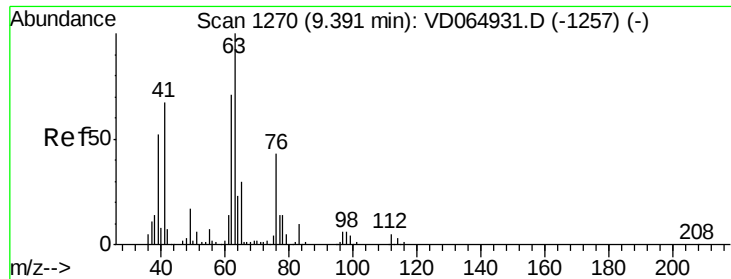
Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion:	130	Resp:	539816
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	185.8





#45

1,2-Dichloropropane

Concen: 105.700 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 459759

Ion Ratio Lower Upper

63 100

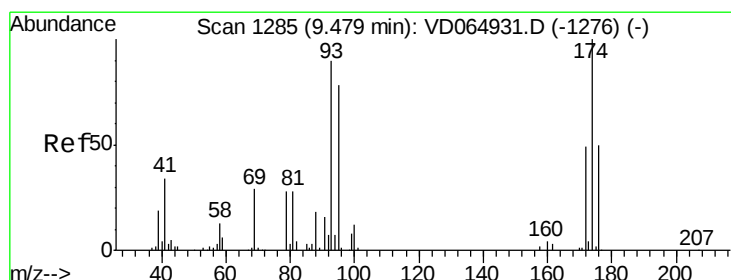
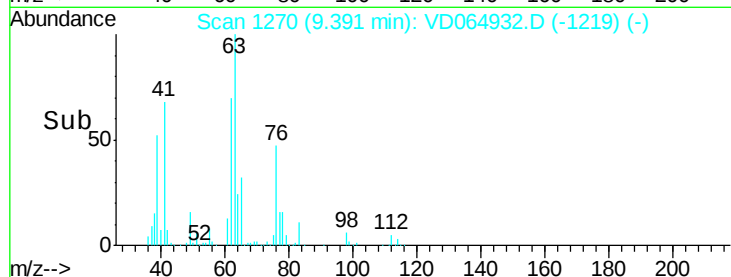
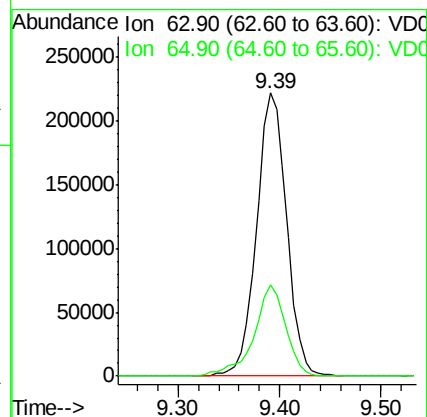
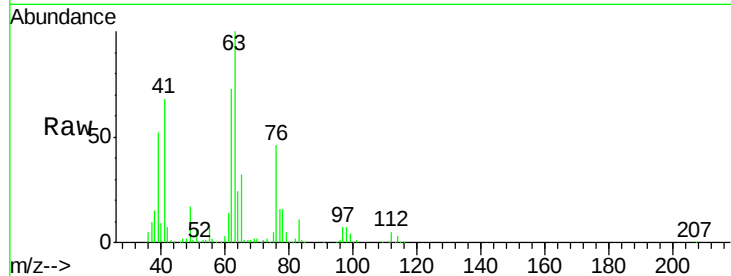
65 32.2 24.3 36.5

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#46

Dibromomethane

Concen: 103.584 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

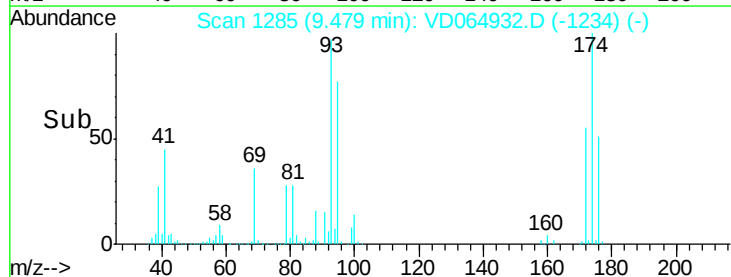
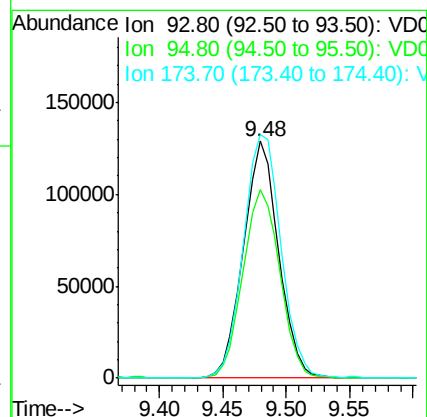
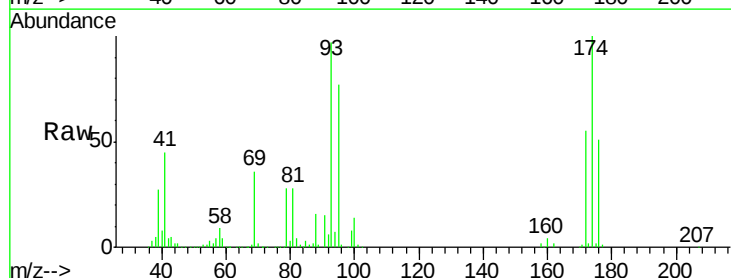
Tgt Ion: 93 Resp: 249219

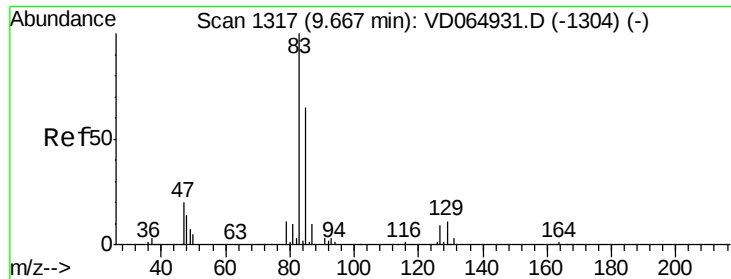
Ion Ratio Lower Upper

93 100

95 83.5 67.5 101.3

174 109.9 88.4 132.6





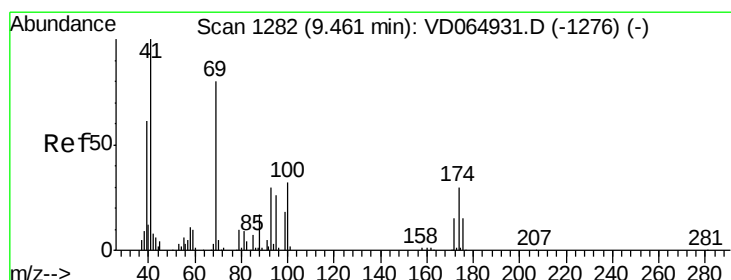
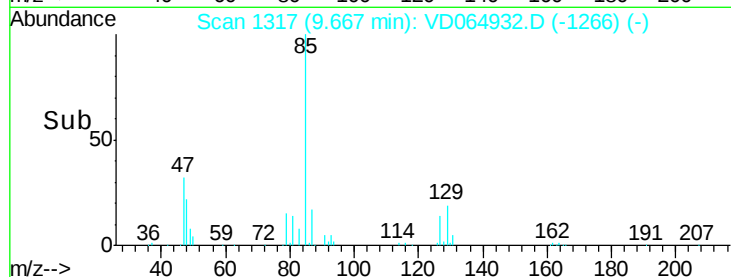
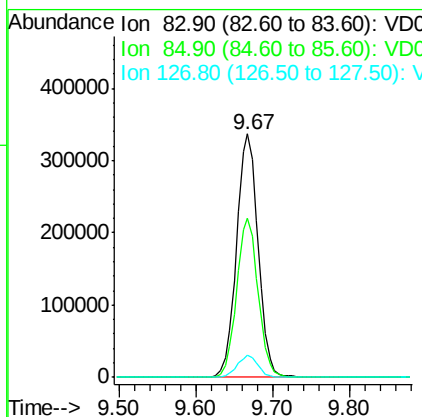
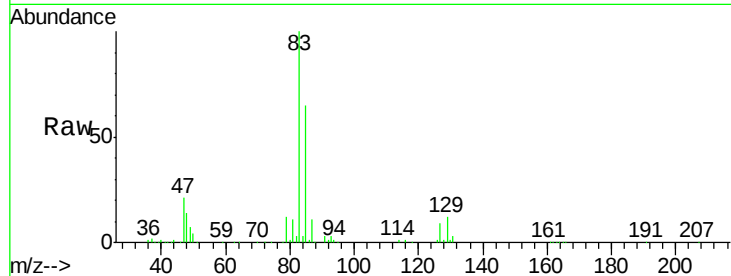
#47
Bromodichloromethane
Concen: 102.911 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	659958		
85	65.1	52.0	78.0	
127	9.0	7.3	10.9	

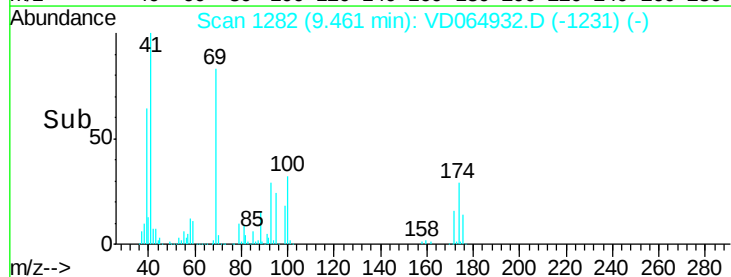
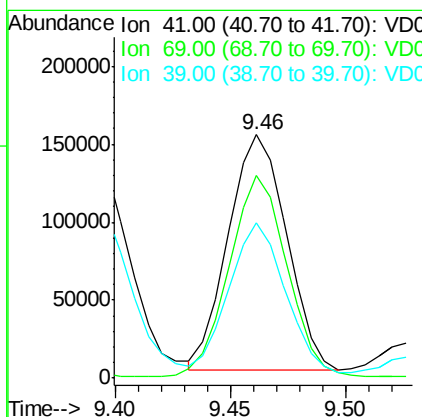
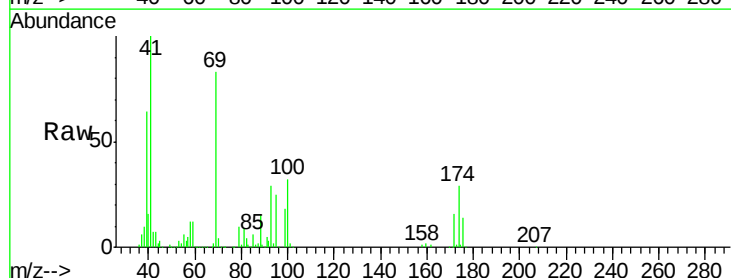
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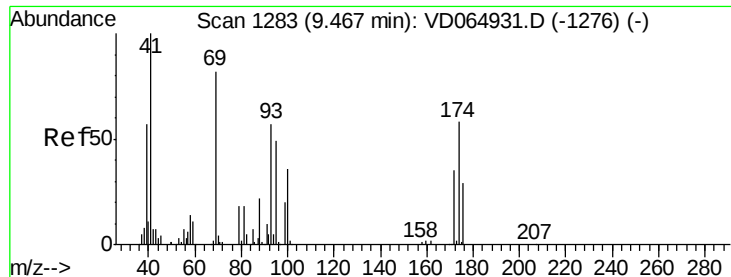
MMDadoda
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#48
Methyl methacrylate
Concen: 108.508 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	263647		
69	87.0	65.8	98.8	
39	61.5	49.4	74.0	





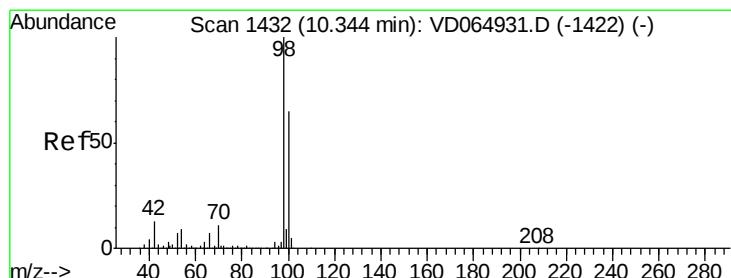
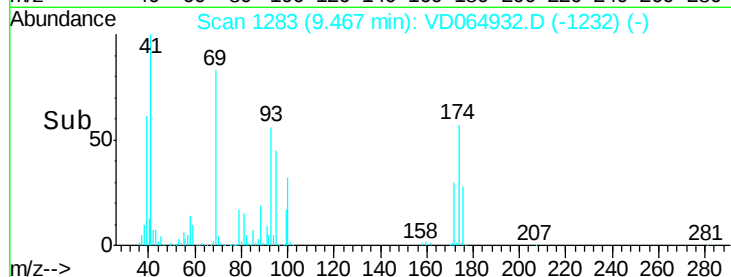
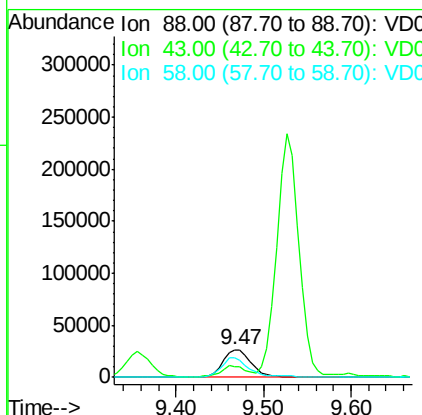
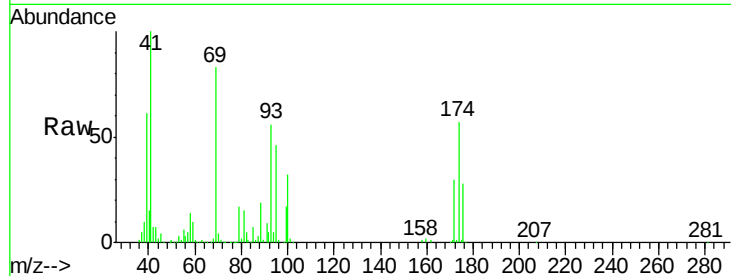
#49
1,4-Dioxane
Concen: 2099.547 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	59172
Ion	Ratio	Lower	Upper
88	100		
43	35.6	26.2	39.4
58	71.4	50.3	75.5

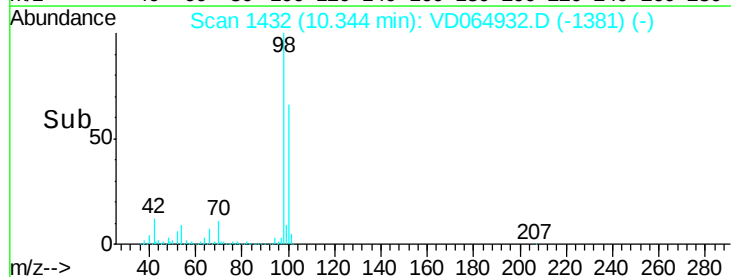
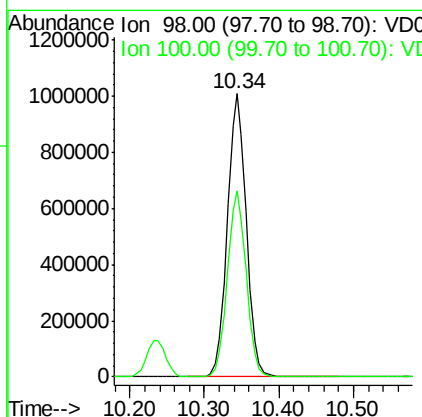
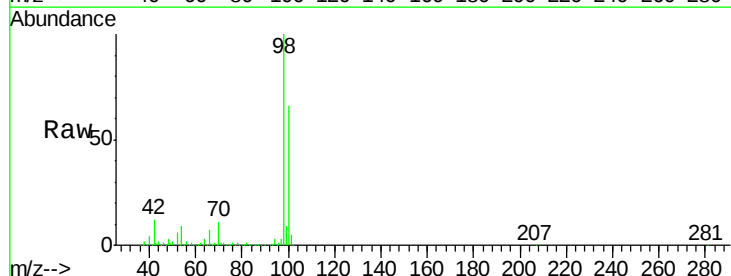
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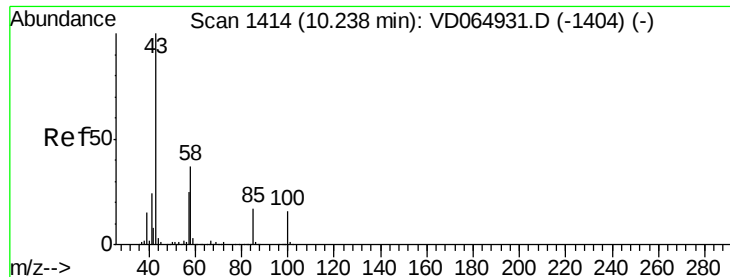
MMDadoda
1/24/2020 4:02:00 PM



#50
Toluene-d8
Concen: 107.685 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	98	Resp	1778983
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 562.278 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1453202

Ion Ratio Lower Upper

43 100

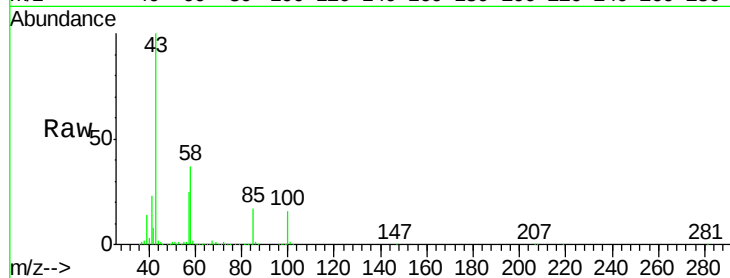
58 37.9 30.4 45.6

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

800000

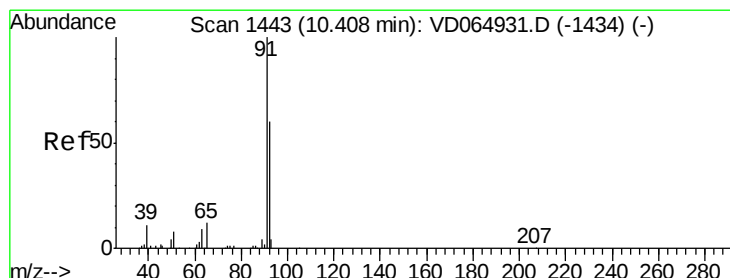
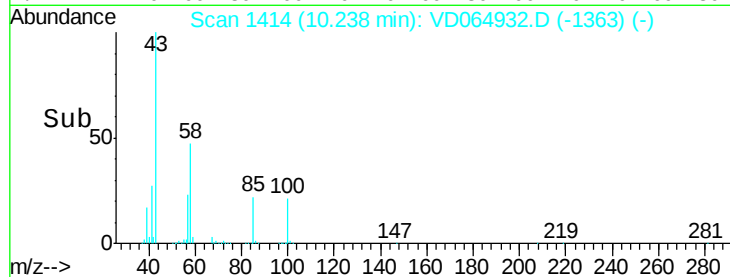
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 109.322 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064932.D

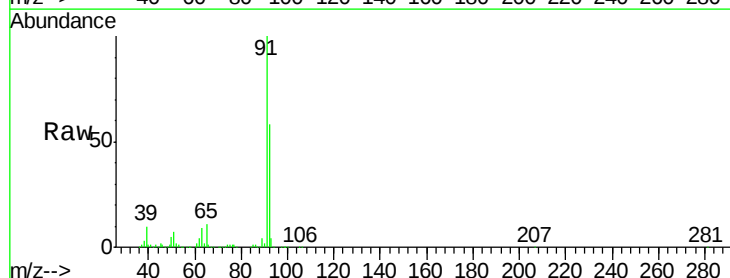
Acq: 23 Jan 2020 12:49

Tgt Ion: 92 Resp: 1303597

Ion Ratio Lower Upper

92 100

91 170.3 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

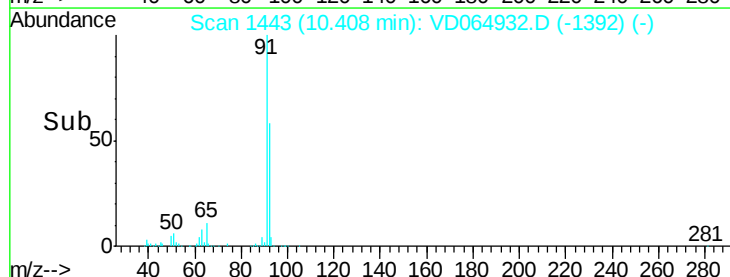
1500000

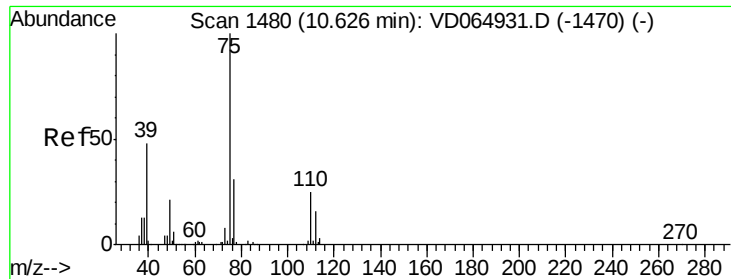
1000000

500000

0

Time-->





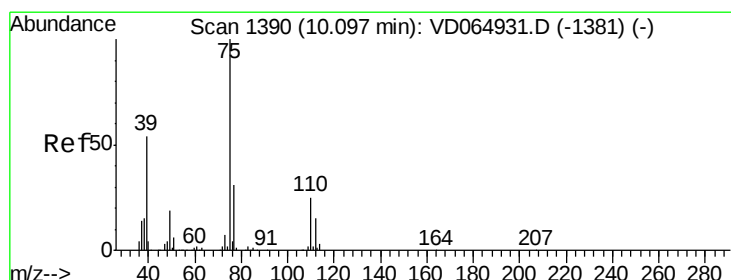
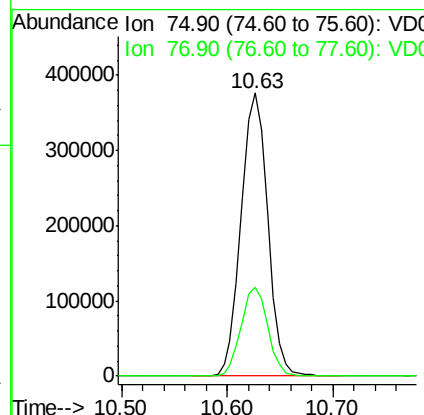
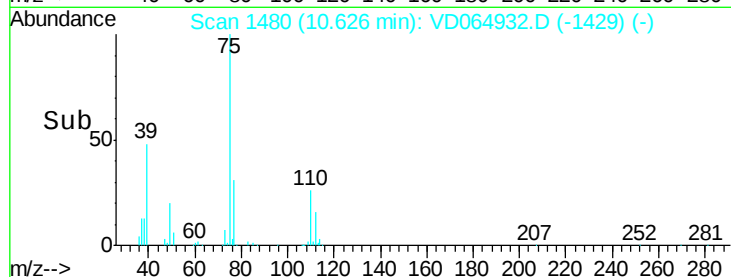
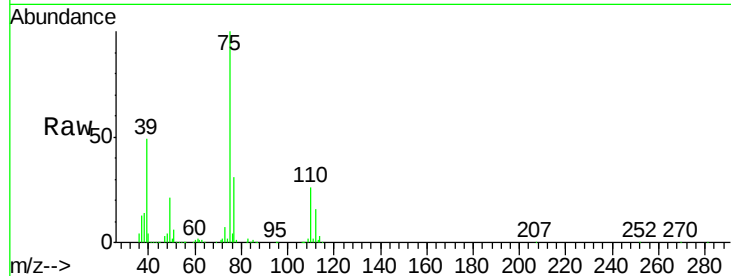
#53
t-1,3-Dichloropropene
Concen: 109.455 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 658107
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

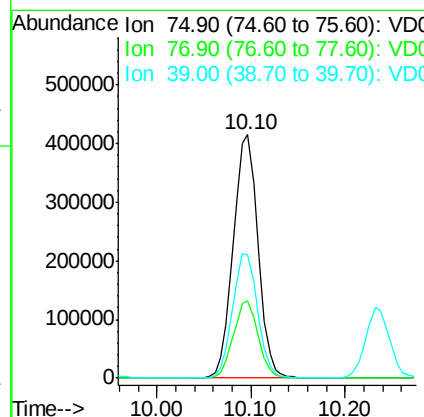
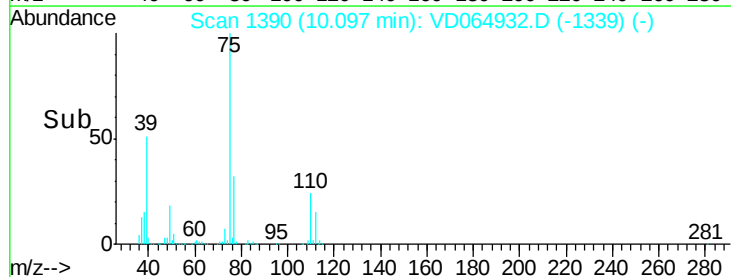
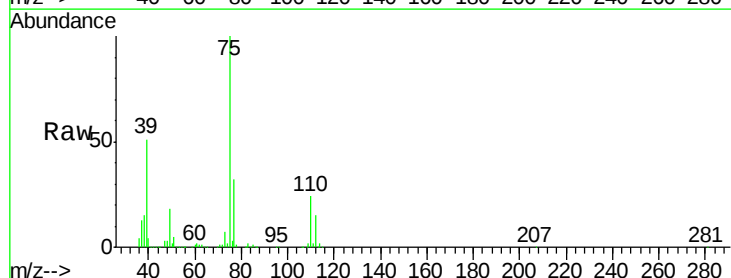
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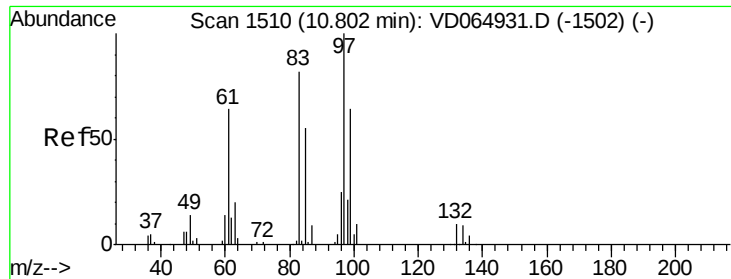
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#54
cis-1,3-Dichloropropene
Concen: 107.882 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 75 Resp: 762675
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 50.5 43.0 64.6





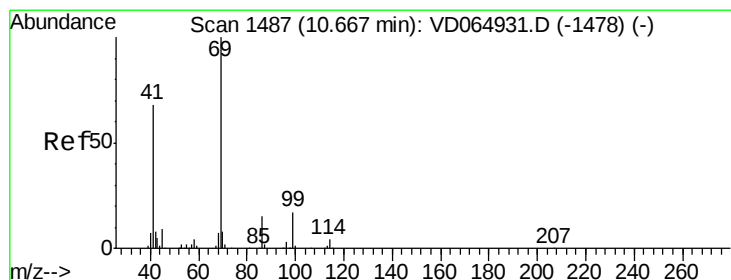
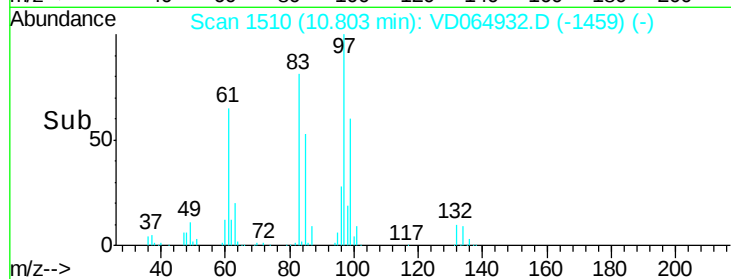
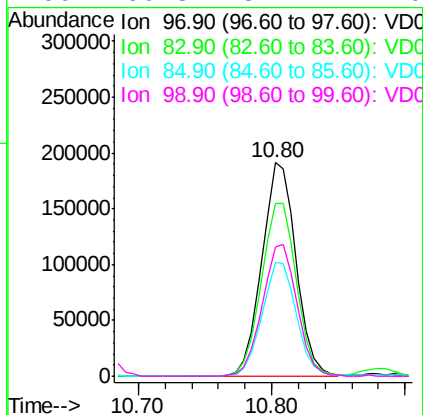
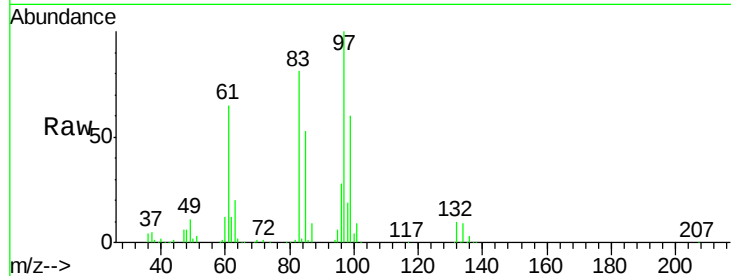
#55
 1,1,2-Trichloroethane
 Concen: 103.770 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	97	Resp	338608
Ion Ratio	Lower	Upper	
97	100		
83	80.8	66.0	99.0
85	53.2	44.4	66.6
99	60.3	51.4	77.0

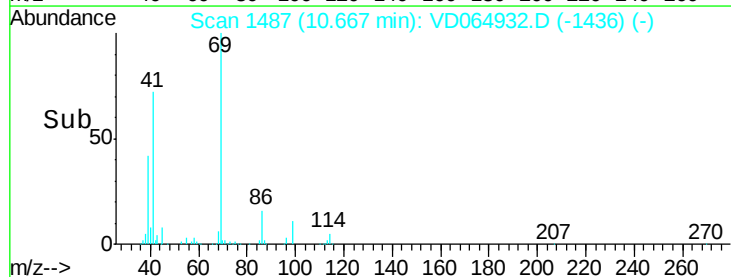
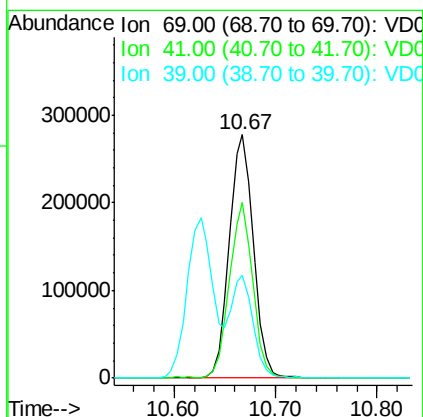
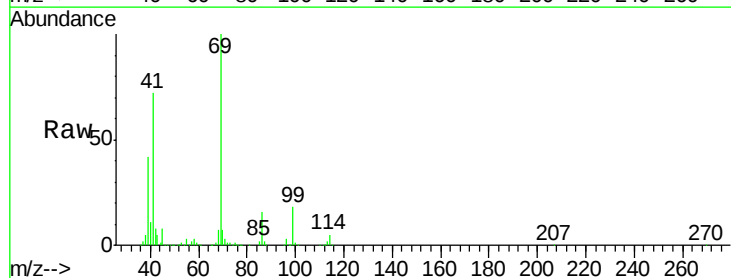
Manual Integrations
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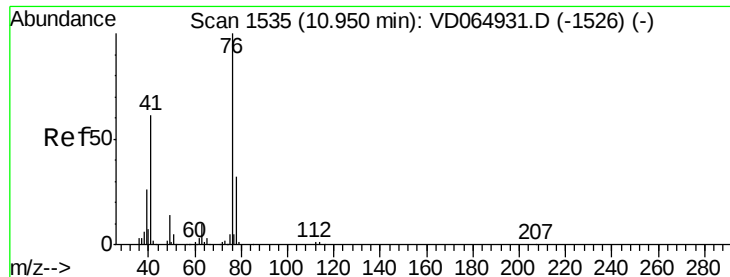
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#56
 Ethyl methacrylate
 Concen: 112.709 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion	69	Resp	458196
Ion Ratio	Lower	Upper	
69	100		
41	69.4	56.4	84.6
39	37.9	30.6	46.0





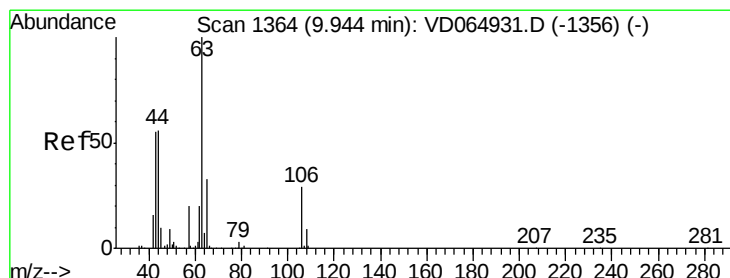
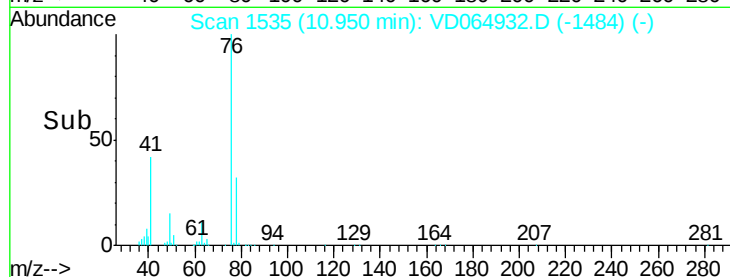
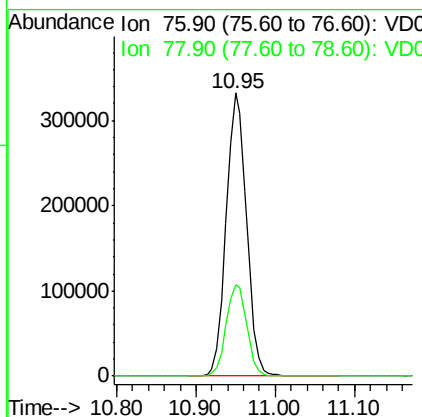
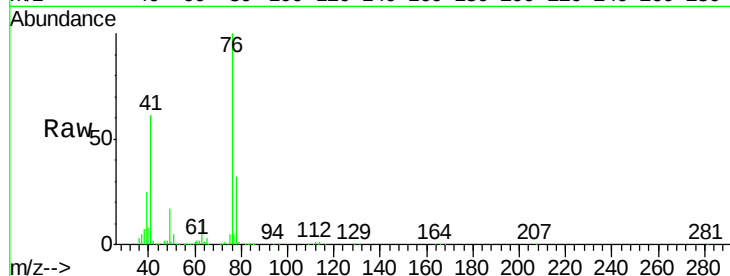
#57
 1,3-Dichloropropane
 Concen: 104.605 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 588099
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

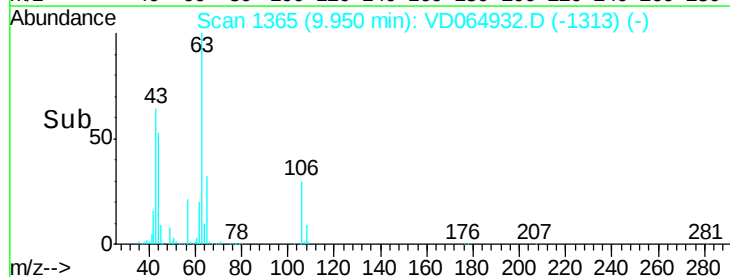
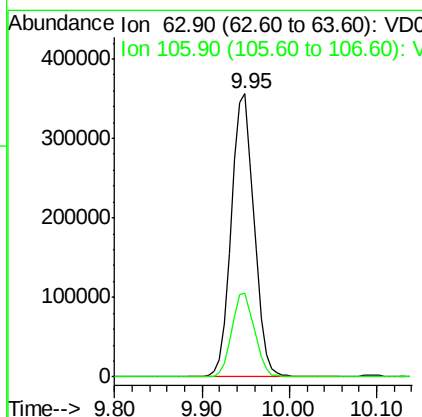
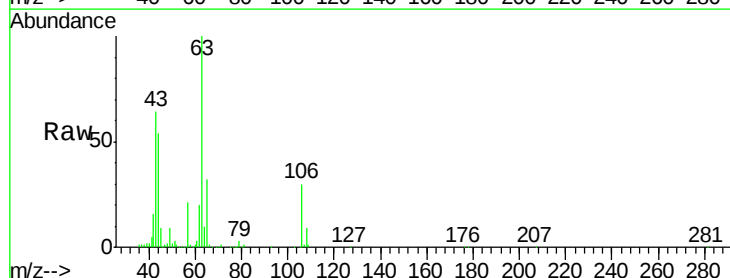
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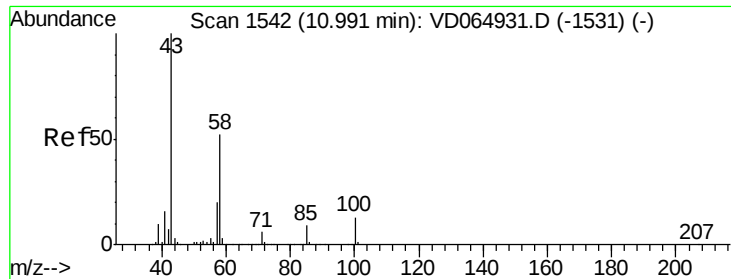
MMDadoda
 1/24/2020 4:02:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 418.308 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion: 63 Resp: 630066
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.4





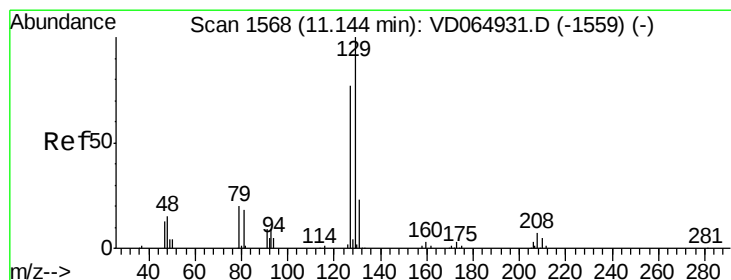
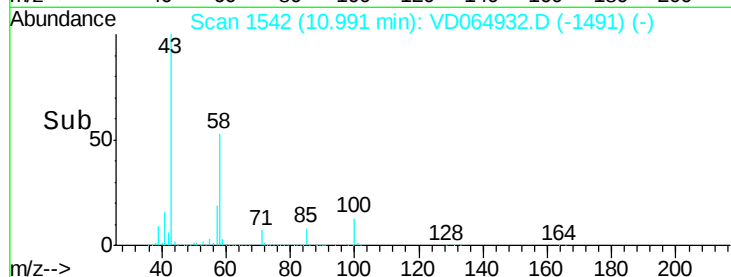
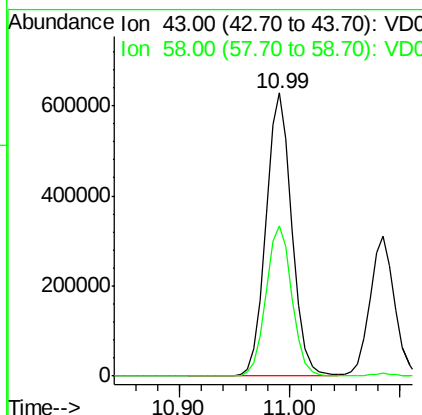
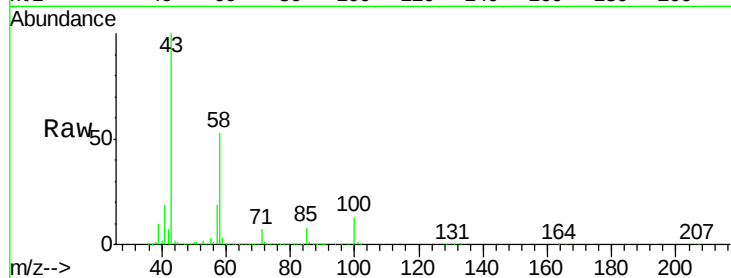
#59
2-Hexanone
Concen: 582.957 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1025065
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.4

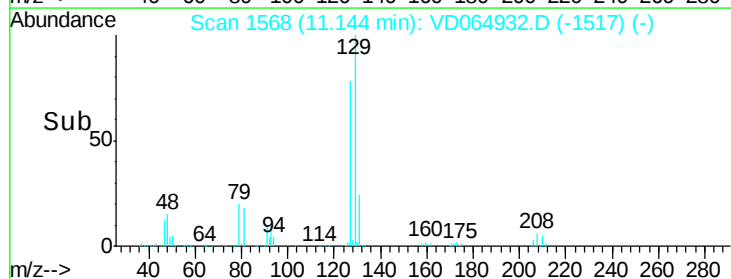
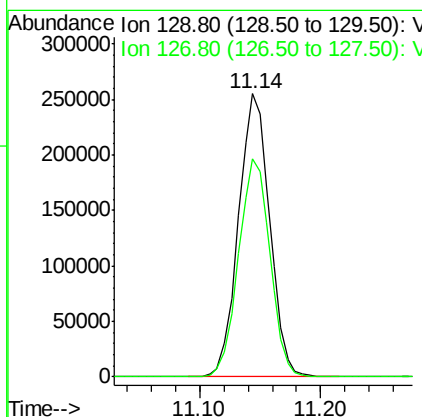
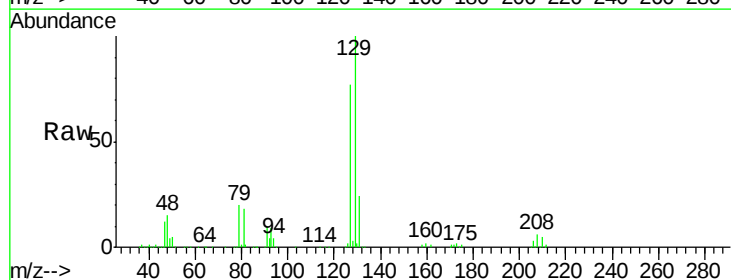
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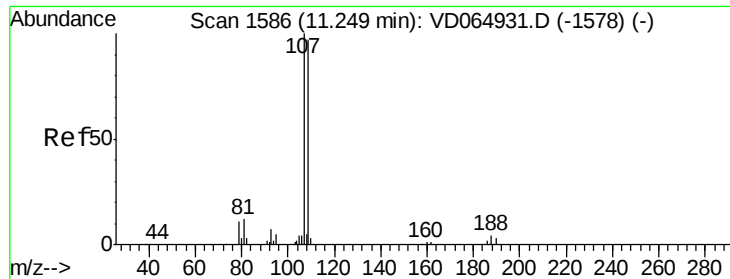
MMDadoda
1/24/2020 4:02:00 PM



#60
Dibromochloromethane
Concen: 102.852 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 129 Resp: 461022
Ion Ratio Lower Upper
129 100
127 78.0 38.2 114.6





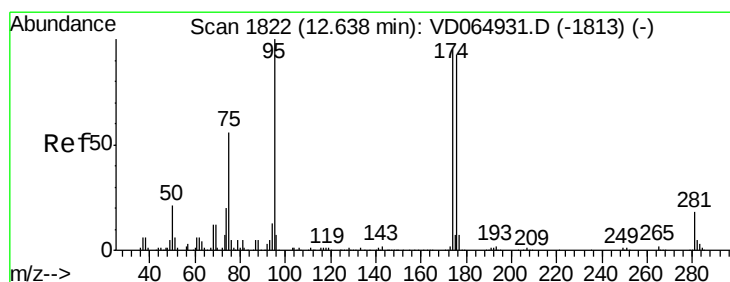
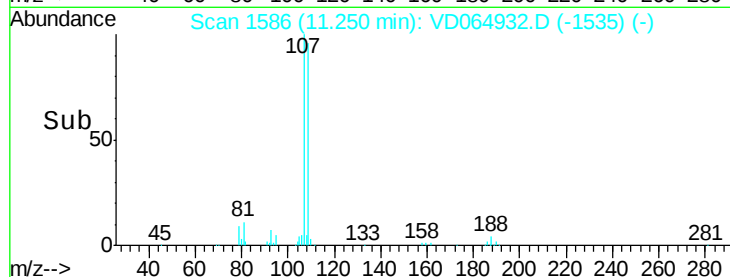
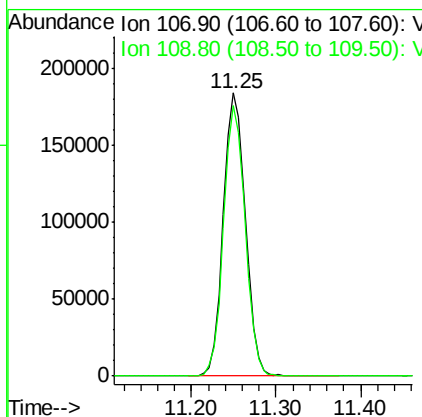
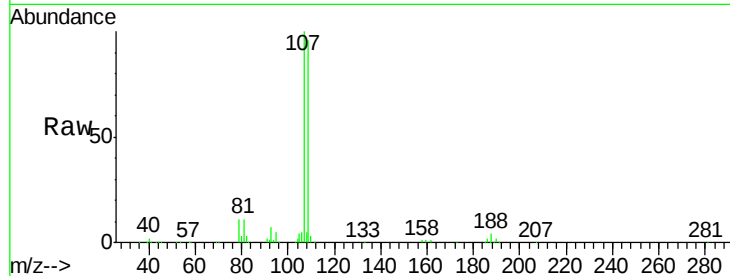
#61
 1,2-Dibromoethane
 Concen: 103.922 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 332587
 Ion Ratio Lower Upper
 107 100
 109 94.0 77.1 115.7

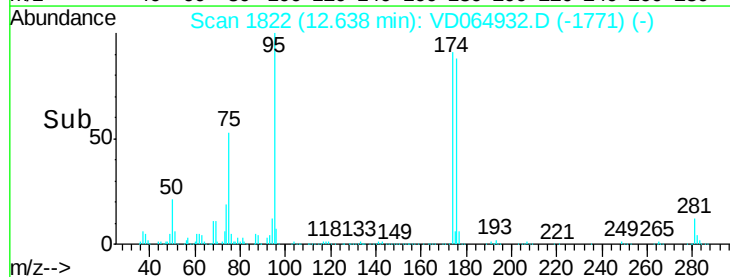
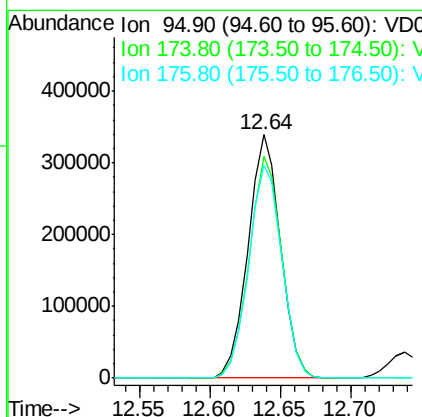
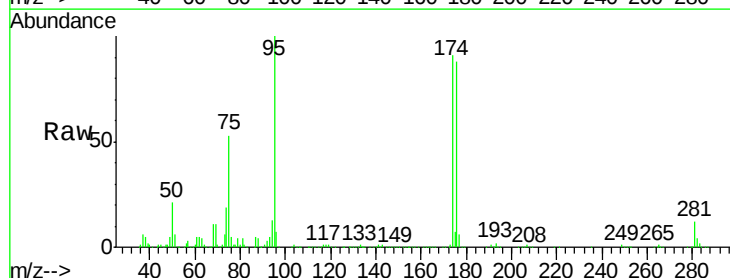
Manual Integrations
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 1/24/2020 4:02:00 PM



#62
 4-Bromofluorobenzene
 Concen: 105.923 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion: 95 Resp: 547000
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 186.8
 176 89.4 0.0 183.4





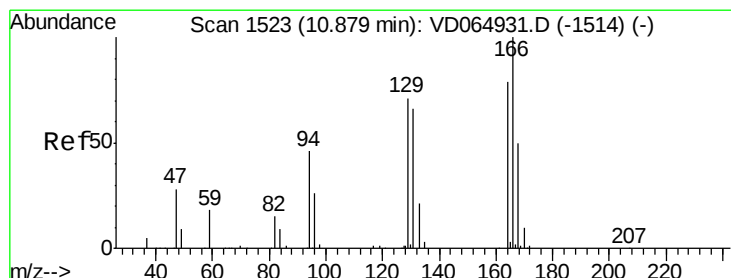
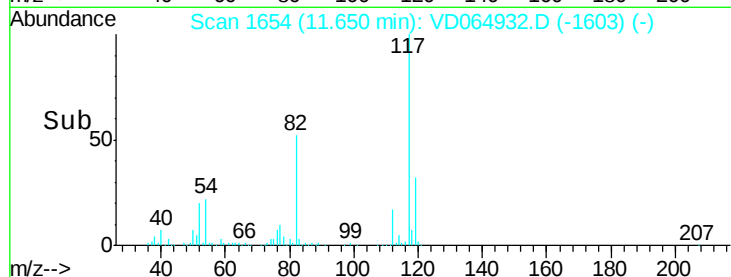
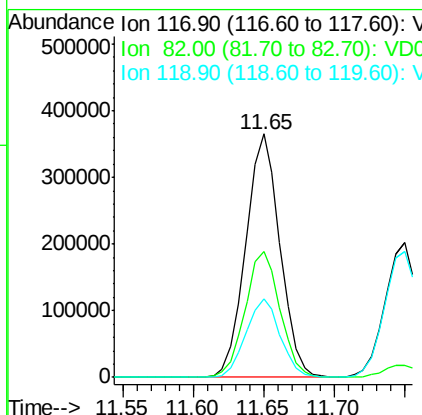
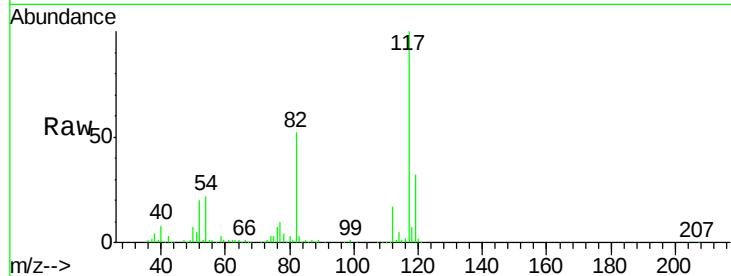
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.6	65.4
119	32.1	25.2	37.8

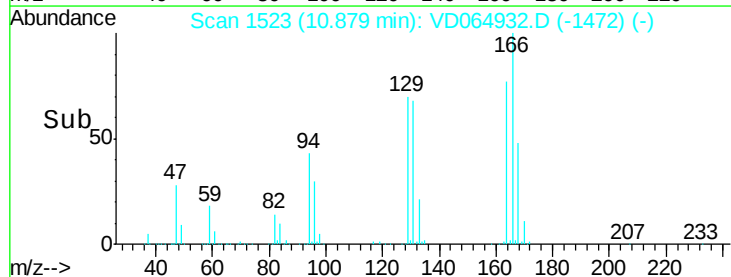
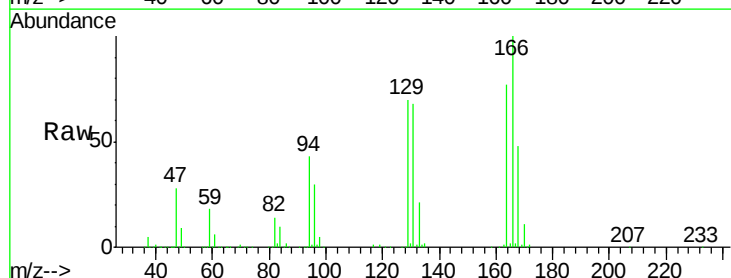
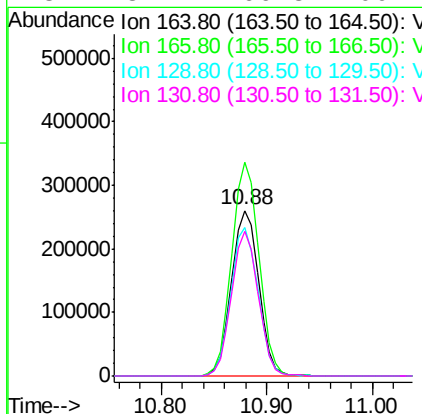
Manual Integrations
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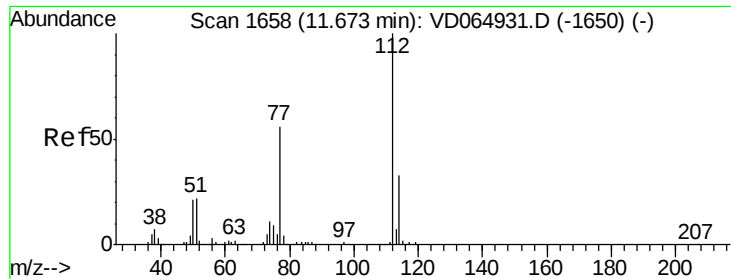
MMDadoda
1/24/2020 4:02:00 PM



#64
Tetrachloroethene
Concen: 98.753 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.4	152.2
129	89.8	71.8	107.8
131	87.2	66.8	100.2





#65

Chlorobenzene

Concen: 103.737 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1318421

Ion Ratio Lower Upper

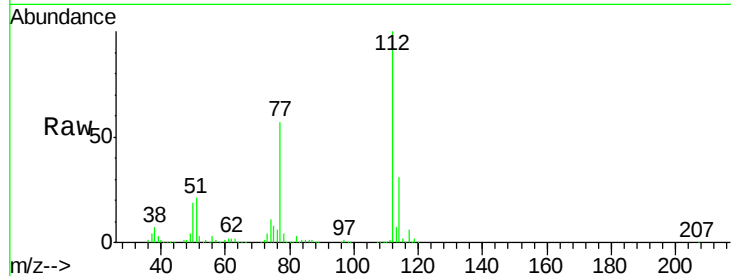
112 100

114 31.0 26.2 39.4

Manual Integrations
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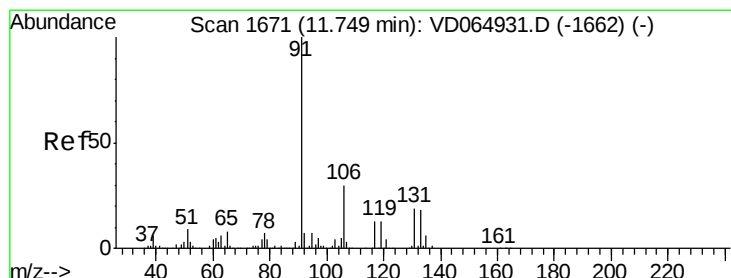
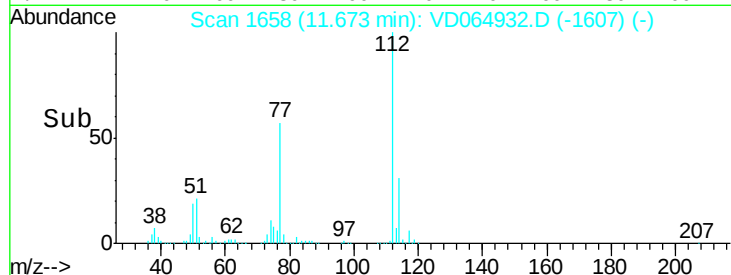
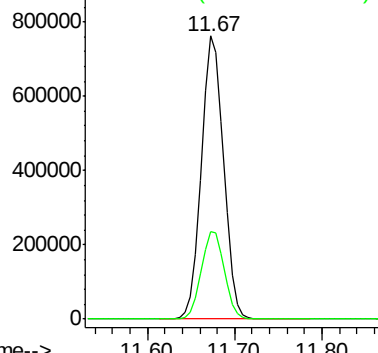
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 104.242 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

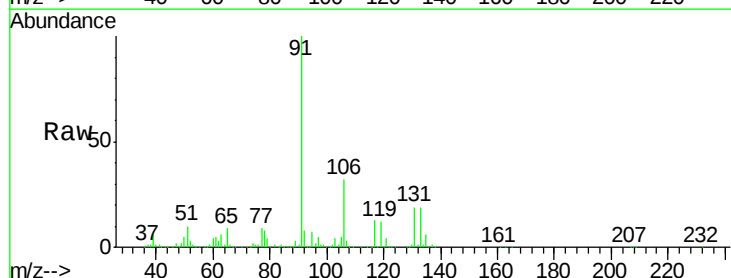
Tgt Ion:131 Resp: 501822

Ion Ratio Lower Upper

131 100

133 96.4 47.5 142.5

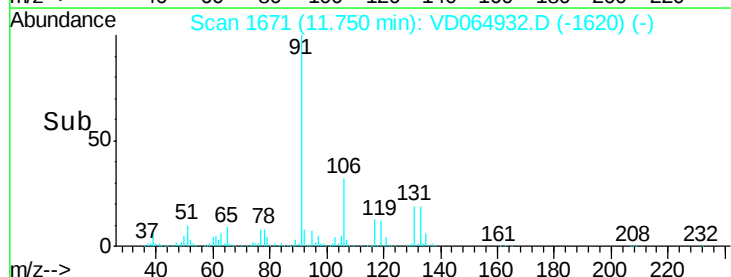
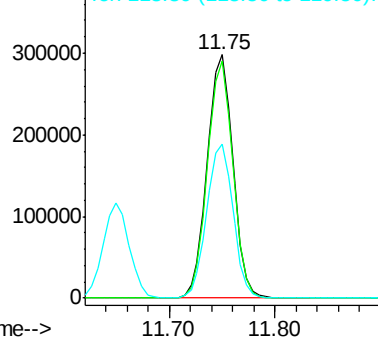
119 64.8 31.1 93.5

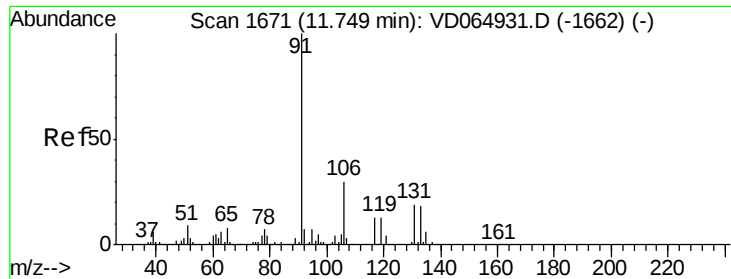


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





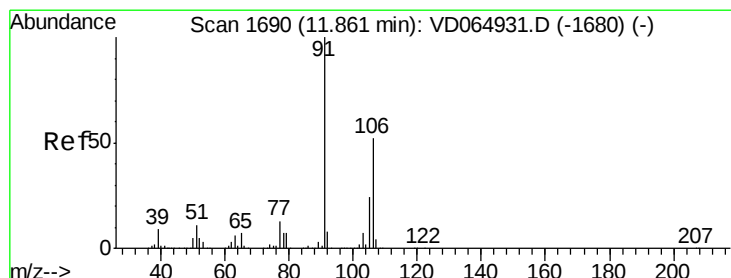
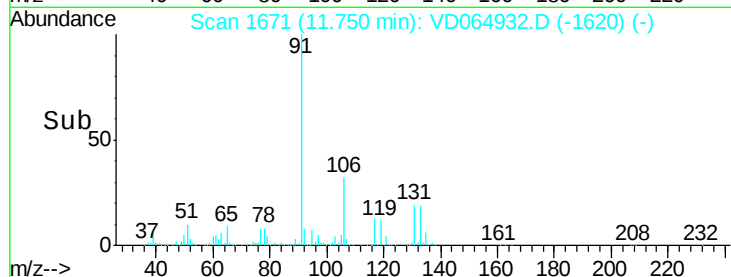
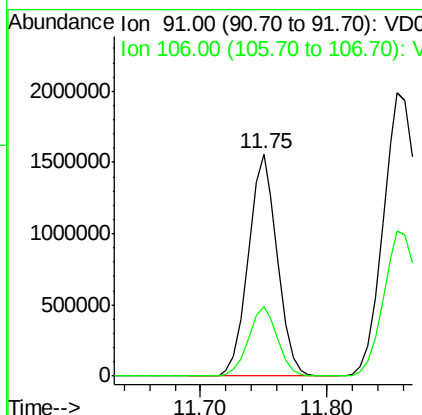
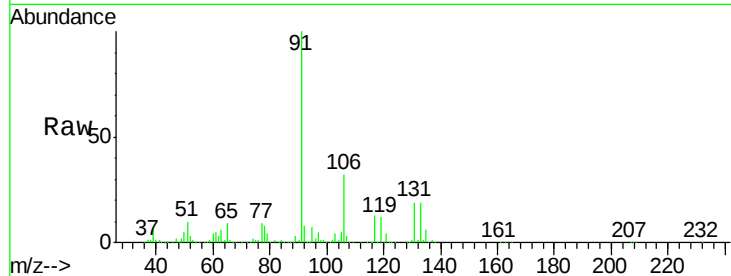
#67
Ethyl Benzene
Concen: 106.625 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2472383
Ion Ratio Lower Upper
91 100
106 31.5 24.3 36.5

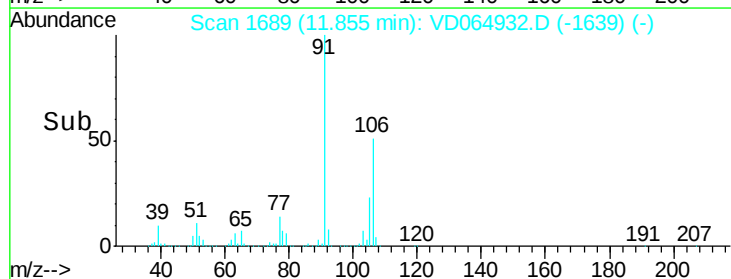
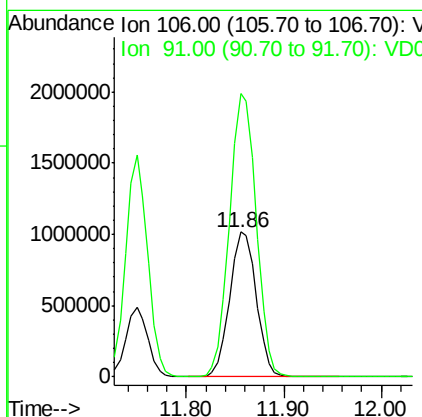
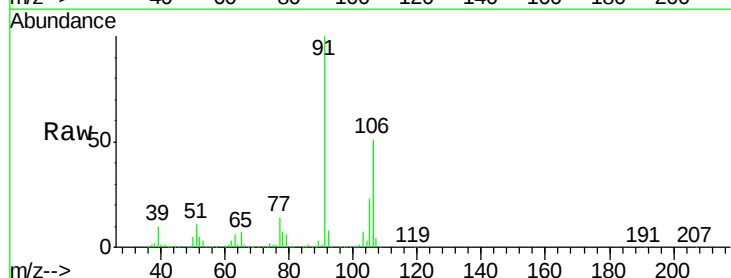
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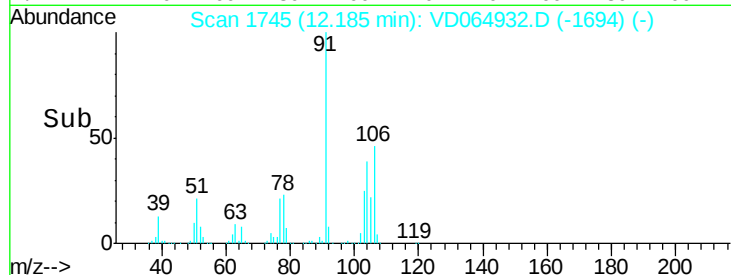
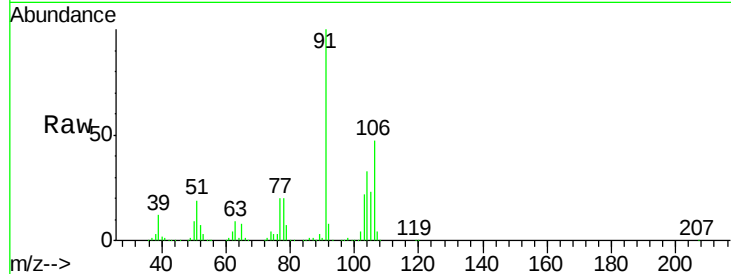
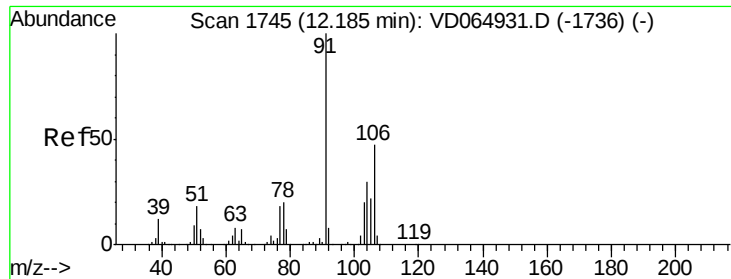
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#68
m/p-Xylenes
Concen: 215.622 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 106 Resp: 1925091
Ion Ratio Lower Upper
106 100
91 196.6 159.0 238.4





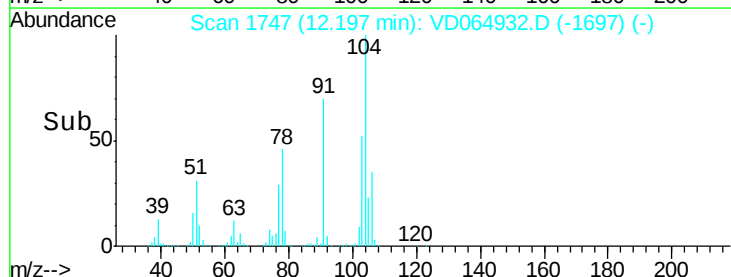
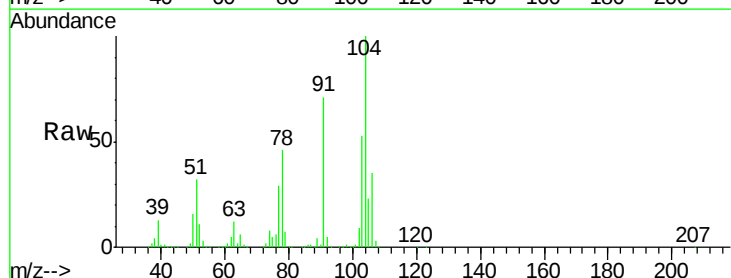
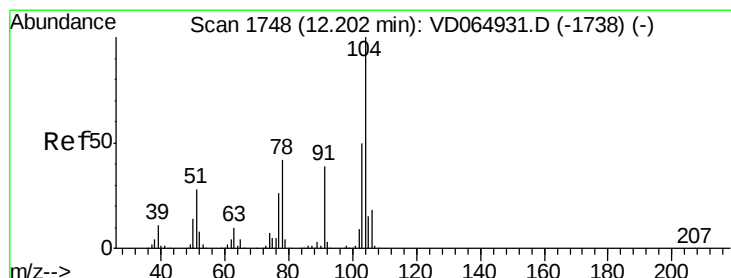
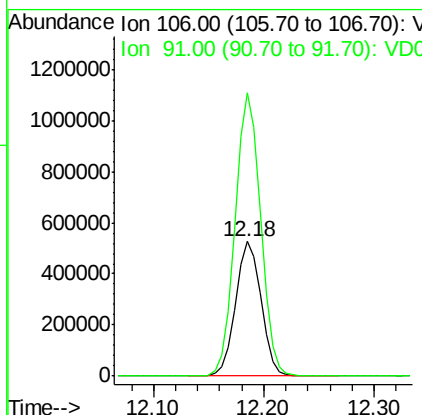
#69
o-Xylene
Concen: 106.198 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tot Ion:106 Resp: 854654
Ion Ratio Lower Upper
106 100
91 210.9 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

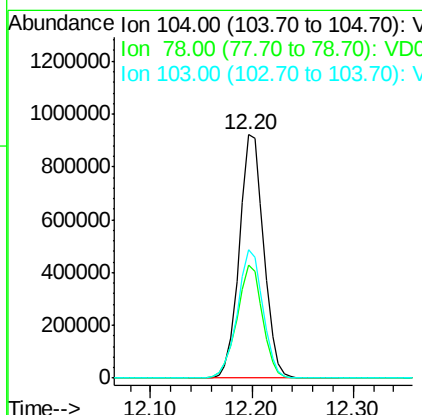
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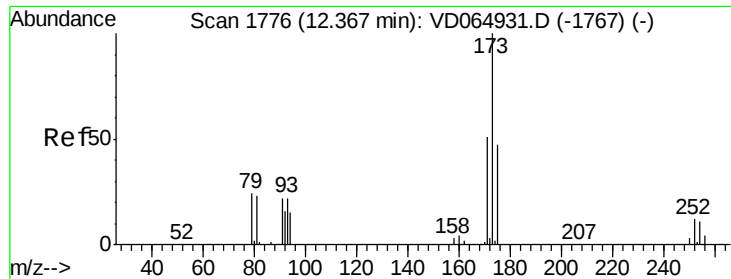
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#70
Styrene
Concen: 108.083 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion:104 Resp: 1535774
Ion Ratio Lower Upper
104 100
78 48.7 38.3 57.5
103 55.1 43.5 65.3





#71

Bromoform

Concen: 101.967 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 278288

Ion Ratio Lower Upper

173 100

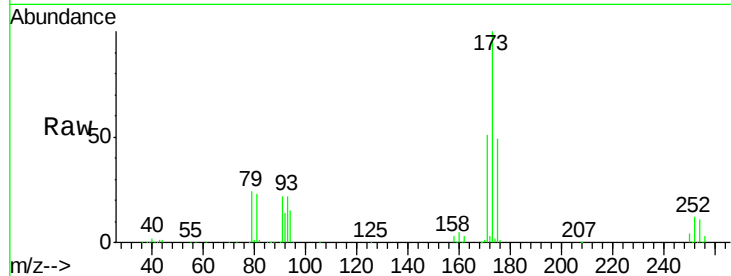
175 47.9 24.6 73.8

254 0.2 0.1 0.1#

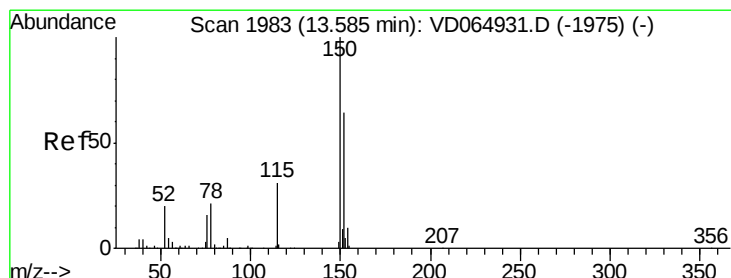
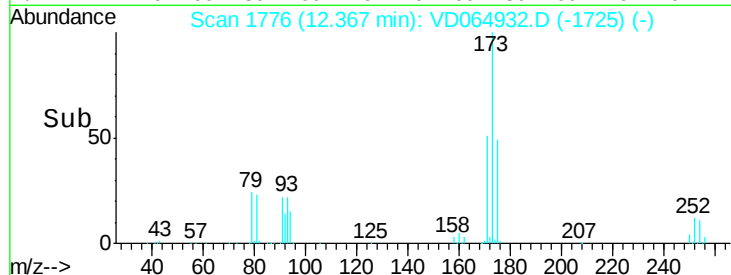
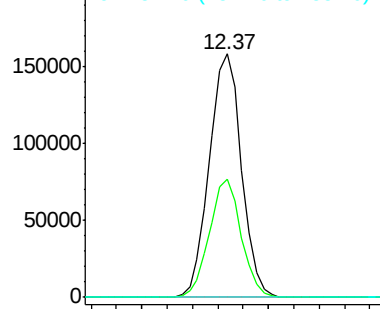
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

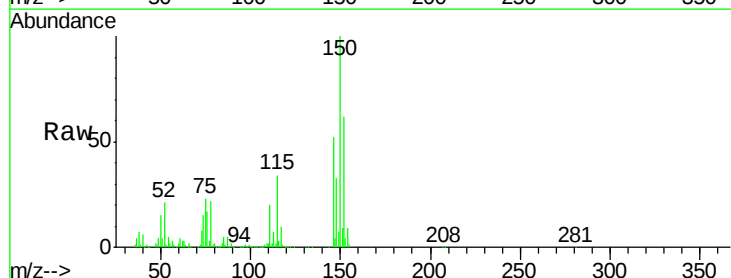
Tgt Ion:152 Resp: 316958

Ion Ratio Lower Upper

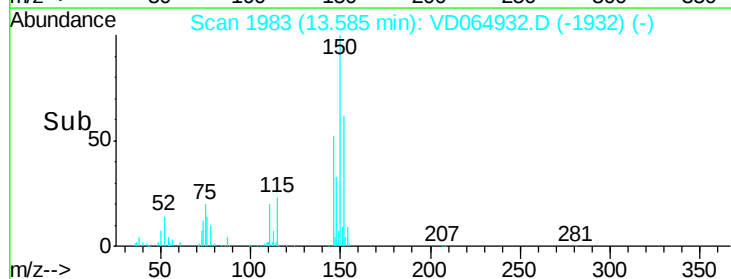
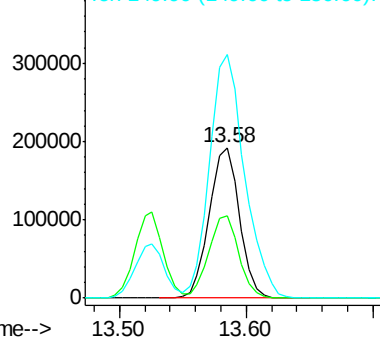
152 100

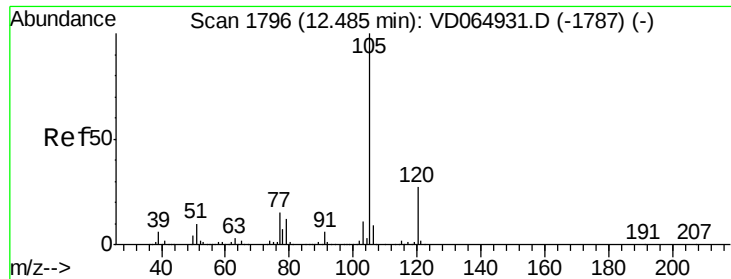
115 54.5 28.1 84.4

150 188.0 0.0 350.4



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





#73

Isopropylbenzene

Concen: 103.850 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 2333560

Ion Ratio Lower Upper

105 100

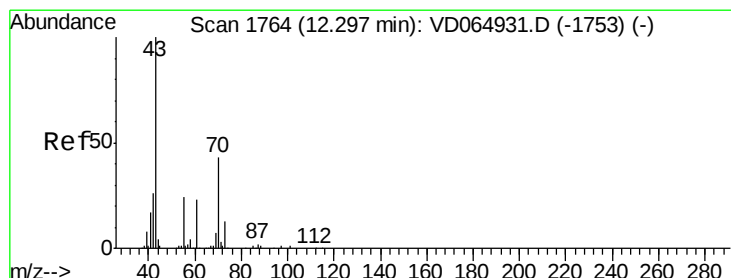
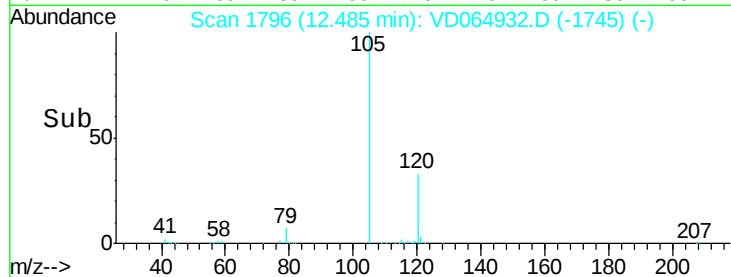
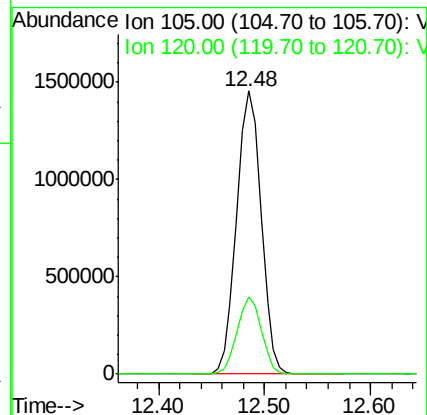
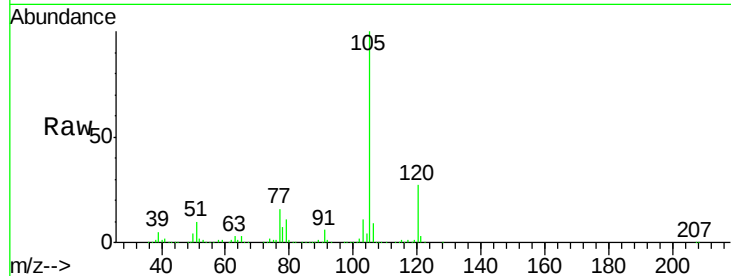
120 26.9 13.3 39.8

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#74

N-ethyl acetate

Concen: 109.717 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion: 43 Resp: 528409

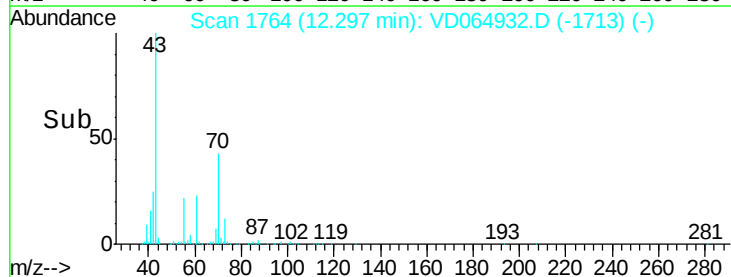
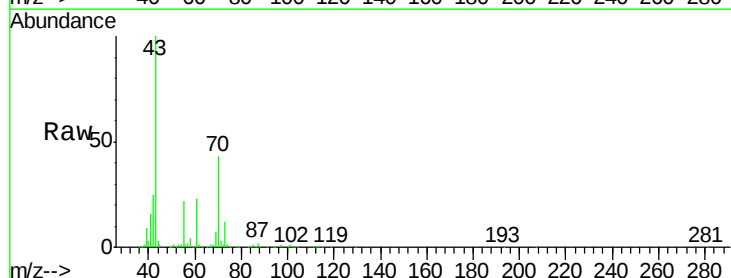
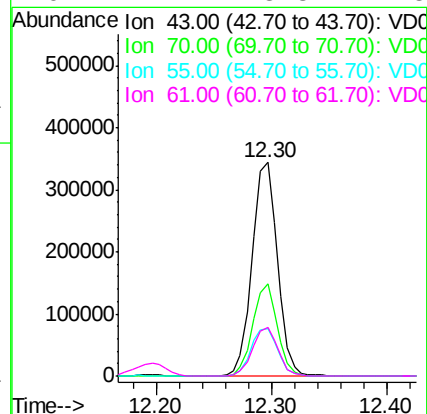
Ion Ratio Lower Upper

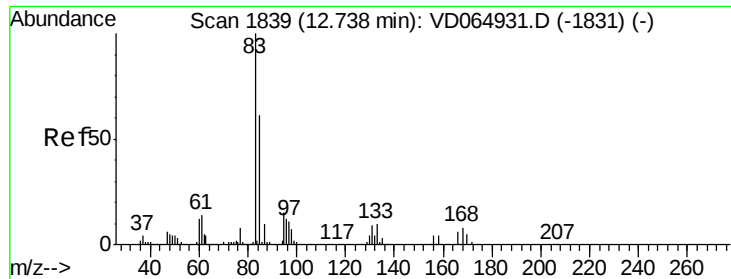
43 100

70 41.7 32.6 49.0

55 23.3 19.9 29.9

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 101.378 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 360183

Ion Ratio Lower Upper

83 100

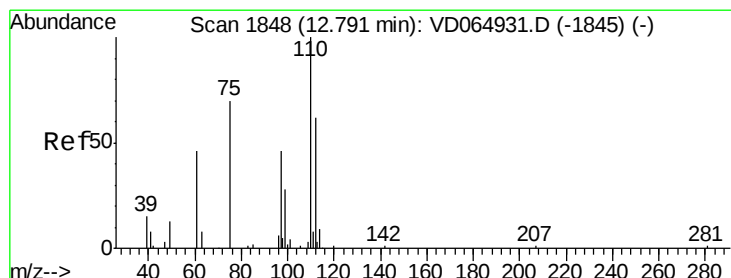
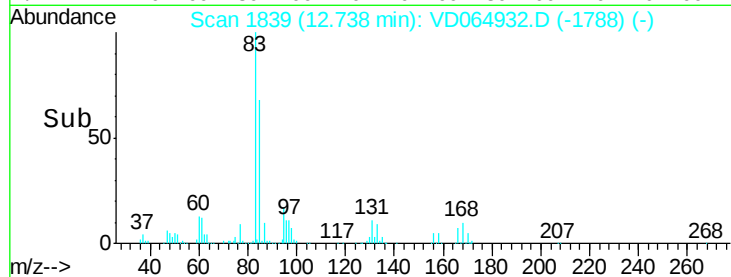
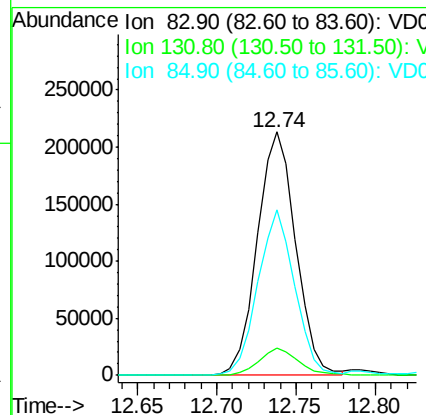
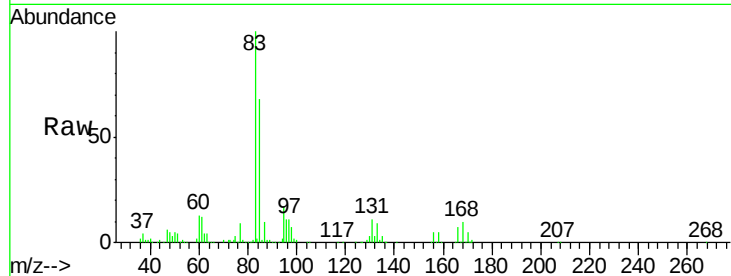
131 11.6 5.5 16.4

85 65.3 31.6 94.7

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#76

1,2,3-Trichloropropane

Concen: 92.887 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064932.D

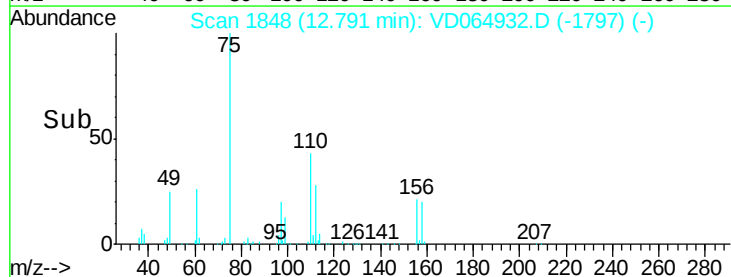
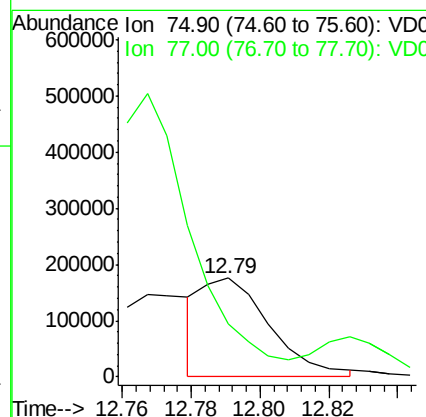
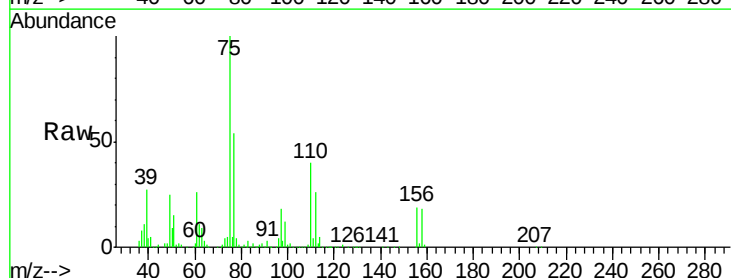
Acq: 23 Jan 2020 12:49

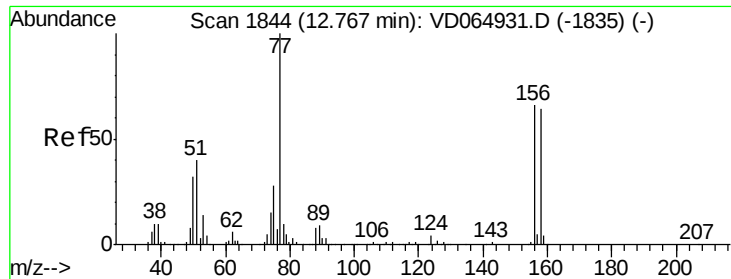
Tgt Ion: 75 Resp: 242210

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 98.191 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

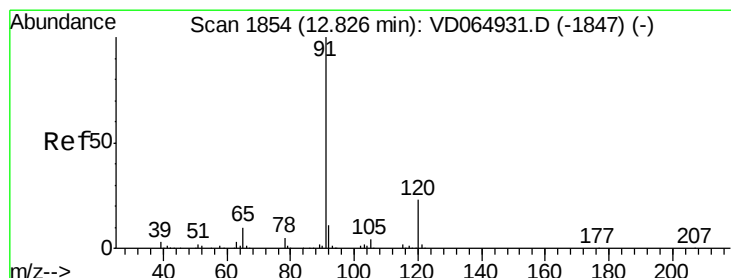
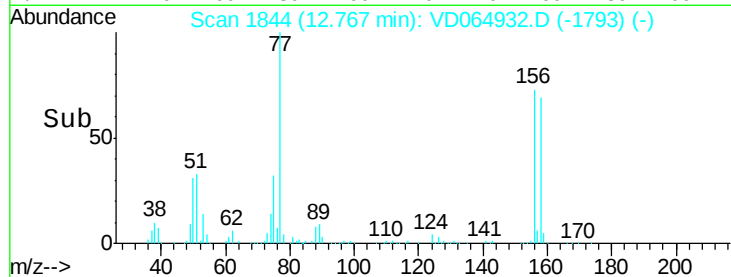
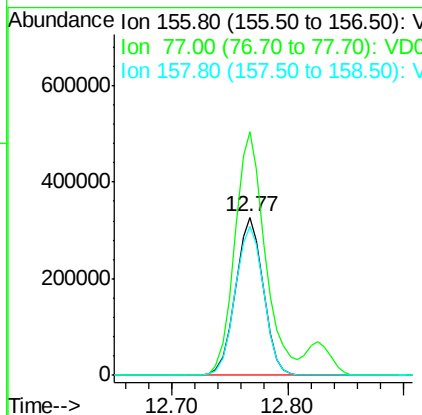
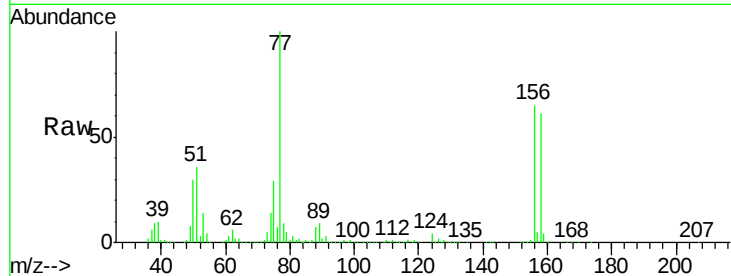
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.6	84.2	252.5
158	96.9	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 103.948 ug/l

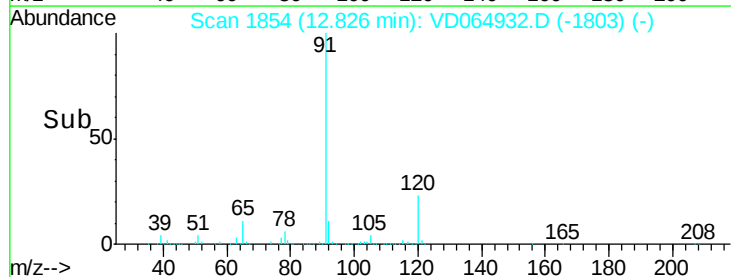
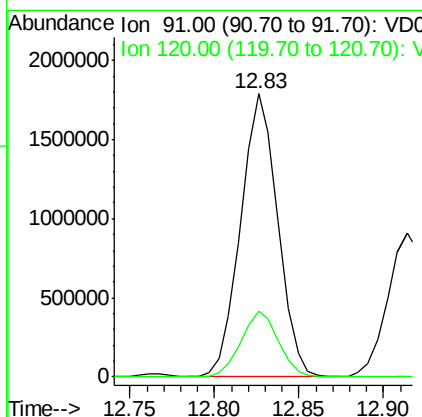
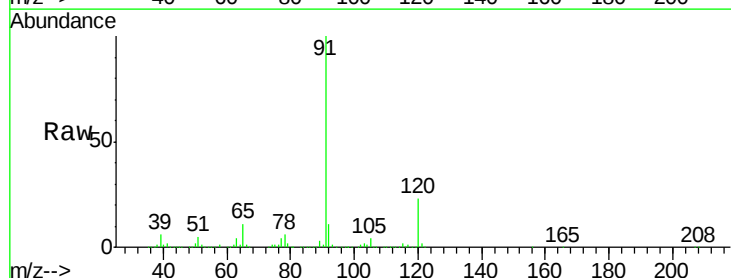
RT: 12.83 min Scan# 1854

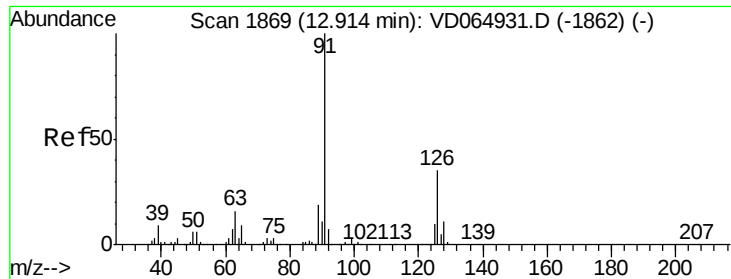
Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1





#79

2-Chlorotoluene

Concen: 102.475 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1479912

Ion Ratio Lower Upper

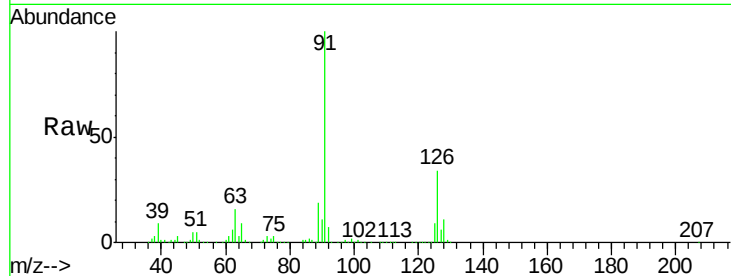
91 100

126 35.0 17.9 53.8

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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064931.D (-1862) (-)

1000000

800000

600000

400000

200000

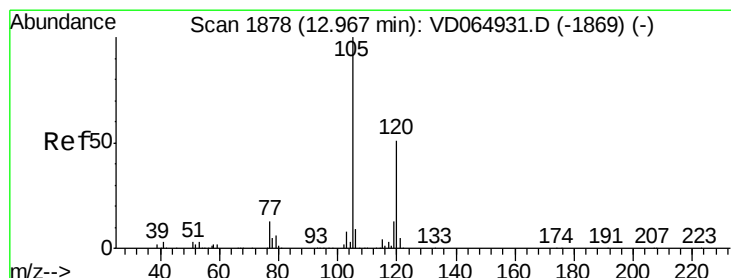
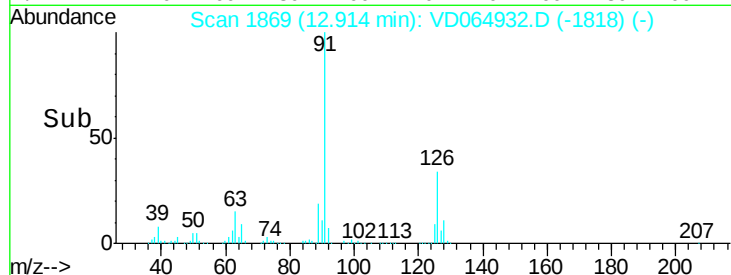
0

12.85

12.91

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 104.763 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064932.D

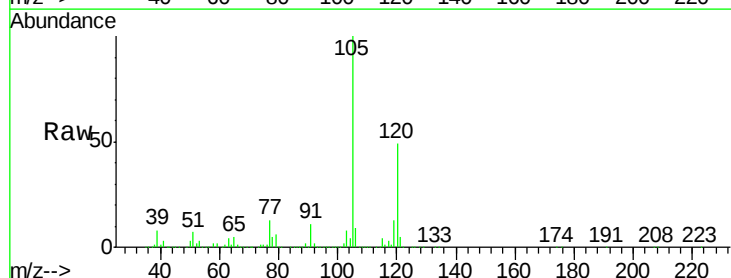
Acq: 23 Jan 2020 12:49

Tgt Ion:105 Resp: 1928583

Ion Ratio Lower Upper

105 100

120 49.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064931.D (-1869) (-)

1000000

500000

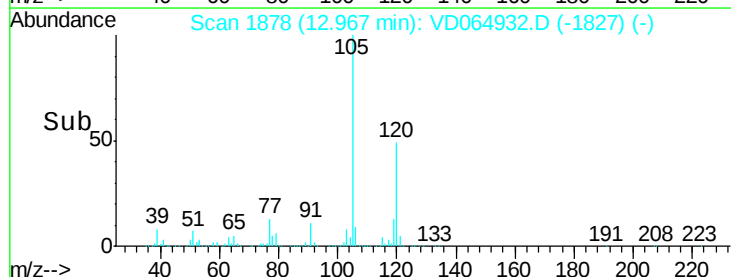
0

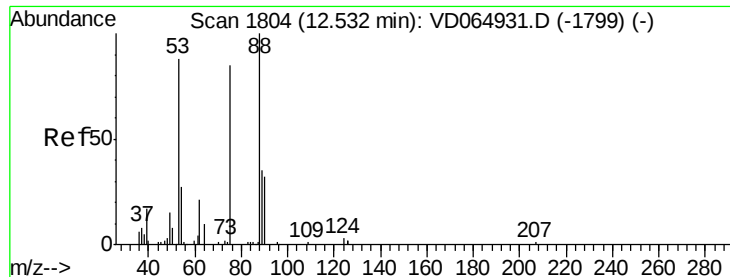
12.90

12.97

13.00

Time-->





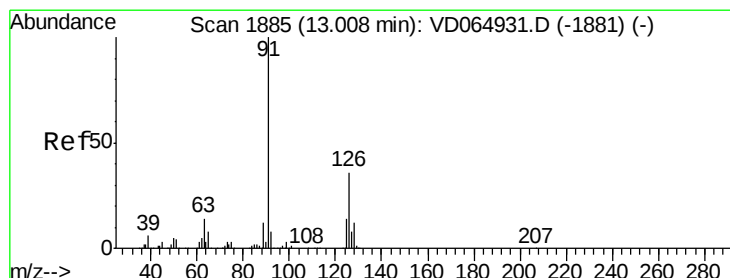
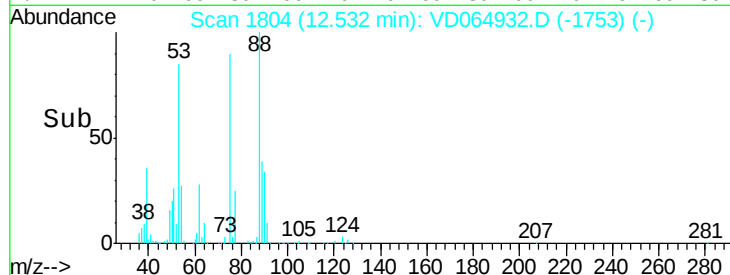
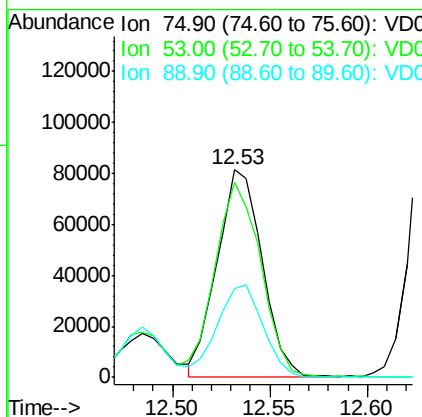
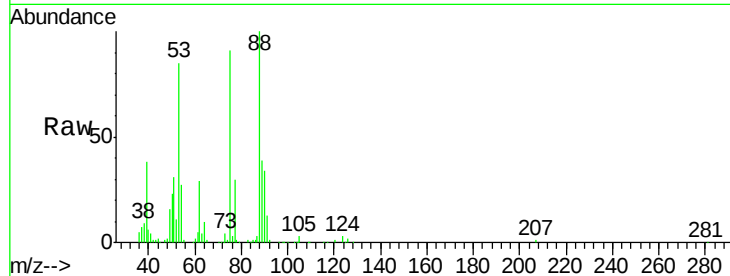
#81
trans-1,4-Dichloro-2-butene
Concen: 107.826 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	81.0	121.4
89	45.6	36.2	54.4

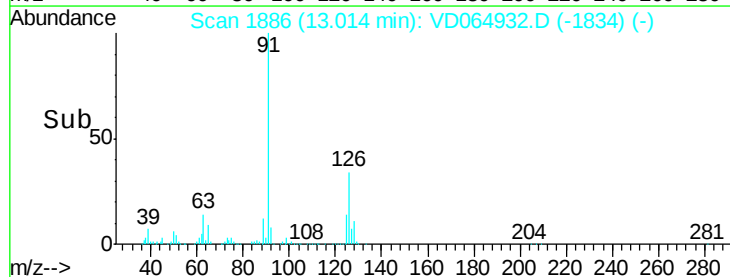
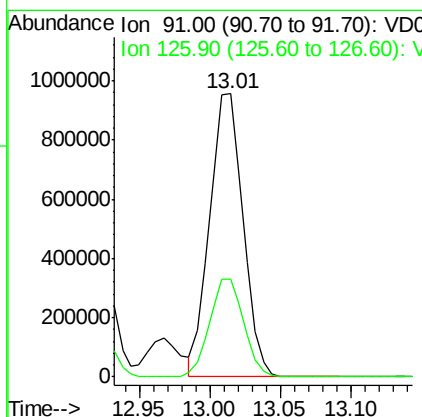
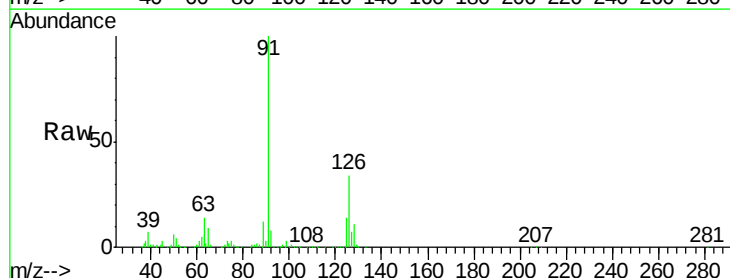
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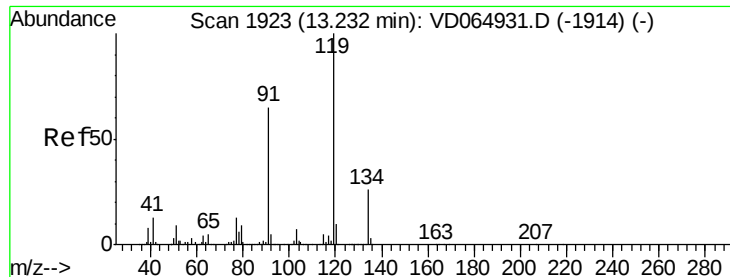
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#82
4-Chlorotoluene
Concen: 102.275 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	18.0	54.0





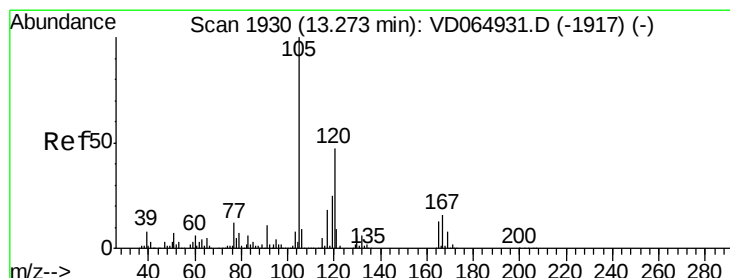
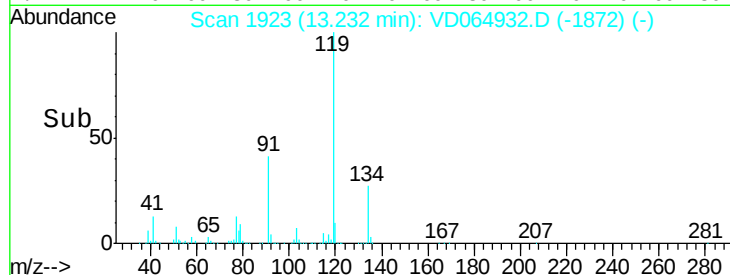
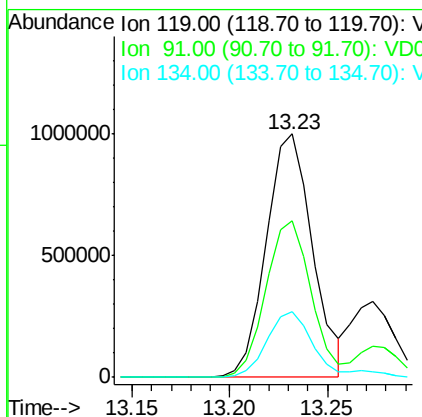
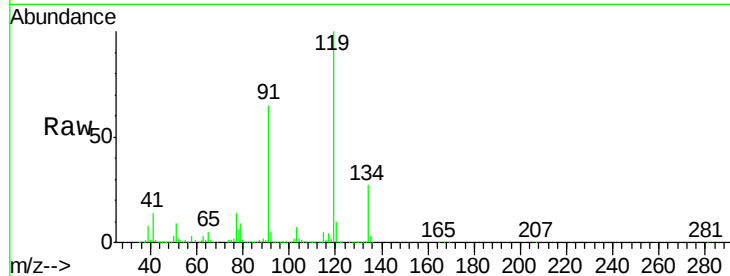
#83
 tert-Butylbenzene
 Concen: 103.151 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1646395
 Ion Ratio Lower Upper
 119 100
 91 62.6 32.0 96.0
 134 26.1 13.9 41.6

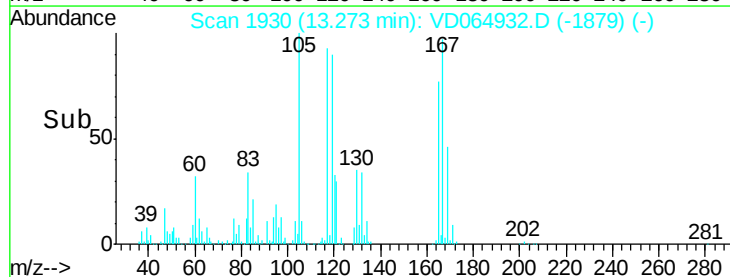
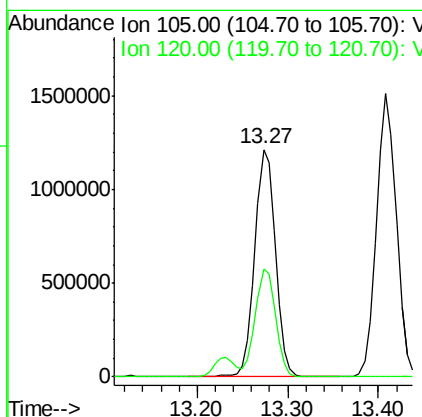
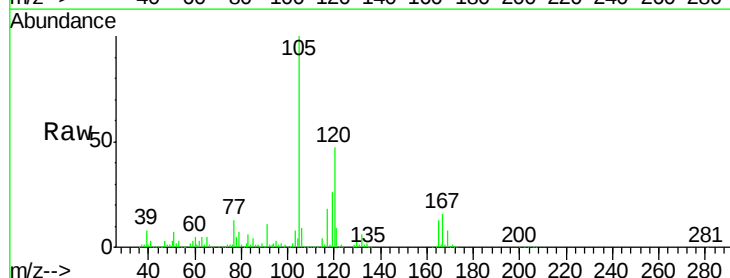
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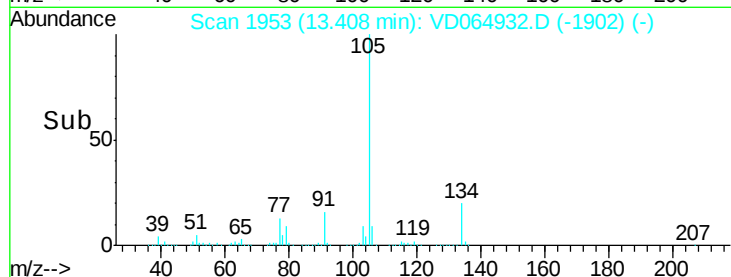
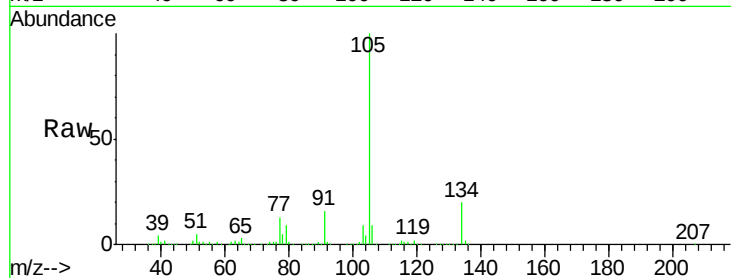
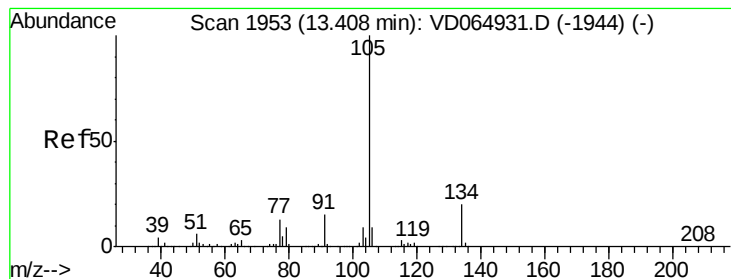
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#84
 1,2,4-Trimethylbenzene
 Concen: 104.159 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion:105 Resp: 1916754
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.3





#85

sec-Butylbenzene

Concen: 104.351 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tot Ion:105 Resp: 2289814

Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.4

Instrument :

MSVOA_D

ClientSampleId :

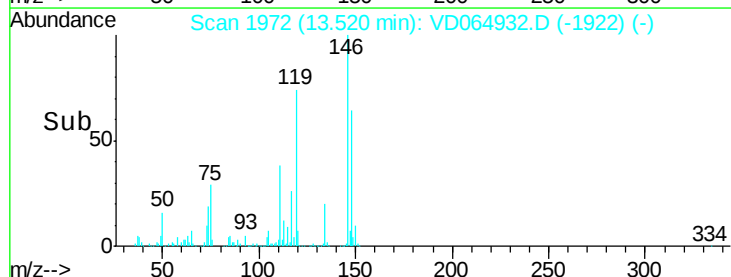
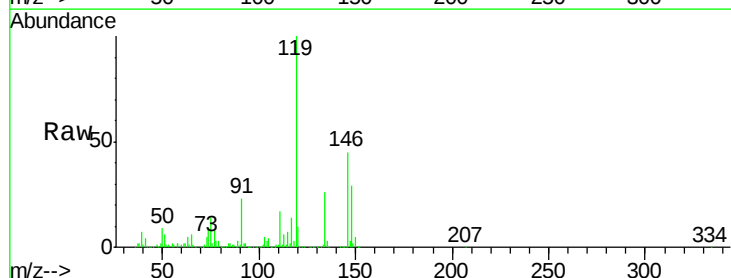
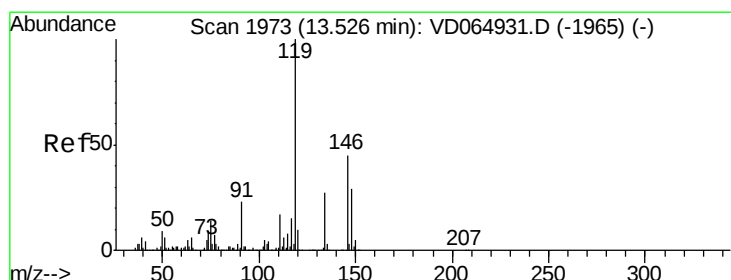
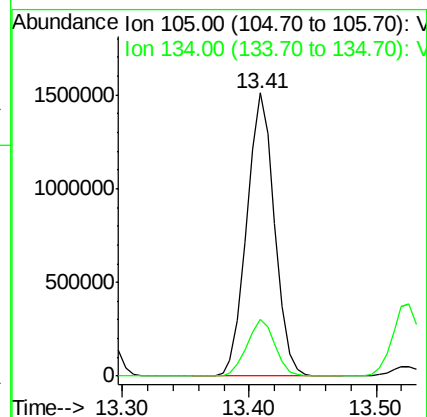
VSTDIC100

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#86

p-Isopropyltoluene

Concen: 105.122 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

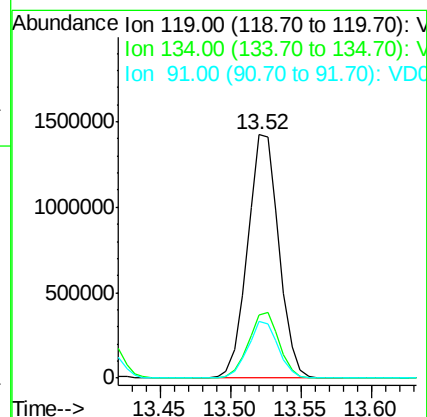
Tgt Ion:119 Resp: 2202854

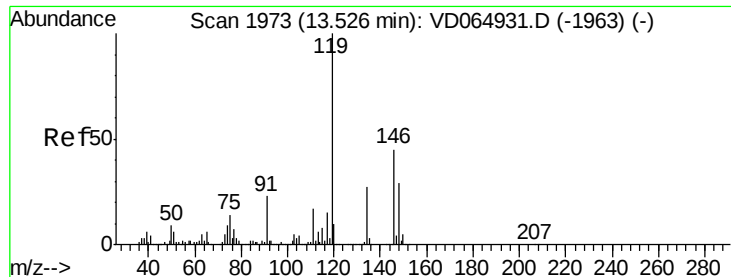
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.5 11.4 34.2





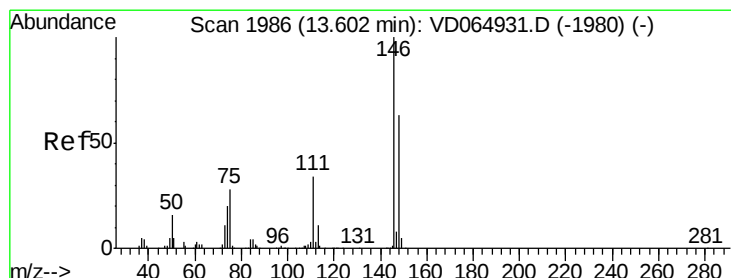
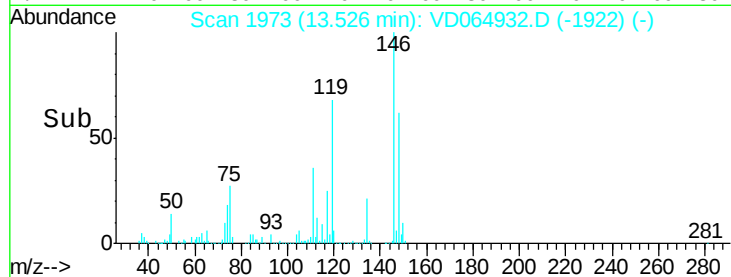
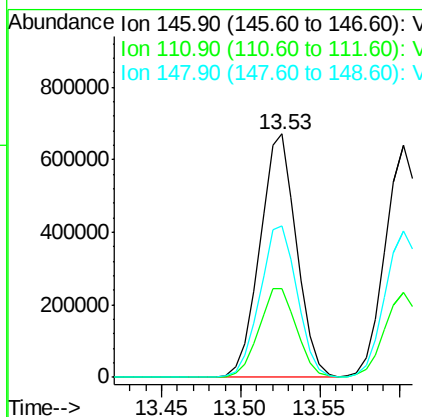
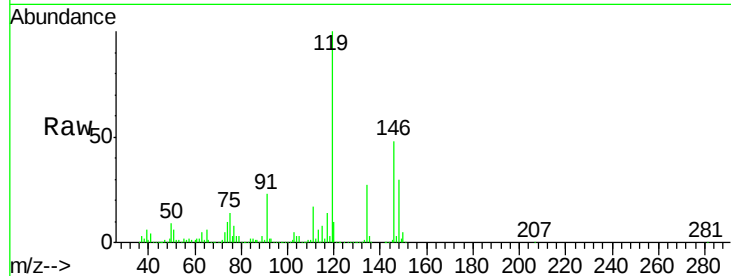
#87
 1,3-Dichlorobenzene
 Concen: 102.478 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1075817
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.9
 148 63.6 32.6 97.7

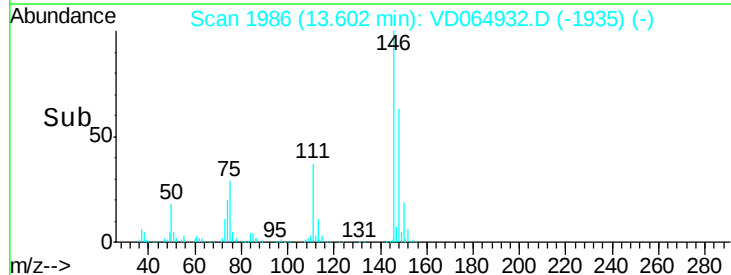
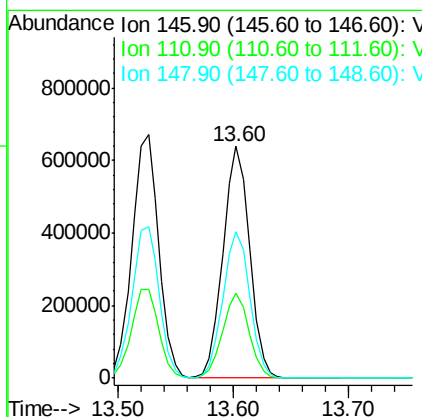
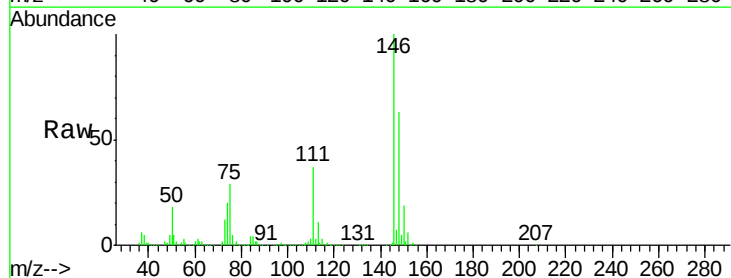
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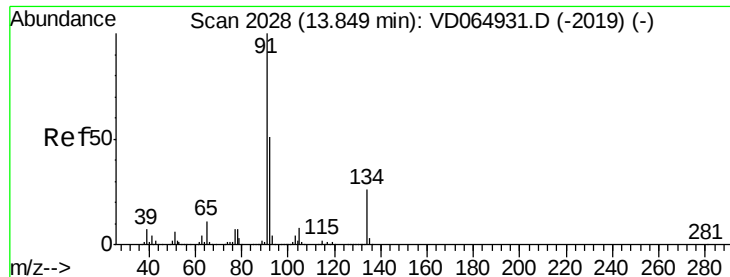
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#88
 1,4-Dichlorobenzene
 Concen: 99.036 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion:146 Resp: 1020147
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.2 54.6
 148 64.1 32.0 96.0





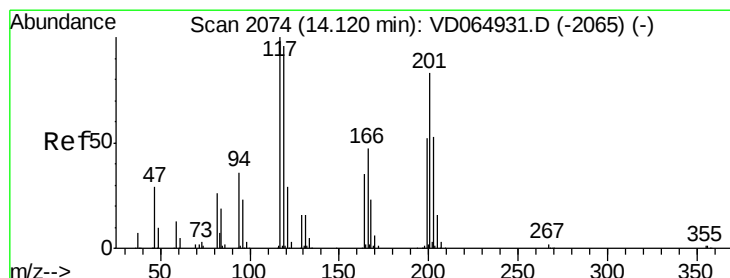
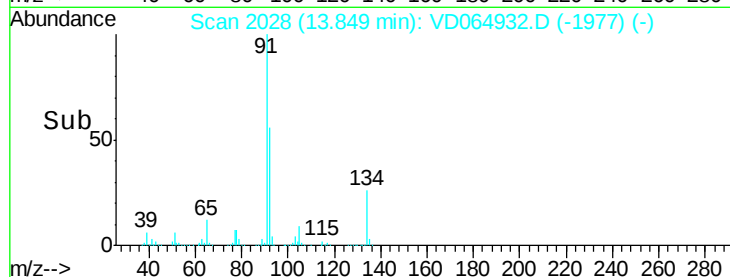
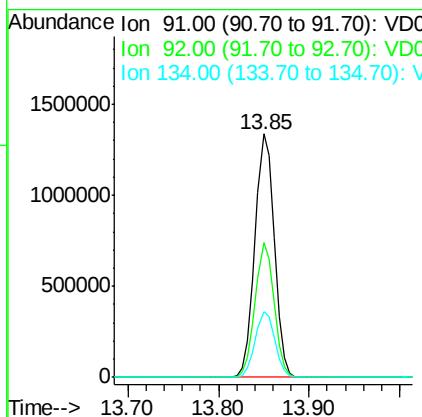
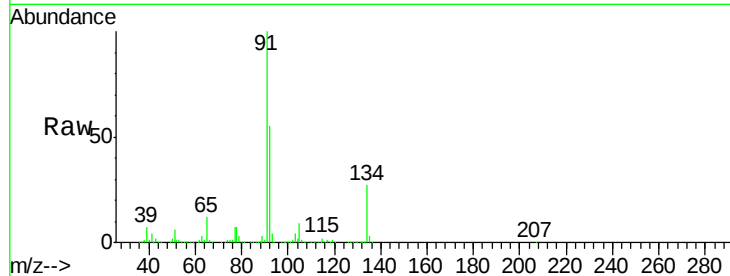
#89
n-Butylbenzene
Concen: 104.435 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.4	79.0
134	27.2	13.3	39.9

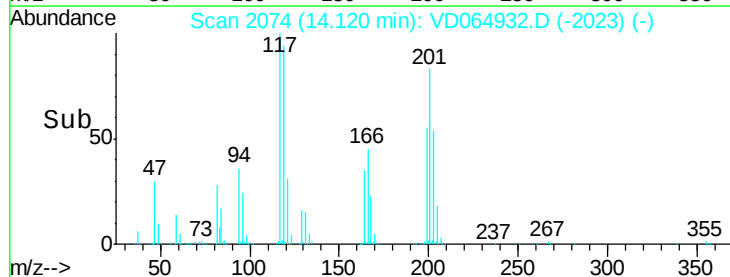
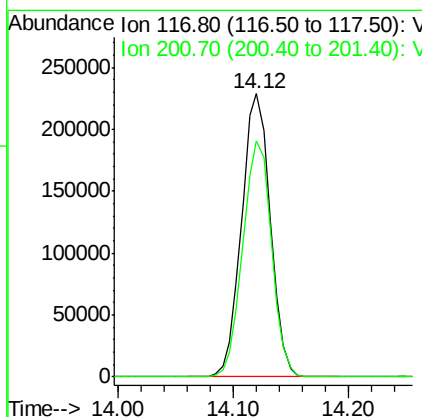
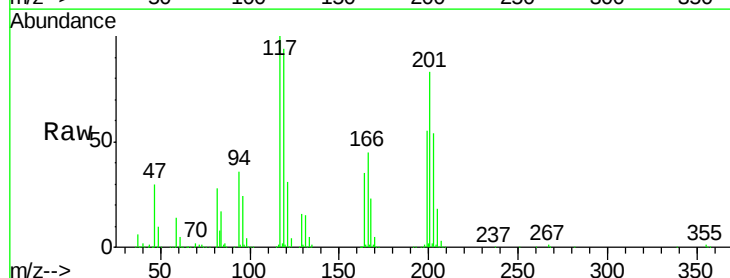
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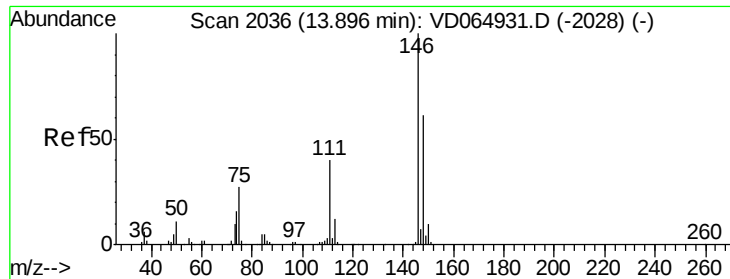
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#90
Hexachloroethane
Concen: 98.816 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	41.1	123.3





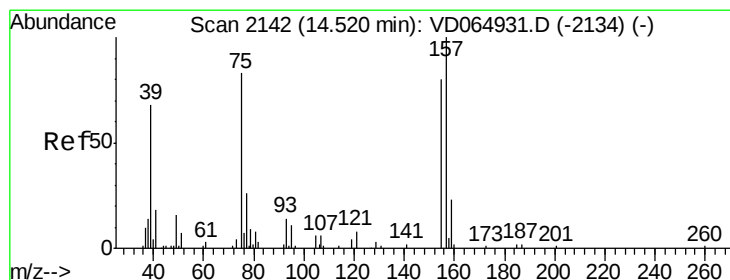
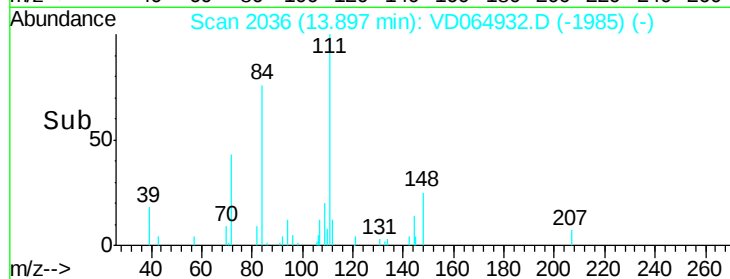
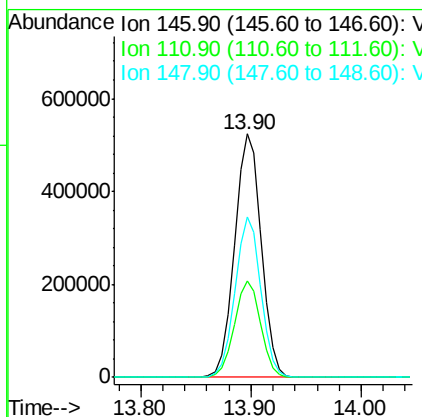
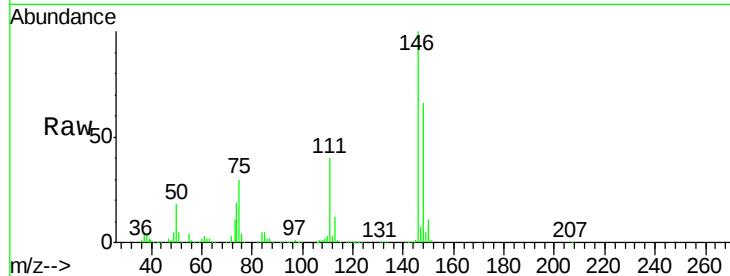
#91
 1,2-Dichlorobenzene
 Concen: 98.728 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	63.9	31.6	95.0

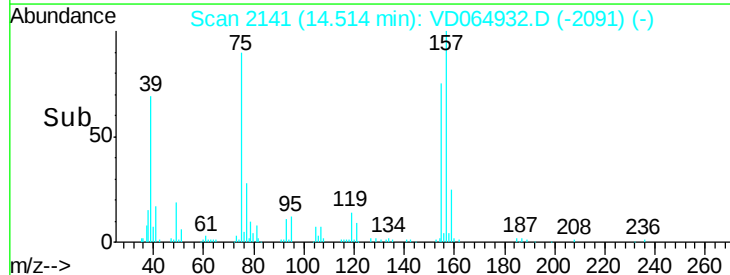
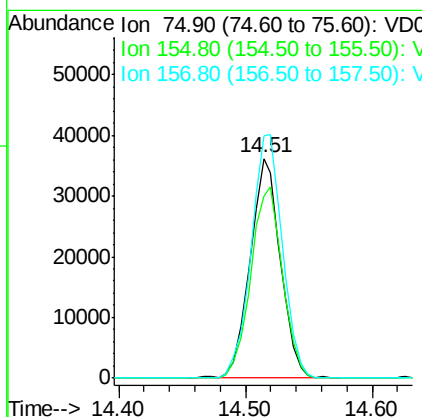
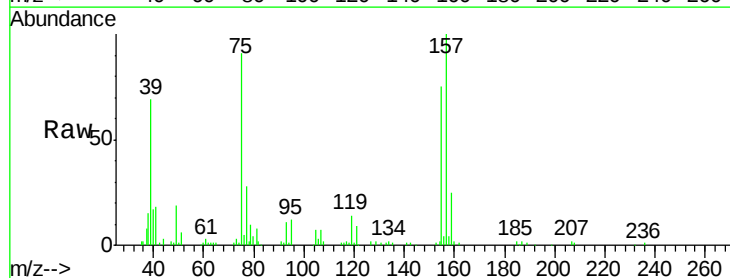
Manual Integrations
 APPROVED

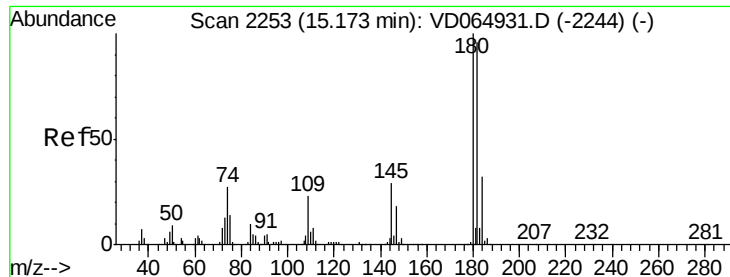
MMDadoda
 1/24/2020 4:02:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.733 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	44.9	134.7
157	114.2	58.9	176.6





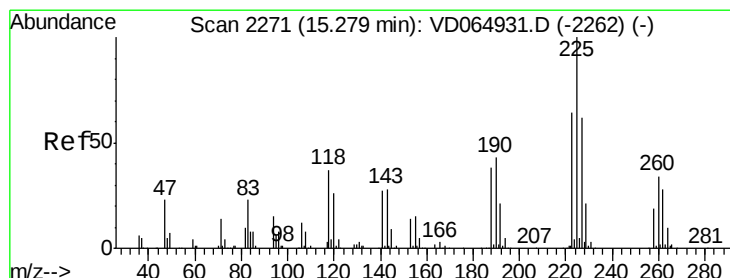
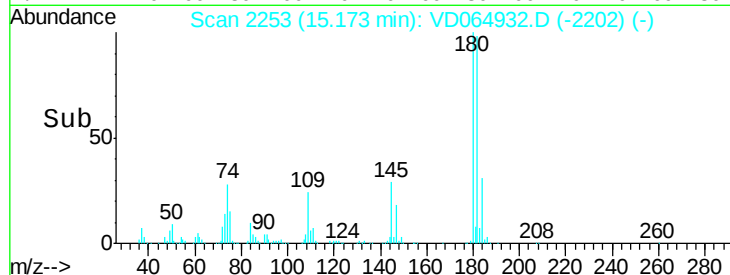
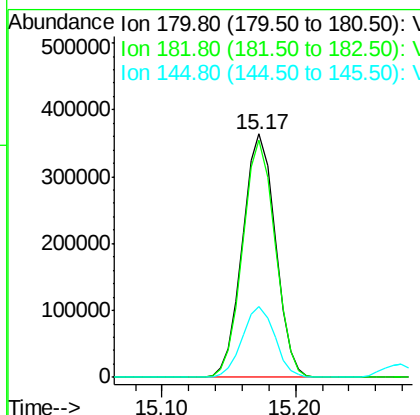
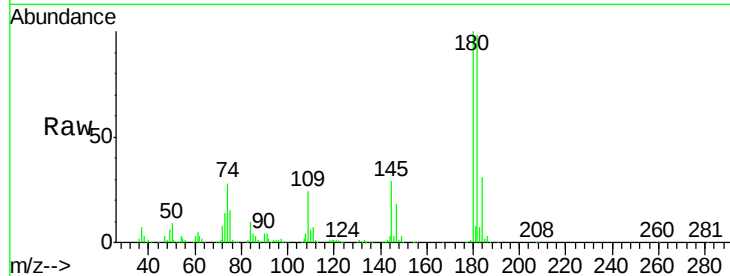
#93
 1,2,4-Trichlorobenzene
 Concen: 94.984 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	619168		
182	96.3	47.1	141.4	
145	28.7	14.1	42.3	

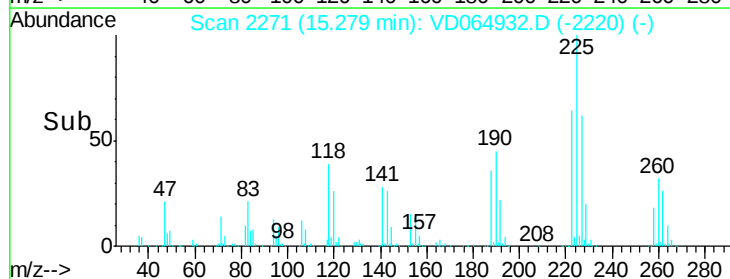
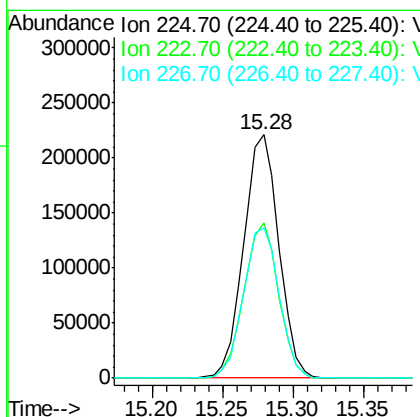
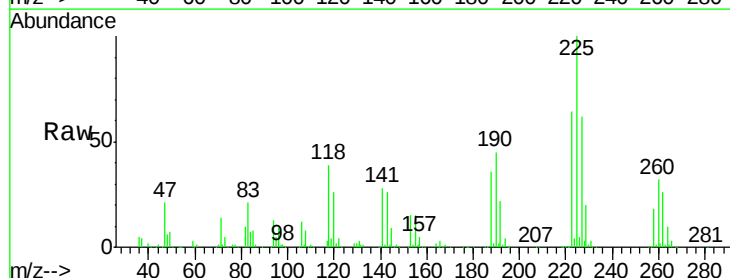
Manual Integrations
 APPROVED

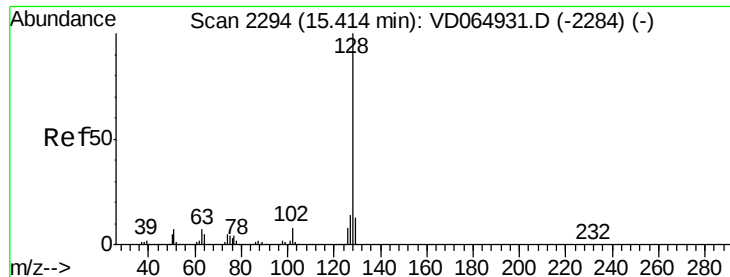
MMDadoda
 1/24/2020 4:02:00 PM



#94
 Hexachlorobutadiene
 Concen: 94.236 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	386111		
223	62.9	32.4	97.2	
227	63.0	31.9	95.9	





#95

Naphthalene

Concen: 104.743 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1083357

Ion Ratio Lower Upper

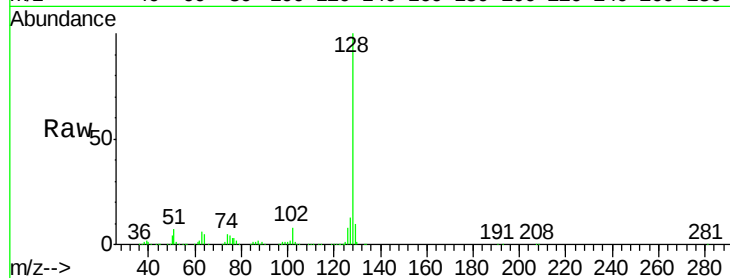
128 100

127 13.3 10.6 15.8

129 10.7 9.3 13.9

Manual Integrations
APPROVED

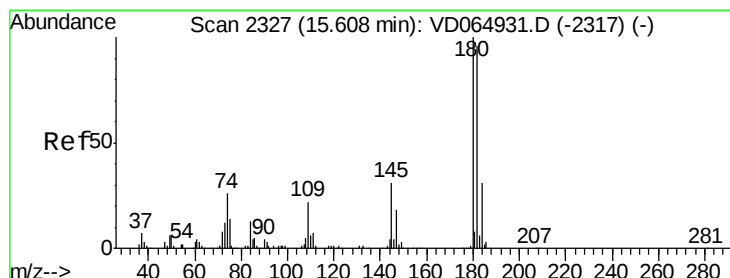
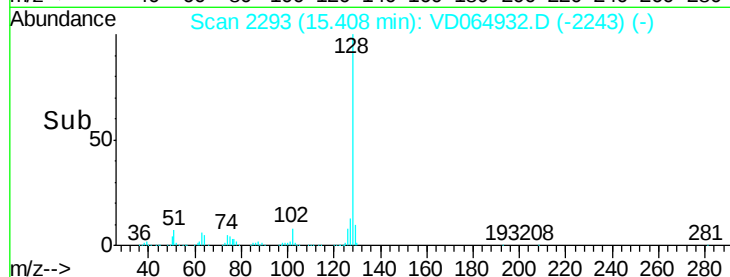
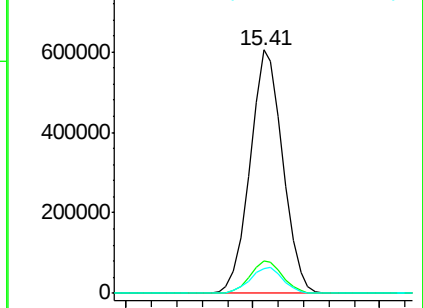
MMDadoda
1/24/2020 4:02:00 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 96.586 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

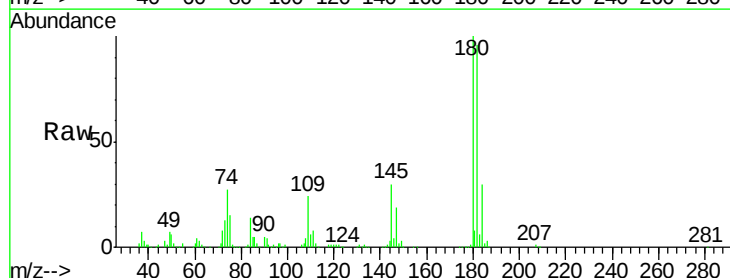
Tgt Ion:180 Resp: 539340

Ion Ratio Lower Upper

180 100

182 95.6 47.3 141.8

145 30.0 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

