

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\
 Data File : VD065057.D
 Acq On : 03 Feb 2020 17:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:21:17 AM

Quant Time: Feb 03 18:27:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	667330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	962656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	818197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	394288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	270909	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	
35) Dibromofluoromethane	7.91	113	290489	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.34	98	1247286	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.64	95	384206	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	262586	52.231	ug/l	99
3) Chloromethane	2.21	50	283346	38.455	ug/l	95
4) Vinyl Chloride	2.35	62	310491	36.689	ug/l	99
5) Bromomethane	2.77	94	196203	34.466	ug/l	96
6) Chloroethane	2.93	64	198684	35.611	ug/l	99
7) Trichlorofluoromethane	3.27	101	516465	39.516	ug/l	98
8) Diethyl Ether	3.71	74	149804	50.773	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	315493	51.885	ug/l	95
10) Methyl Iodide	4.29	142	483037	74.838	ug/l	96
11) Tert butyl alcohol	5.24	59	84001	237.471	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	303580	52.261	ug/l	89
13) Acrolein	3.93	56	104885	236.526	ug/l	90
14) Allyl chloride	4.71	41	473814	51.142	ug/l	93
15) Acrylonitrile	5.43	53	378998	296.629	ug/l	89
16) Acetone	4.16	43	334919	217.685	ug/l	98
17) Carbon Disulfide	4.40	76	901117	47.134	ug/l	98
18) Methyl Acetate	4.72	43	146888	48.996	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	671691	51.750	ug/l #	1
20) Methylene Chloride	4.96	84	333370	54.079	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	341719	51.059	ug/l	97
22) Diisopropyl ether	6.37	45	924432	50.067	ug/l	95
23) Vinyl Acetate	6.31	43	2555250	236.370	ug/l	96
24) 1,1-Dichloroethane	6.26	63	567995	50.103	ug/l	95
25) 2-Butanone	7.22	43	409646	236.877	ug/l	99
26) 2,2-Dichloropropane	7.21	77	506846	49.291	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	381537	53.412	ug/l	94
28) Bromochloromethane	7.54	49	206874	45.630	ug/l	88
29) Tetrahydrofuran	7.57	42	246572	231.085	ug/l	97
30) Chloroform	7.71	83	594310	50.714	ug/l	96
31) Cyclohexane	7.97	56	2025271	181.603	ug/l #	67
32) 1,1,1-Trichloroethane	7.90	97	547500	50.220	ug/l	97
36) 1,1-Dichloropropene	8.11	75	463978	49.983	ug/l	97
37) Ethyl Acetate	7.30	43	175347	45.731	ug/l	98
38) Carbon Tetrachloride	8.10	117	486843	49.620	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	3362411	309.825	ug/l	97
40) Benzene	8.35	78	1298939	50.807	ug/l	100
41) Methacrylonitrile	7.54	41	123281m	59.685	ug/l	
42) 1,2-Dichloroethane	8.43	62	352894	46.338	ug/l #	75
43) Isopropyl Acetate	8.46	43	812952	111.617	ug/l #	74
44) Trichloroethene	9.11	130	393274	54.964	ug/l	97
45) 1,2-Dichloropropane	9.39	63	342450	55.254	ug/l	98
46) Dibromomethane	9.48	93	168353	49.754	ug/l	95
47) Bromodichloromethane	9.66	83	687674	78.102	ug/l	88
48) Methyl methacrylate	9.46	41	125002	37.295	ug/l	83
49) 1,4-Dioxane	9.47	88	38653	984.946	ug/l #	80
51) 4-Methyl-2-Pentanone	10.23	43	904488	248.190	ug/l	98
52) Toluene	10.41	92	855118	51.879	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	423704	50.519	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	511149	52.054	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	698269	153.200	ug/l #	24
56) Ethyl methacrylate	10.67	69	461966	84.758	ug/l	91
57) 1,3-Dichloropropane	10.95	76	390676	49.974	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	400093	220.954	ug/l	94
59) 2-Hexanone	10.99	43	506010	201.296	ug/l	81
60) Dibromochloromethane	11.14	129	303643	49.844	ug/l	98
61) 1,2-Dibromoethane	11.25	107	226301	51.564	ug/l #	63
64) Tetrachloroethene	10.88	164	350952	59.357	ug/l	99
65) Chlorobenzene	11.67	112	891603	53.671	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	332438	53.210	ug/l	99
67) Ethyl Benzene	11.75	91	3230519	109.536	ug/l	98
68) m/p-Xylenes	11.86	106	2937848	258.719	ug/l	98
69) o-Xylene	12.18	106	609199	60.449	ug/l	99
70) Styrene	12.20	104	993748	55.354	ug/l	100
71) Bromoform	12.37	173	175086	50.414	ug/l #	99
73) Isopropylbenzene	12.48	105	1816042	67.388	ug/l	99
74) N-amyl acetate	12.30	43	421273	69.859	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.74	83	222222	49.062	ug/l	92
76) 1,2,3-Trichloropropane	12.79	75	193396m	59.095	ug/l	
77) Bromobenzene	12.77	156	379662	57.579	ug/l	96
78) n-propylbenzene	12.83	91	2800279	87.375	ug/l	98
79) 2-Chlorotoluene	12.91	91	1204116	68.487	ug/l	90
80) 1,3,5-Trimethylbenzene	12.97	105	1908038	86.396	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	76593	49.973	ug/l	98
82) 4-Chlorotoluene	13.01	91	1031056	55.298	ug/l	100
83) tert-Butylbenzene	13.23	119	1108098	59.125	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	3021374	135.050	ug/l	99
85) sec-Butylbenzene	13.41	105	1577198	59.435	ug/l	97
86) p-Isopropyltoluene	13.53	119	1449649	58.379	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	695062	54.939	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	681855	54.302	ug/l	100
89) n-Butylbenzene	13.86	91	1462353	64.530	ug/l	93
90) Hexachloroethane	14.13	117	292073	60.993	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	597727	55.651	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	37152	51.255	ug/l	95

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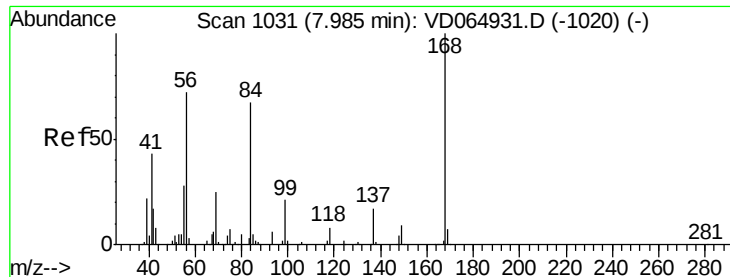
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	453469	61.027	ug/l	97
94) Hexachlorobutadiene	15.28	225	284935	60.624	ug/l	98
95) Naphthalene	15.41	128	1658213	138.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	381676	59.242	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 667330

Ion Ratio Lower Upper

168 100

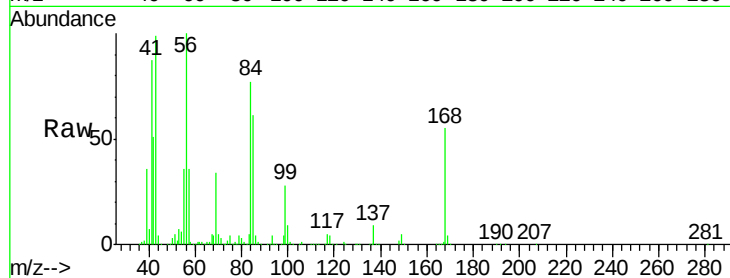
99 49.6 43.3 64.9

Manual Integrations

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2/4/2020 11:21:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

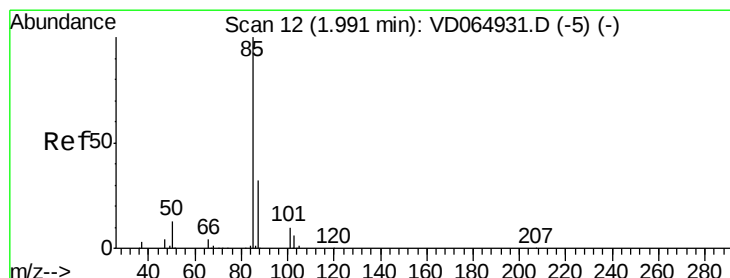
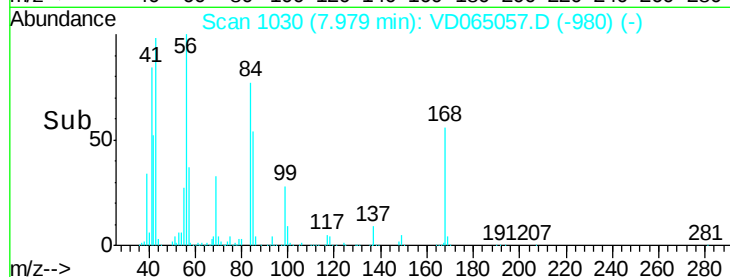
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.231 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065057.D

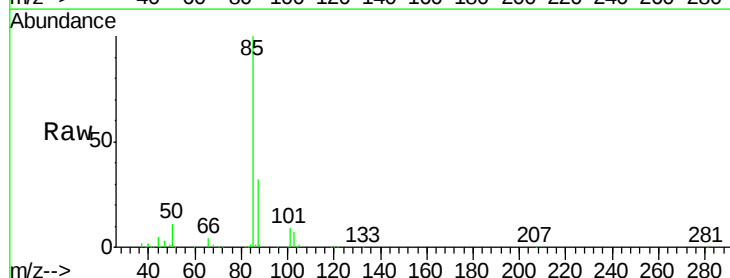
Acq: 03 Feb 2020 17:03

Tgt Ion: 85 Resp: 262586

Ion Ratio Lower Upper

85 100

87 31.8 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

200000

150000

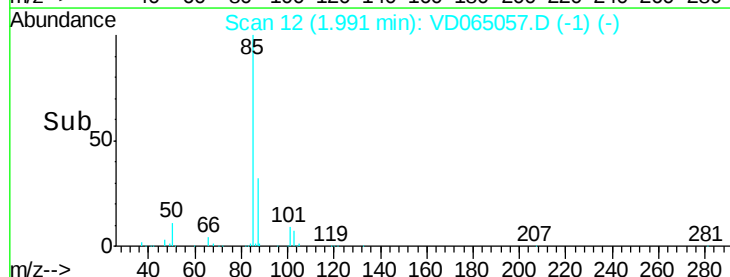
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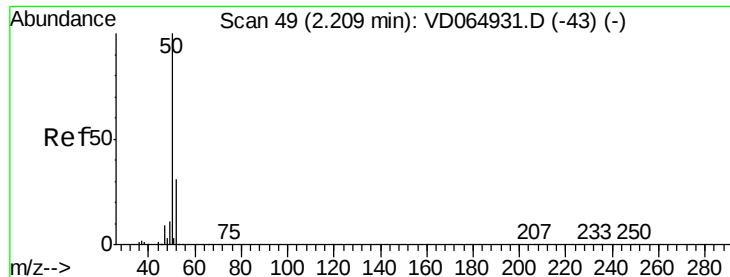
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 38.455 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 283346

Ion Ratio Lower Upper

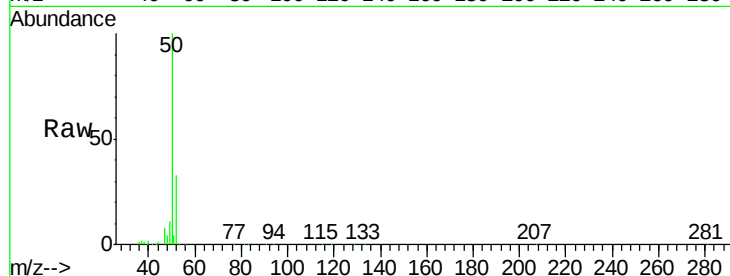
50 100

52 33.3 24.6 36.8

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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

200000

150000

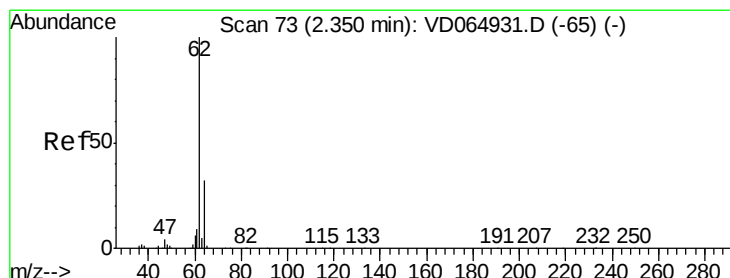
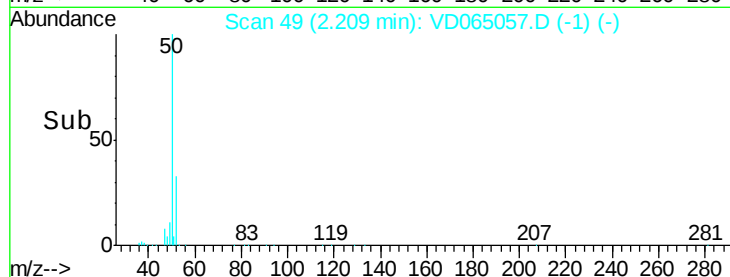
100000

50000

0

2.20 2.30

Time-->



#4

Vinyl Chloride

Concen: 36.689 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065057.D

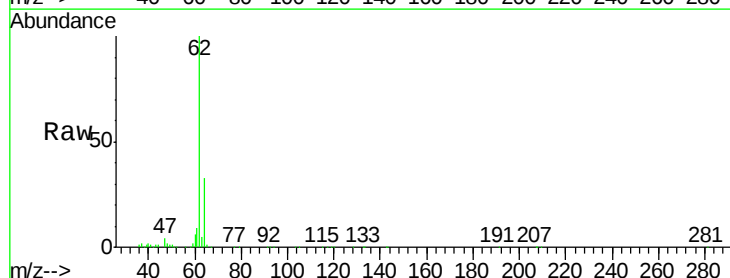
Acq: 03 Feb 2020 17:03

Tgt Ion: 62 Resp: 310491

Ion Ratio Lower Upper

62 100

64 32.8 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

200000

150000

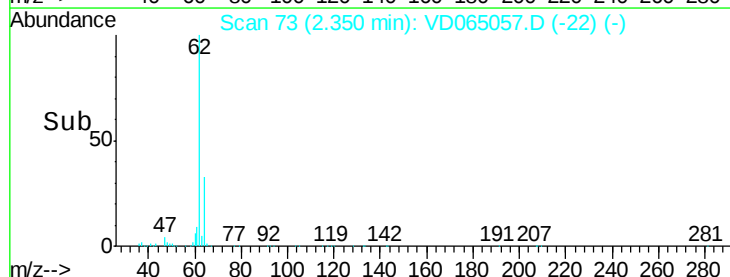
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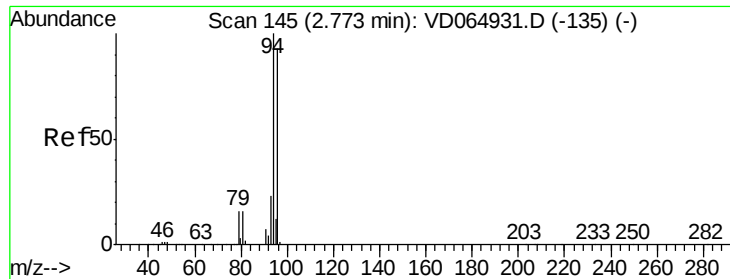
50000

0

2.30 2.40 2.50

Time-->





#5

Bromomethane

Concen: 34.466 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 196203

Ion Ratio Lower Upper

94 100

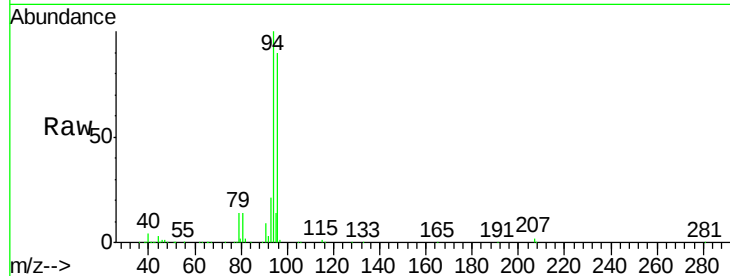
96 89.5 74.6 111.8

Manual Integrations

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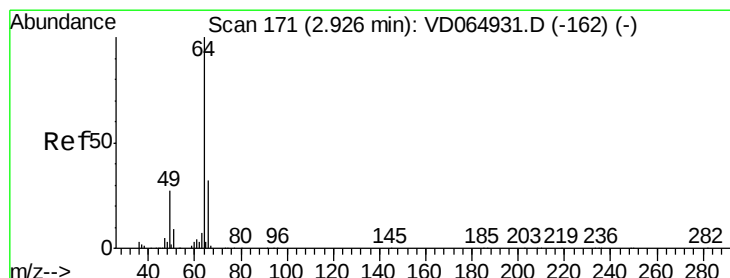
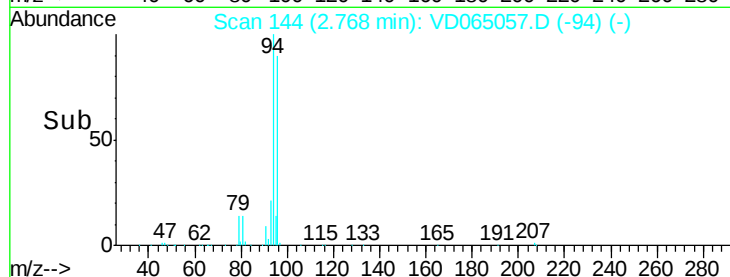
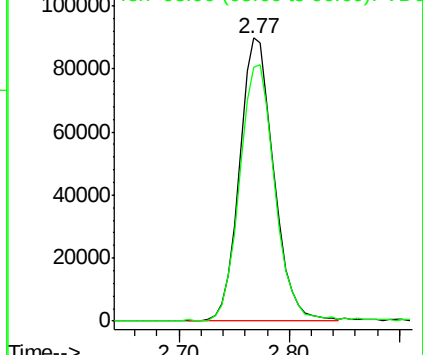
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 35.611 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065057.D

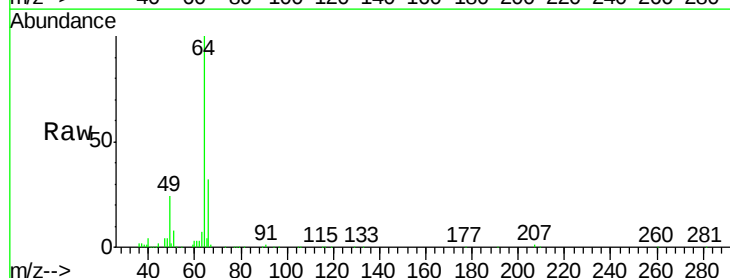
Acq: 03 Feb 2020 17:03

Tgt Ion: 64 Resp: 198684

Ion Ratio Lower Upper

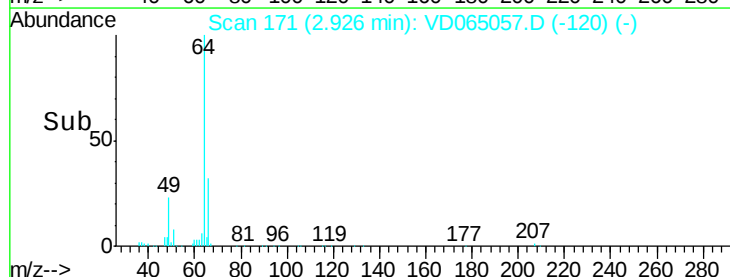
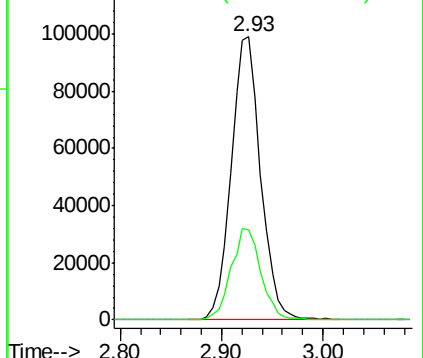
64 100

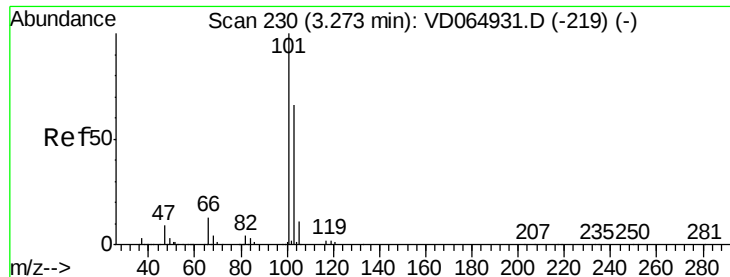
66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

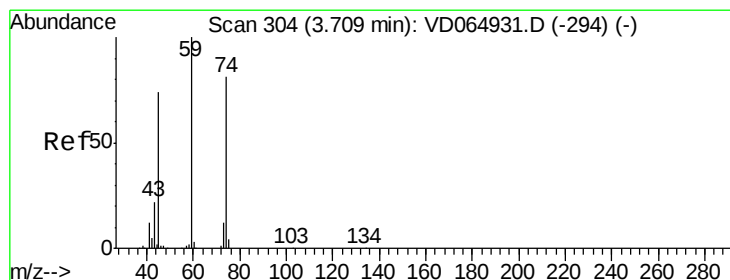
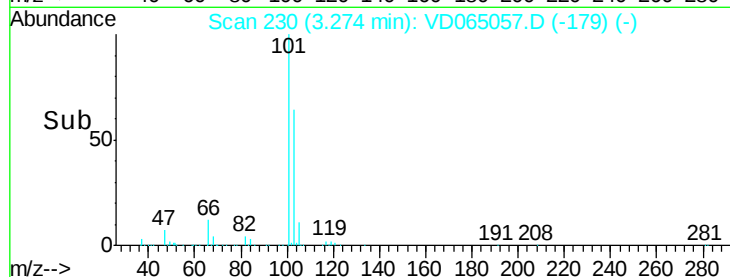
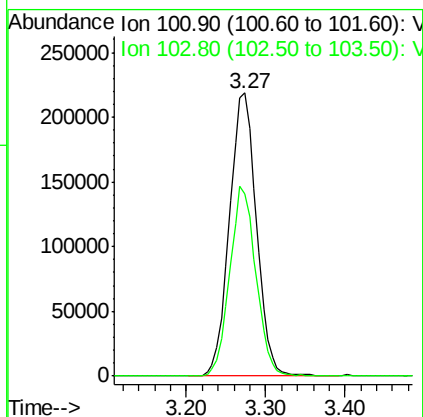
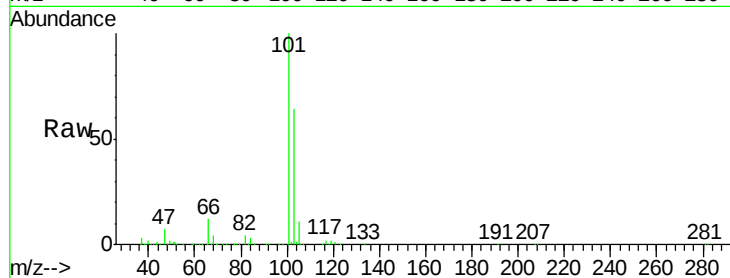
Trichlorofluoromethane
Concen: 39.516 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.5	78.7

Manual Integrations
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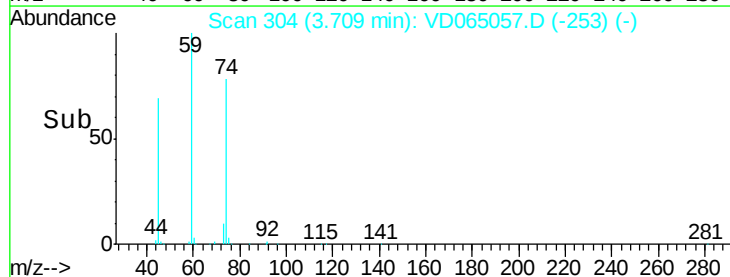
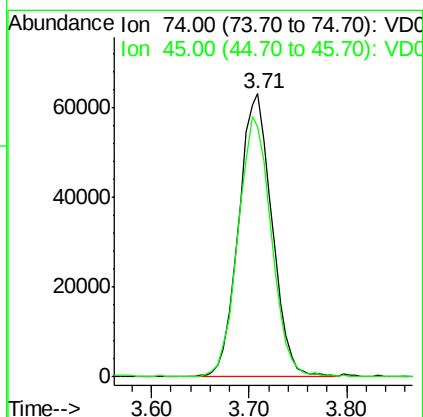
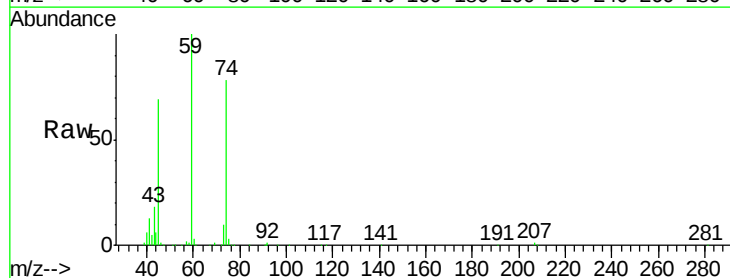
MMDadoda
2/4/2020 11:21:17 AM

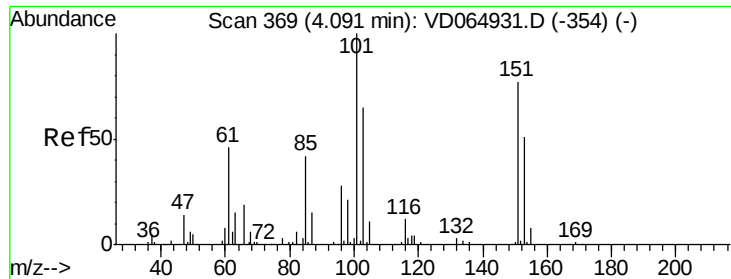


#8

Diethyl Ether
Concen: 50.773 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.885 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

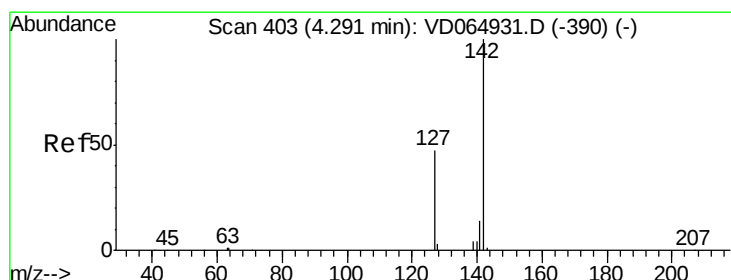
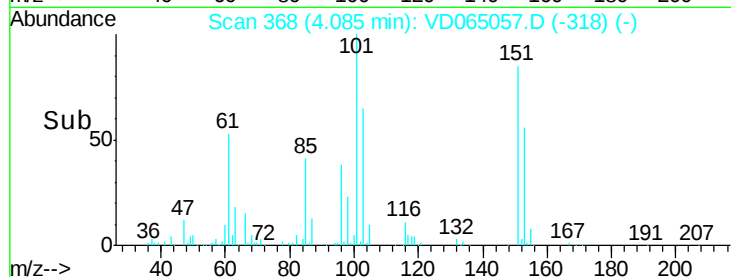
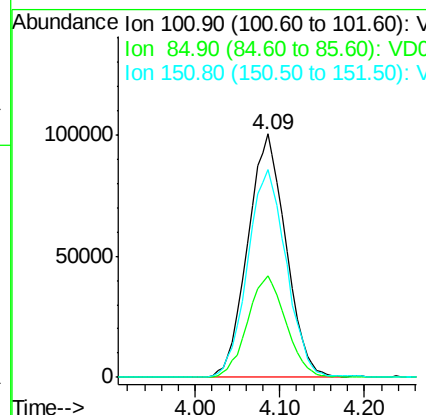
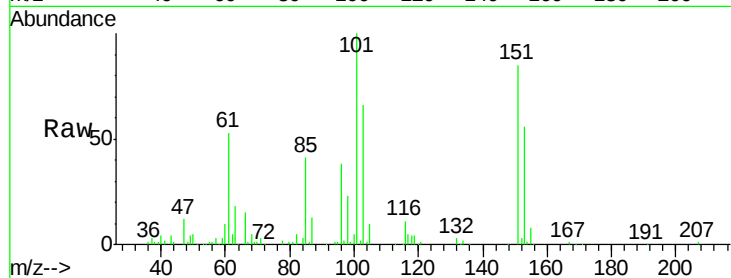
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	315493
Ion Ratio	Lower	Upper	
101	100		
85	41.8	35.0	52.4
151	86.6	64.6	96.8

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#10

Methyl Iodide

Concen: 74.838 ug/l

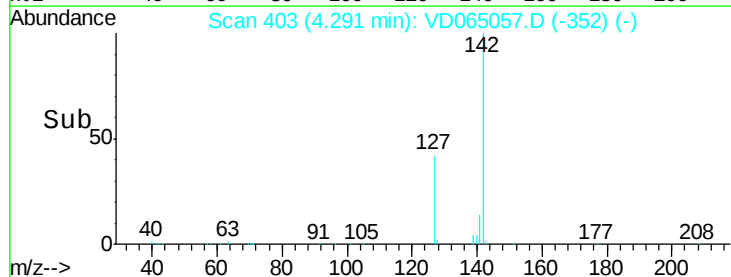
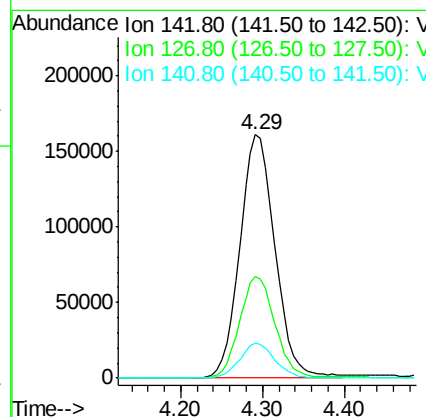
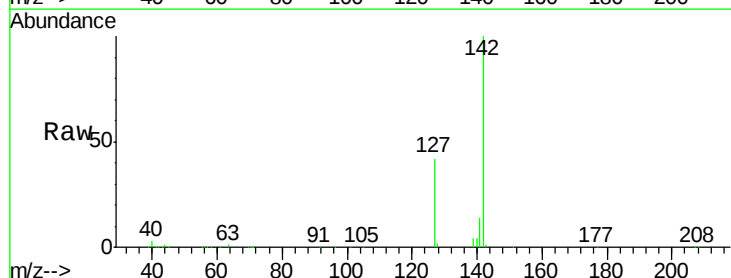
RT: 4.29 min Scan# 403

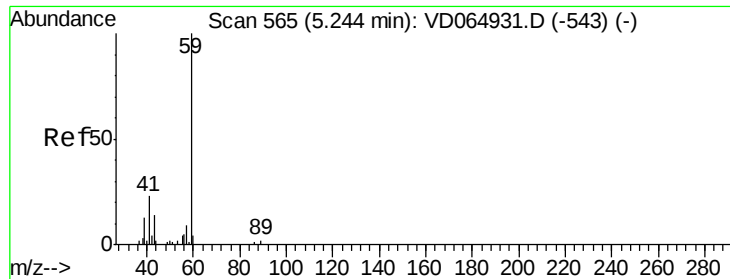
Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion:	142	Resp:	483037
Ion Ratio	Lower	Upper	
142	100		
127	41.9	36.2	54.2
141	14.4	11.6	17.4





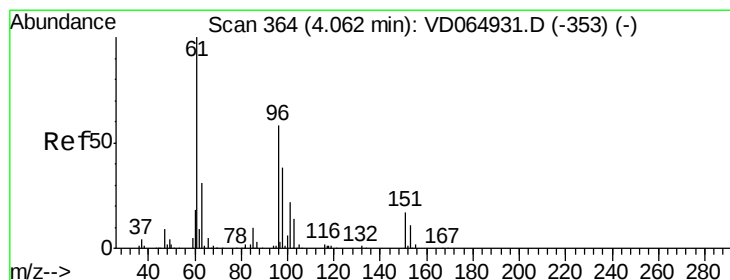
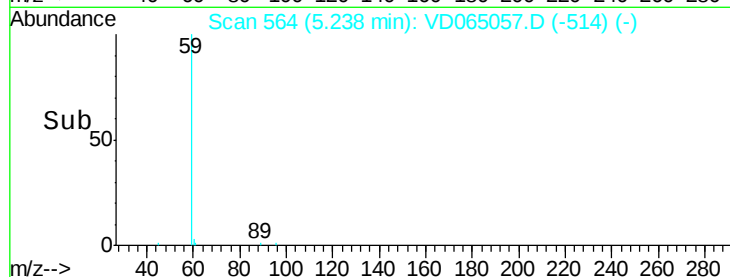
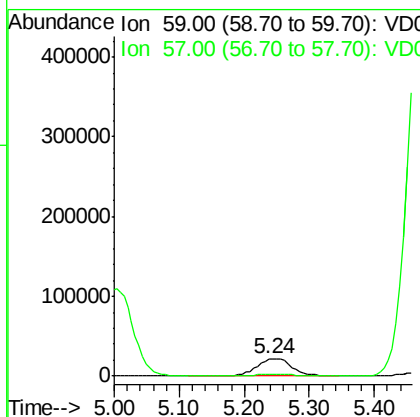
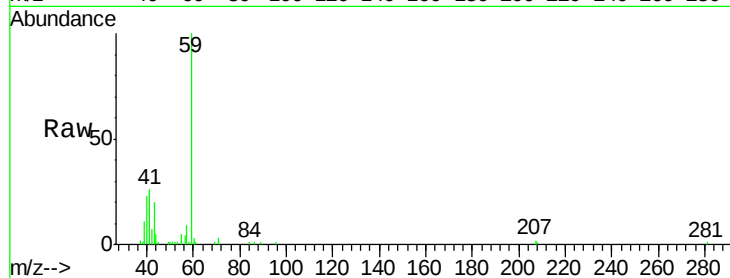
#11
Tert butyl alcohol
Concen: 237.471 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	84001		
57	57	0.0	7.7	11.5#	

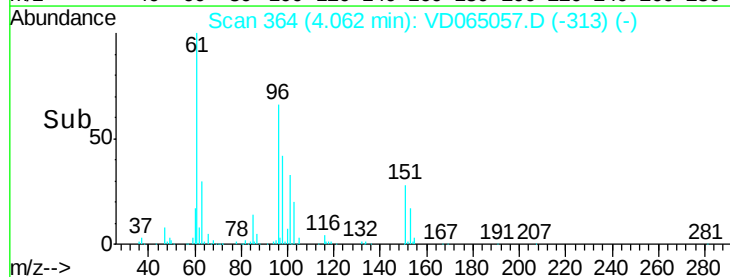
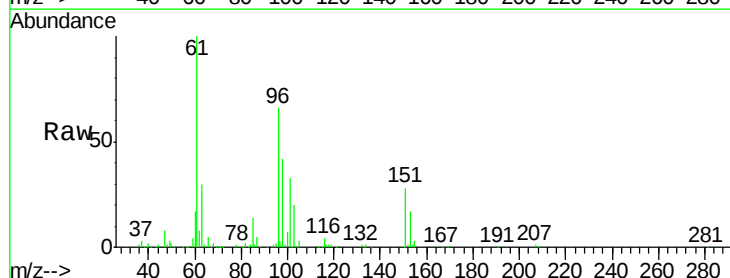
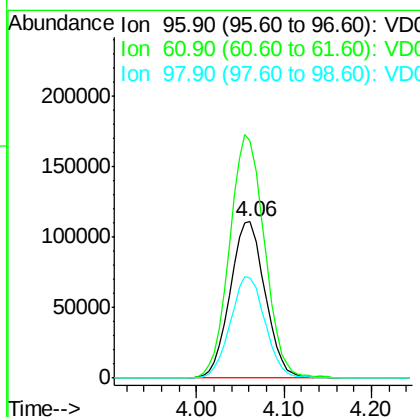
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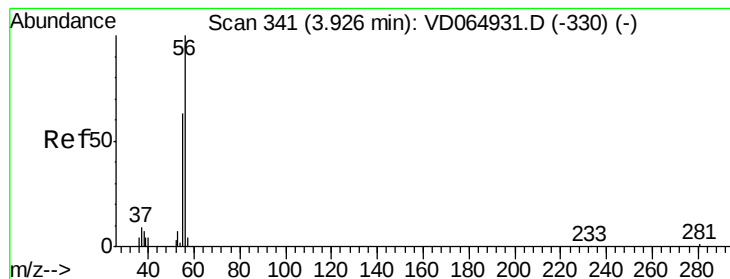
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.261 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	303580		
61	61	151.5	137.0	205.4	
98	98	64.0	52.1	78.1	





#13

Acrolein

Concen: 236.526 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 104885

Ion Ratio Lower Upper

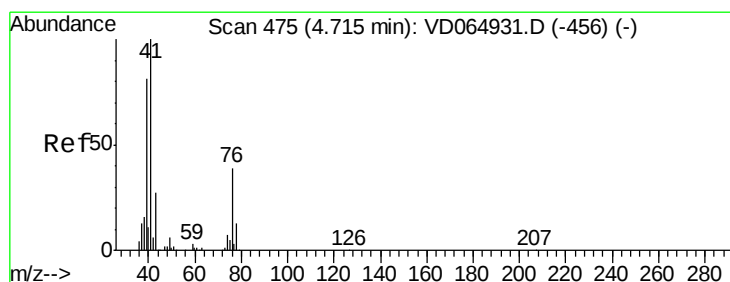
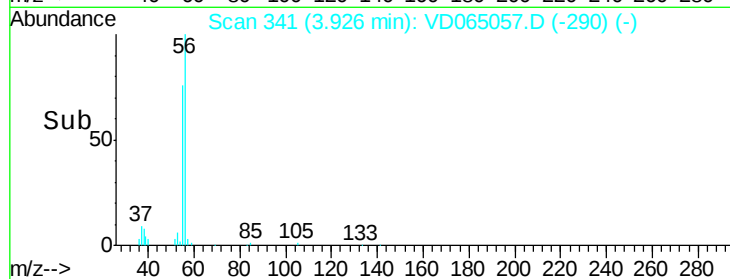
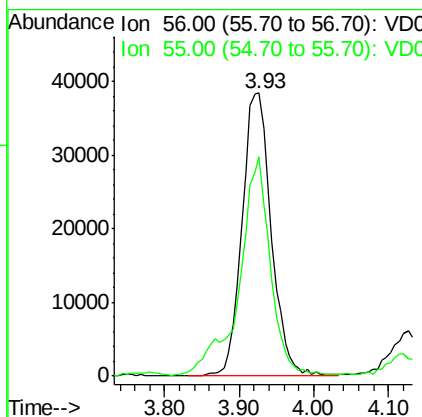
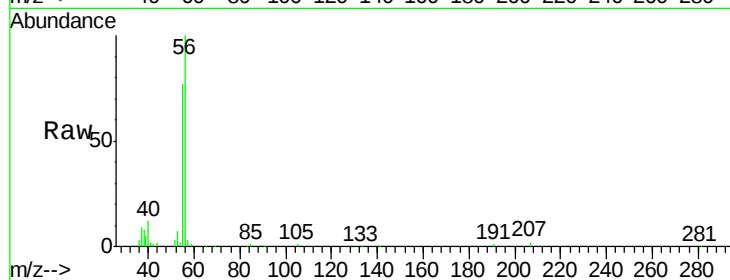
56 100

55 83.1 59.7 89.5

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#14

Allyl chloride

Concen: 51.142 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

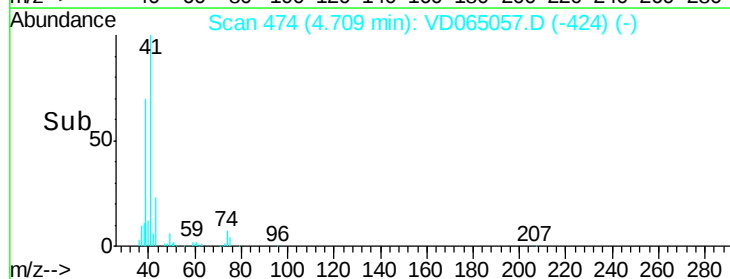
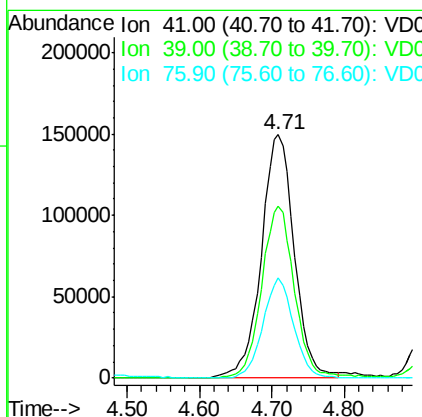
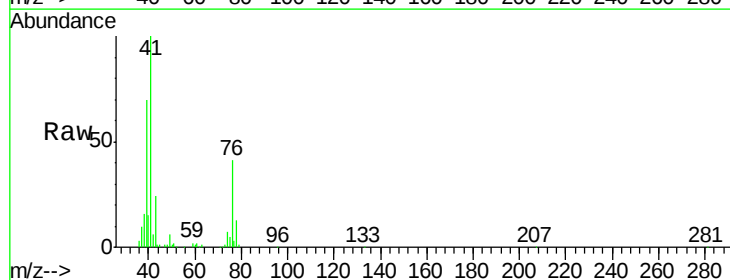
Tgt Ion: 41 Resp: 473814

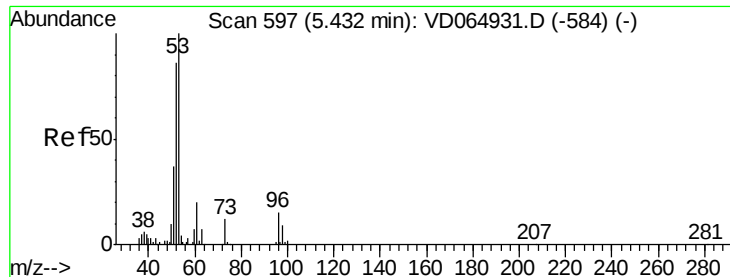
Ion Ratio Lower Upper

41 100

39 69.9 62.0 93.0

76 37.8 29.3 43.9





#15

Acrylonitrile

Concen: 296.629 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

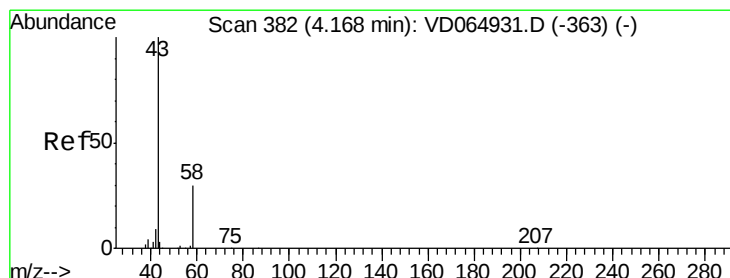
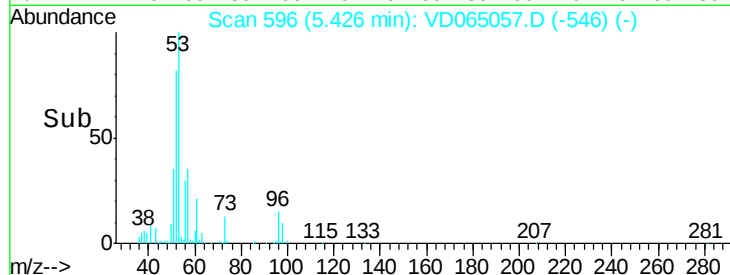
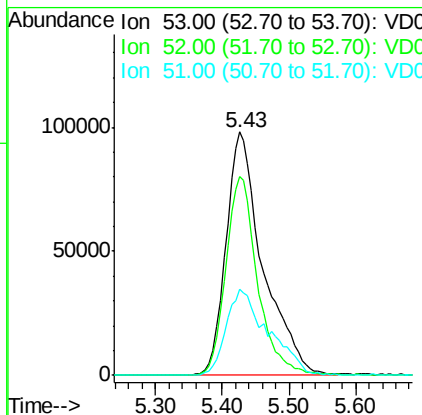
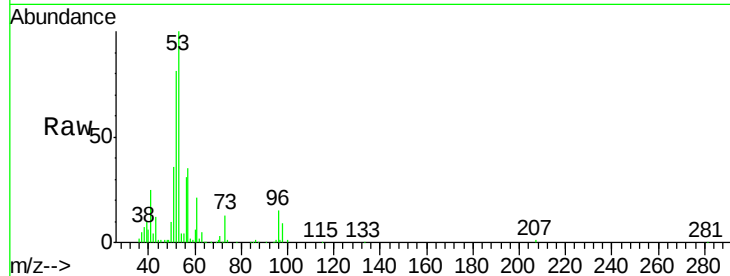
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	378998
Ion Ratio	Lower	Upper	
53	100		
52	70.5	66.7	100.1
51	40.6	31.1	46.7

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#16

Acetone

Concen: 217.685 ug/l

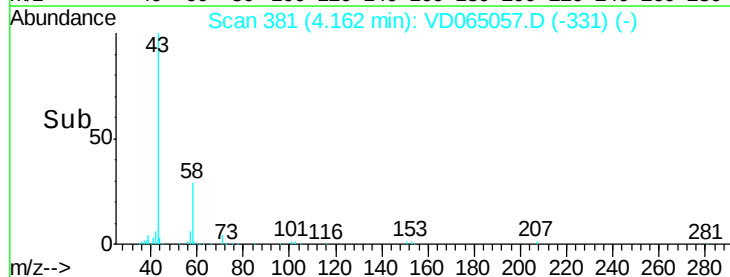
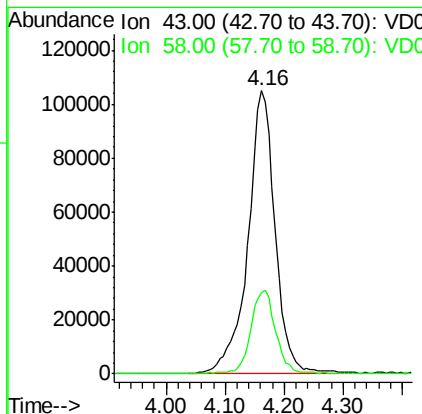
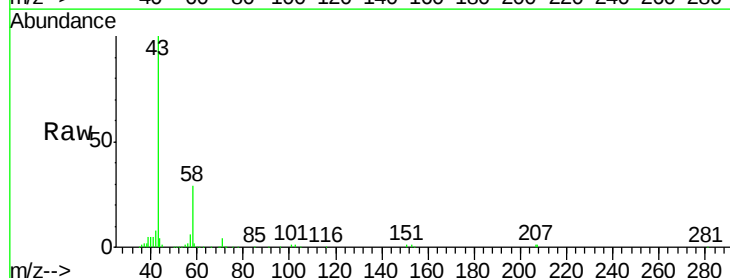
RT: 4.16 min Scan# 381

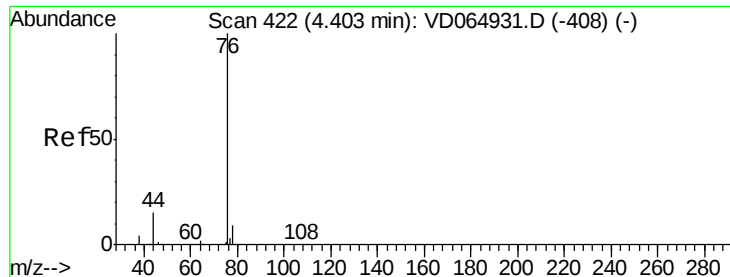
Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion:	43	Resp:	334919
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.8	35.8





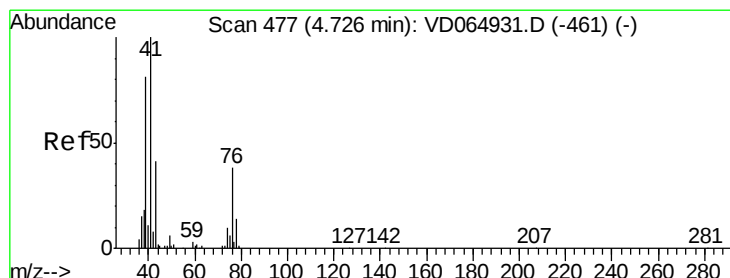
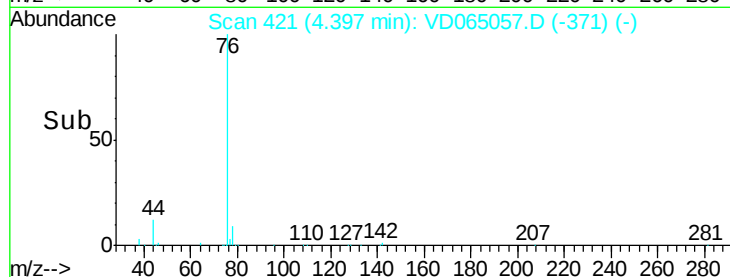
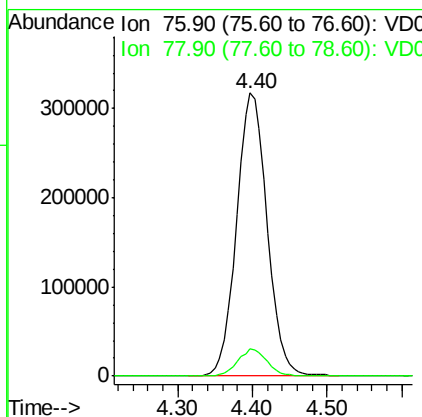
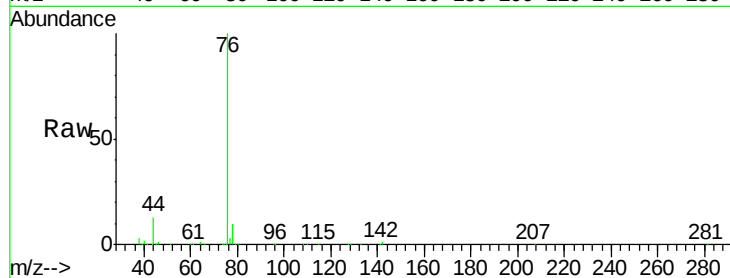
#17
Carbon Disulfide
Concen: 47.134 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

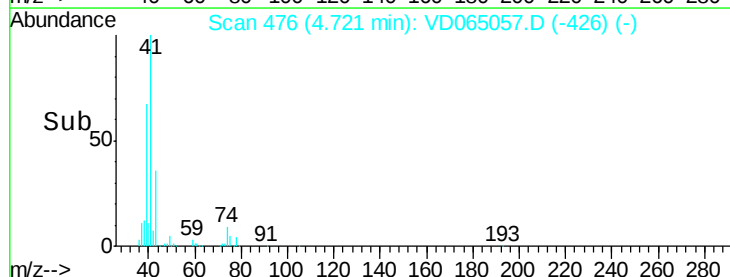
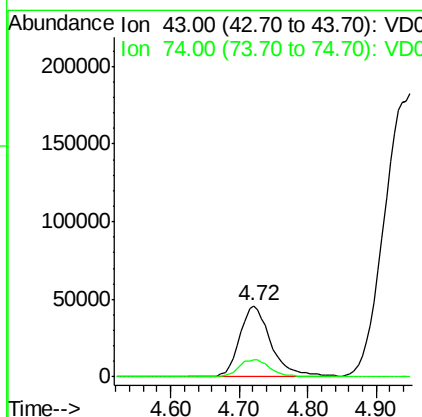
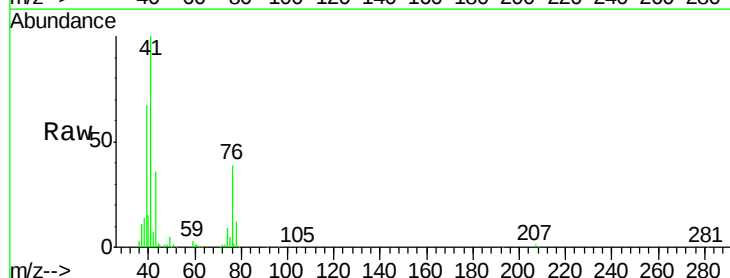
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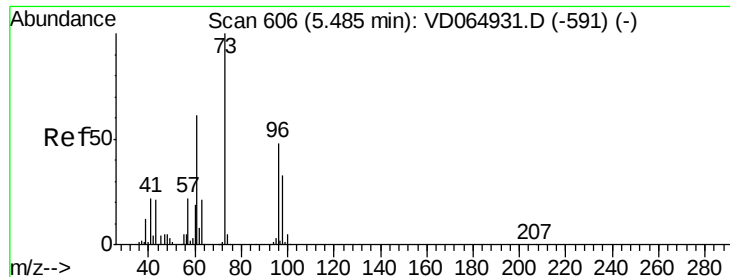
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#18
Methyl Acetate
Concen: 48.996 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.1	28.7





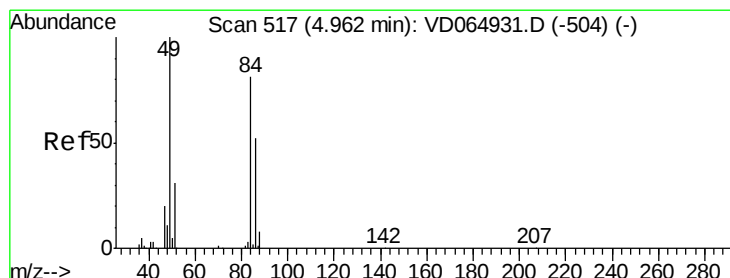
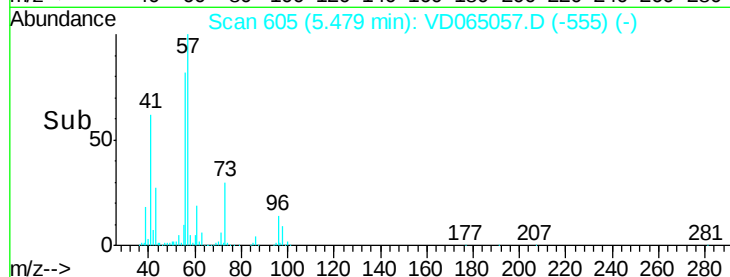
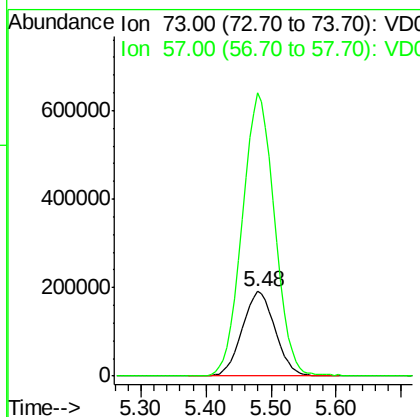
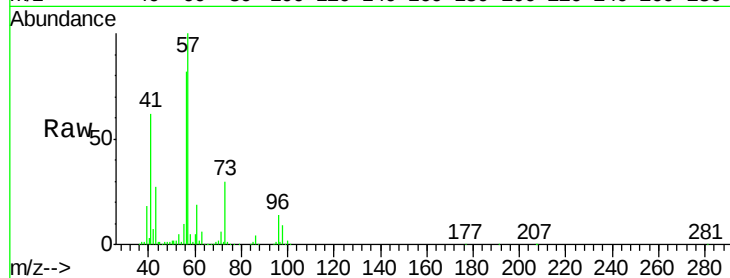
#19
Methvl tert-butvl Ether
Concen: 51.750 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 671691
Ion Ratio Lower Upper
73 100
57 333.6 17.9 26.9#

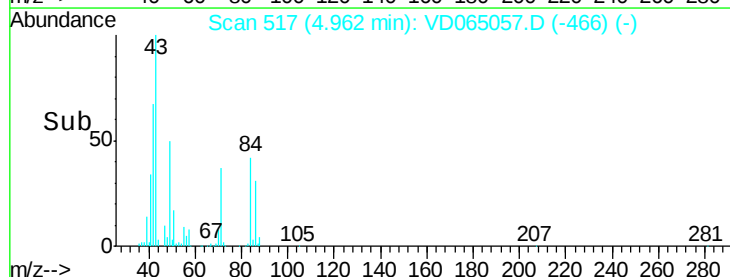
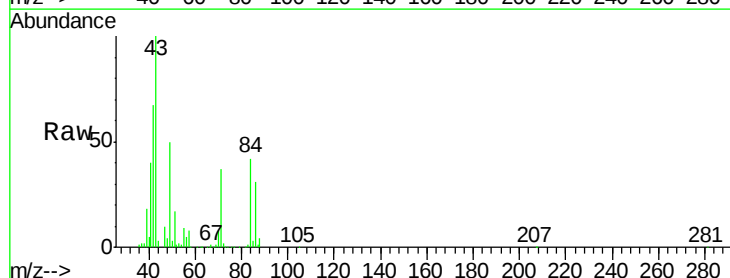
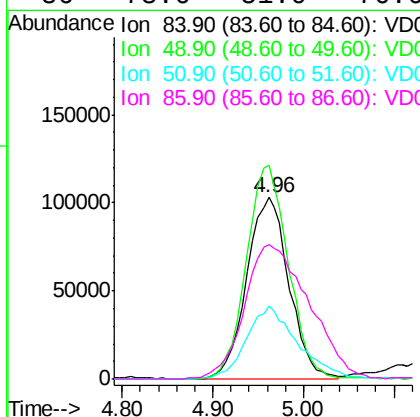
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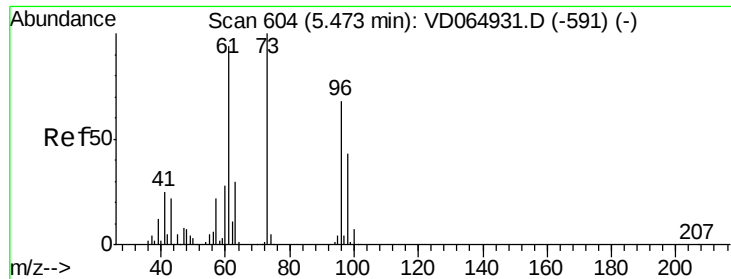
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#20
Methylene Chloride
Concen: 54.079 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion: 84 Resp: 333370
Ion Ratio Lower Upper
84 100
49 117.8 98.4 147.6
51 40.4 30.8 46.2
86 73.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.059 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

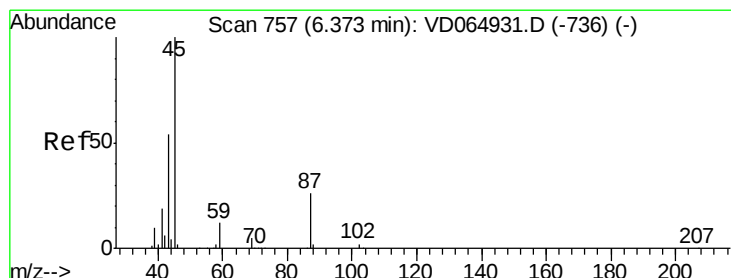
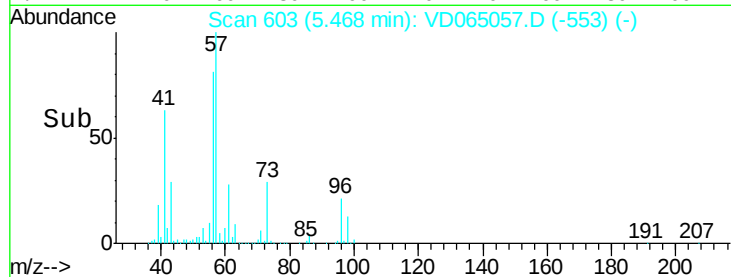
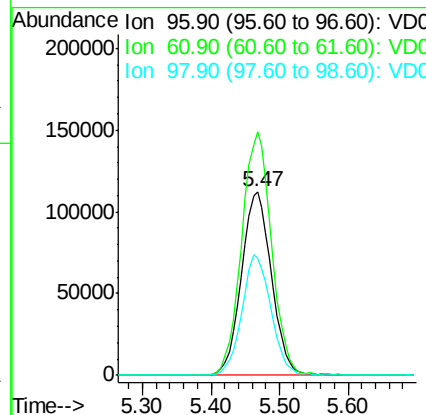
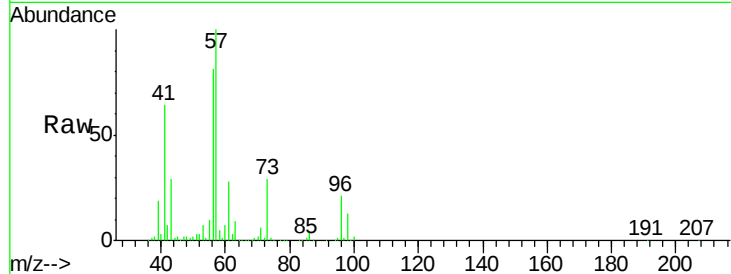
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	341719
Ion	Ratio	Lower	Upper
96	100		
61	132.6	110.4	165.6
98	63.6	50.5	75.7

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#22

Diisopropyl ether

Concen: 50.067 ug/l

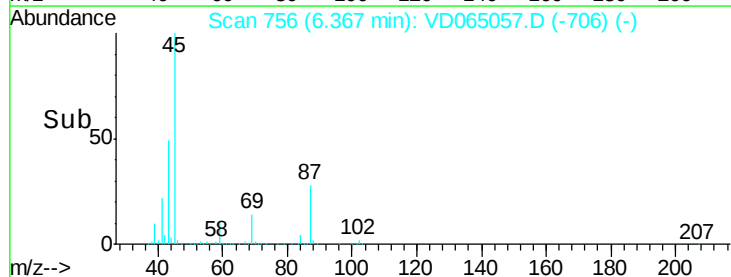
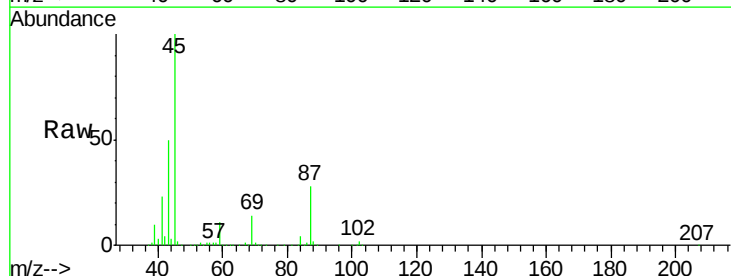
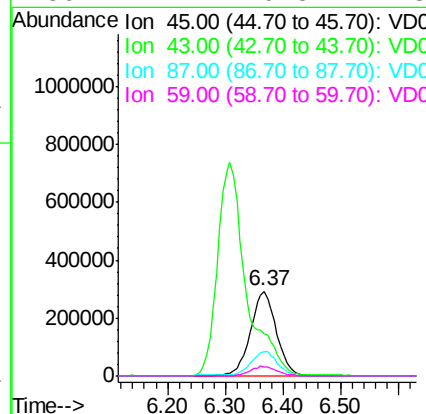
RT: 6.37 min Scan# 756

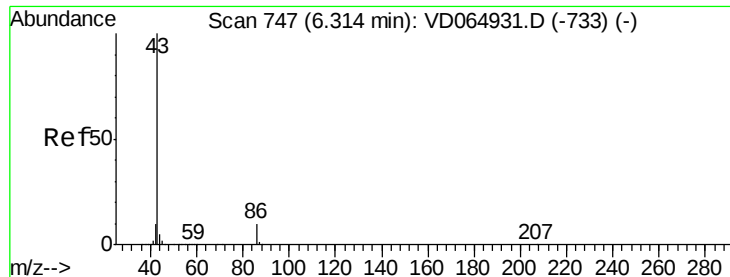
Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion:	45	Resp:	924432
Ion	Ratio	Lower	Upper
45	100		
43	49.1	43.1	64.7
87	27.8	21.4	32.2
59	11.2	9.5	14.3





#23

Vinyl Acetate

Concen: 236.370 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tot Ion: 43 Resp: 2555250

Ion Ratio Lower Upper

43 100

86 11.8 8.3 12.5

Instrument :

MSVOA_D

ClientSampleId :

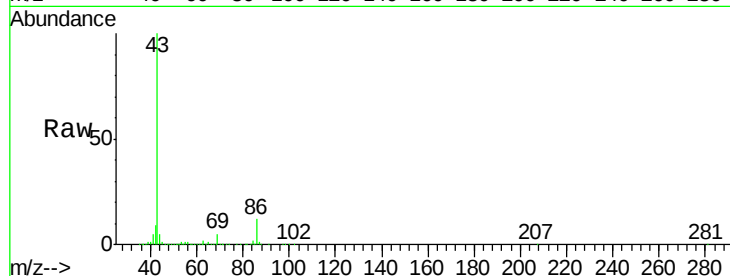
VSTDCCC050EC

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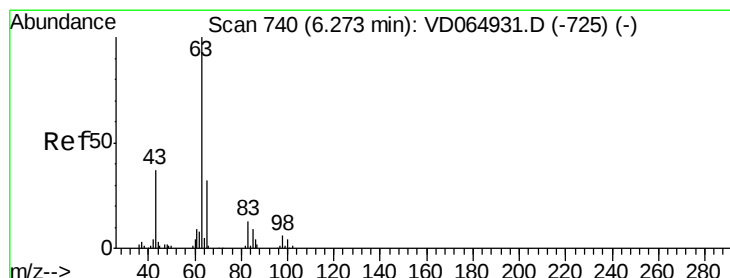
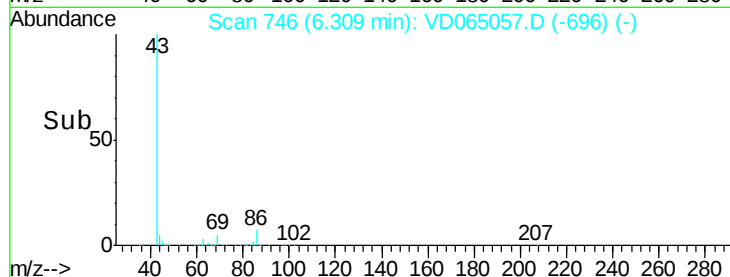
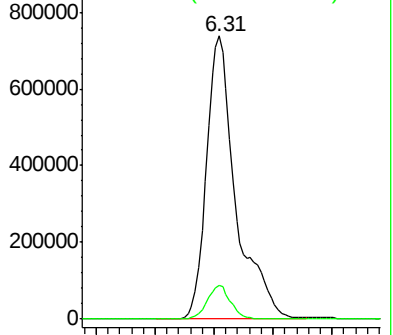
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.103 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

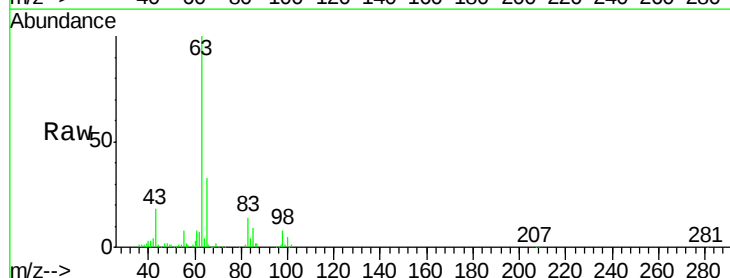
Tgt Ion: 63 Resp: 567995

Ion Ratio Lower Upper

63 100

98 8.4 3.1 9.3

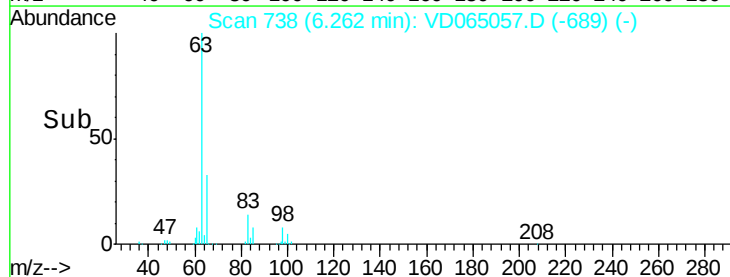
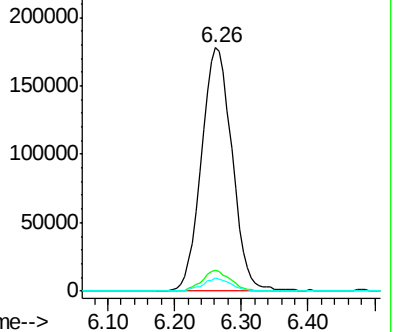
100 5.3 2.3 6.8

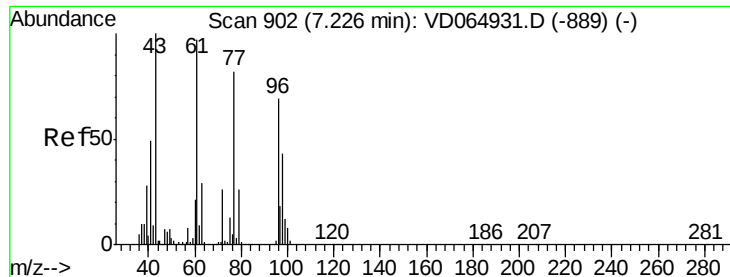


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 236.877 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 409646

Ion Ratio Lower Upper

43 100

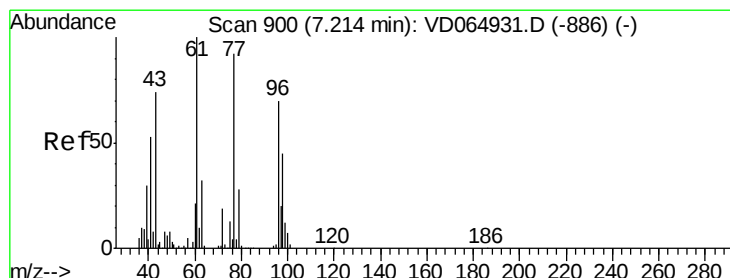
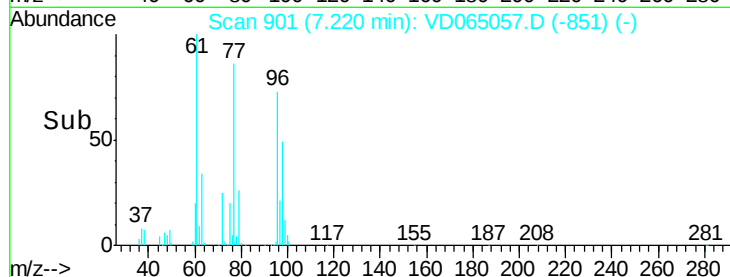
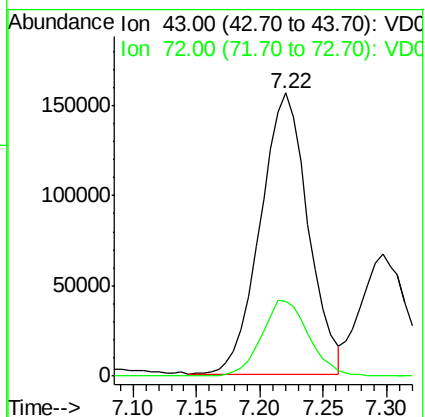
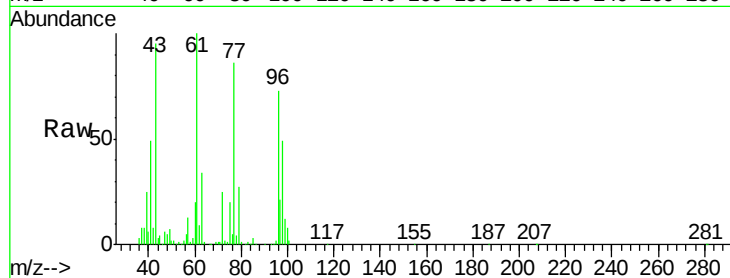
72 26.5 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 49.291 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065057.D

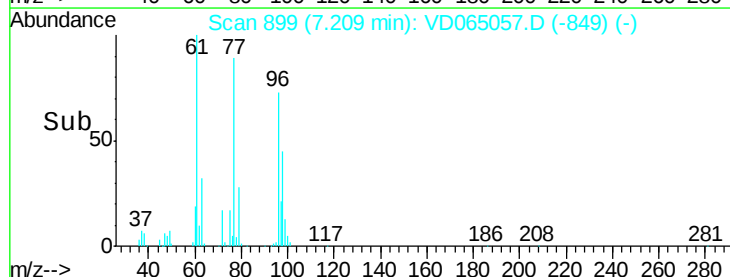
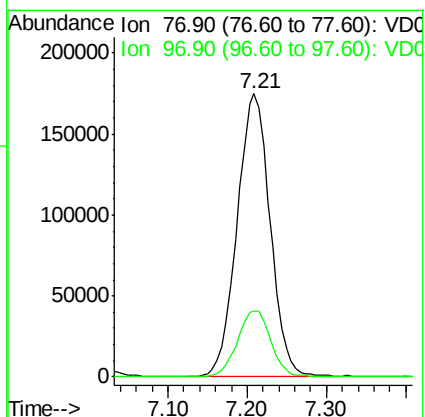
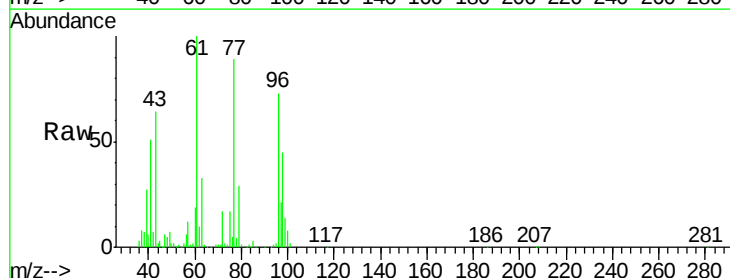
Acq: 03 Feb 2020 17:03

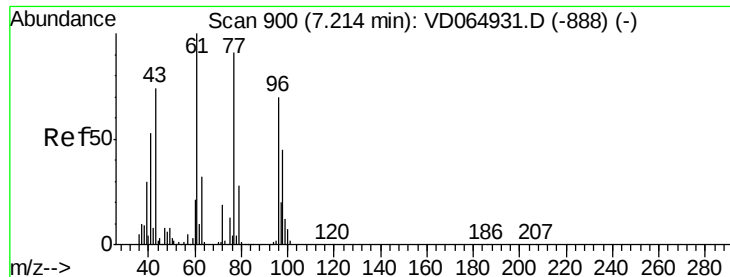
Tgt Ion: 77 Resp: 506846

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.2





#27

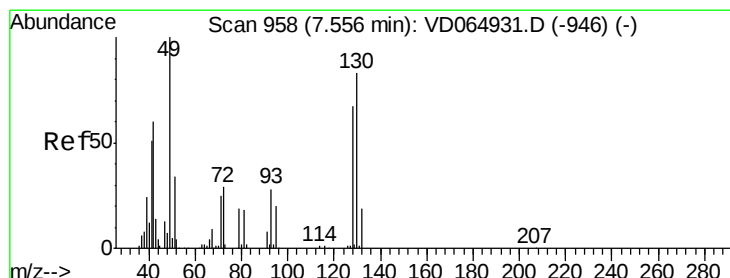
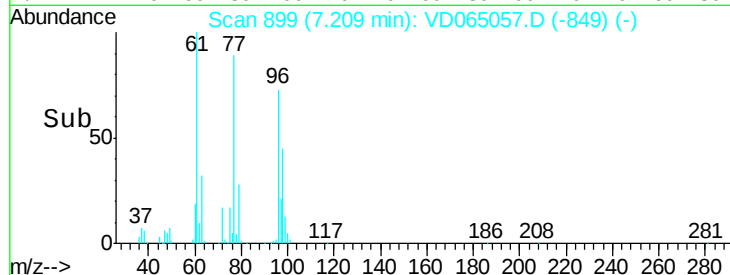
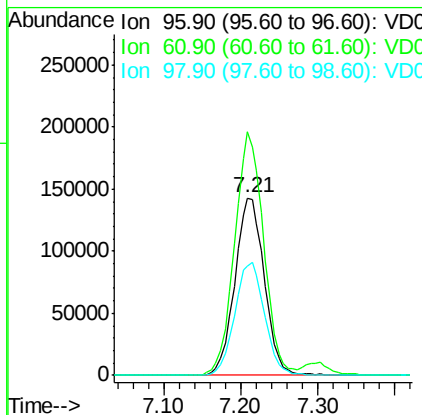
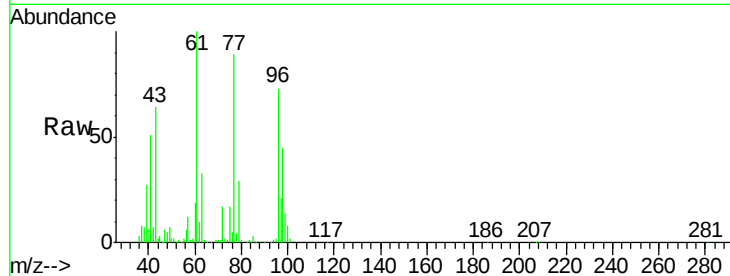
cis-1,2-Dichloroethene
 Concen: 53.412 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	381537		
61	135.6	0.0	292.8	
98	64.0	0.0	130.0	

Manual Integrations
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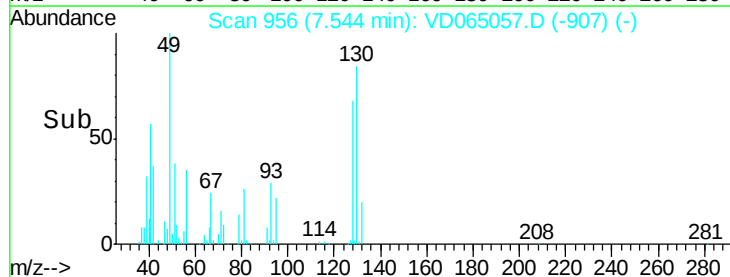
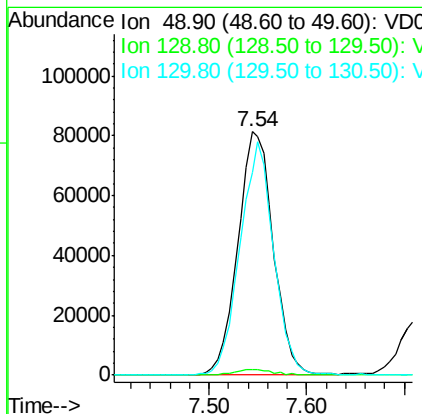
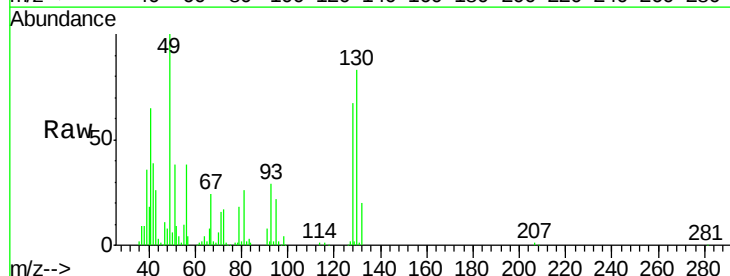
MMDadoda
 2/4/2020 11:21:17 AM

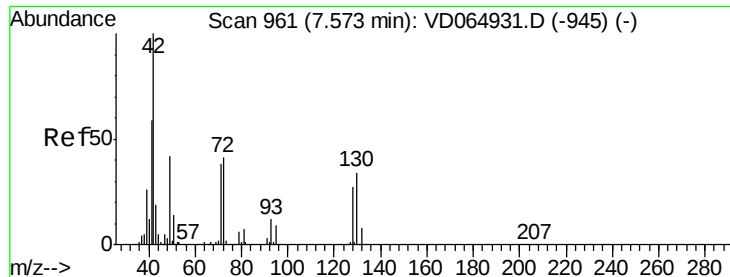


#28

Bromochloromethane
 Concen: 45.630 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	206874		
129	2.4	0.0	4.4	
130	91.0	63.8	95.8	





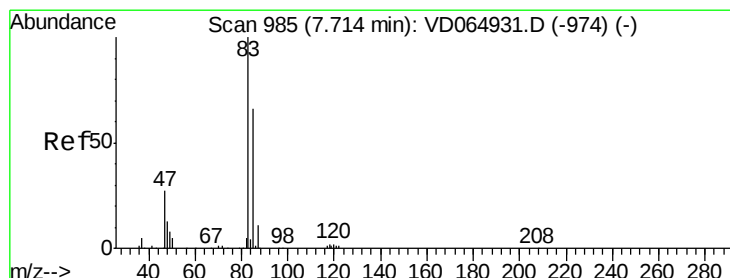
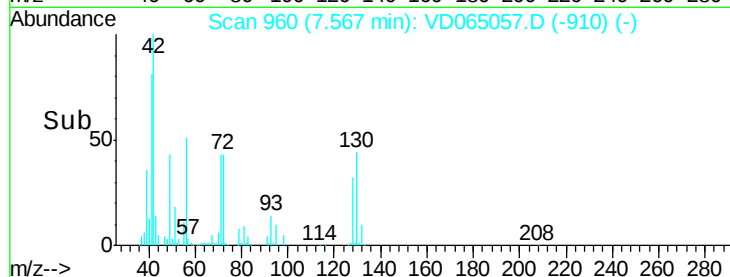
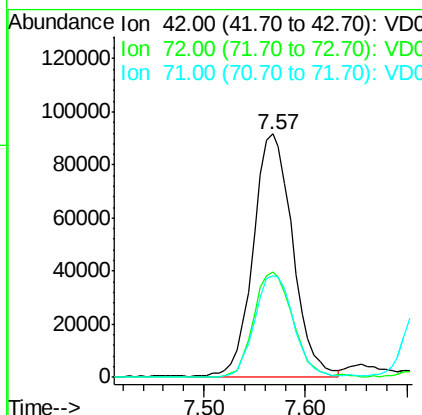
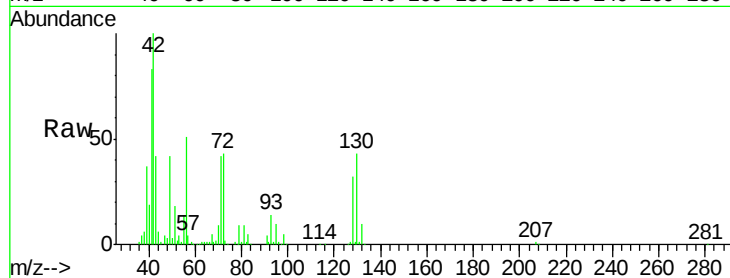
#29
Tetrahydrofuran
Concen: 231.085 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.0	51.0
71	41.8	31.5	47.3

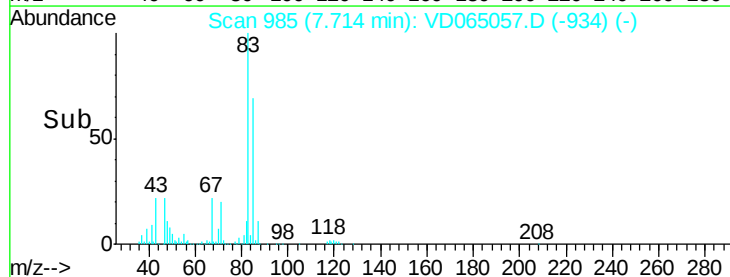
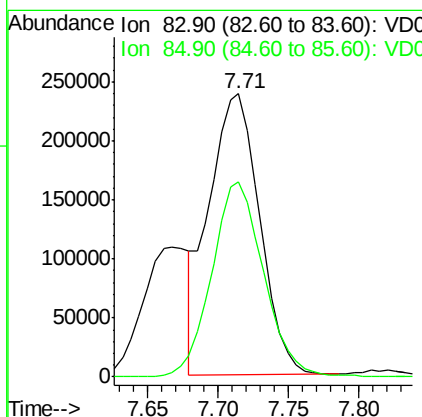
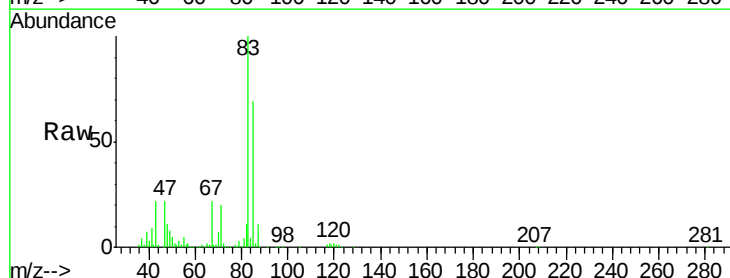
Manual Integrations
APPROVED

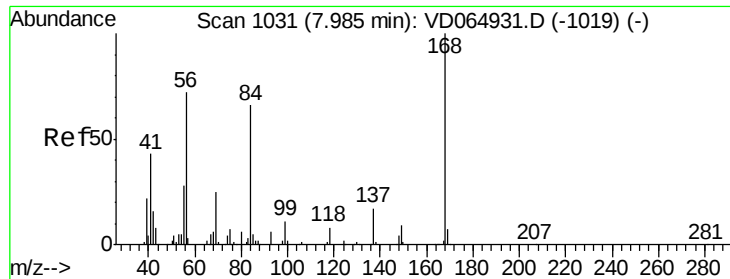
MMDadoda
2/4/2020 11:21:17 AM



#30
Chloroform
Concen: 50.714 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.0	52.4	78.6





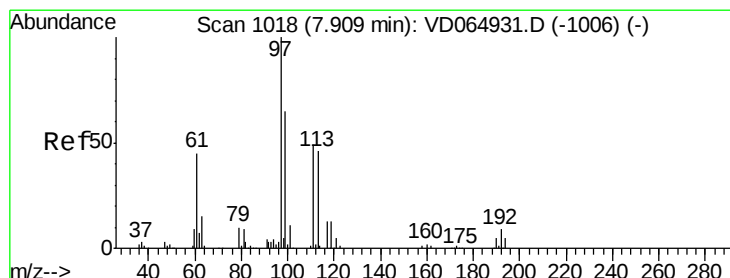
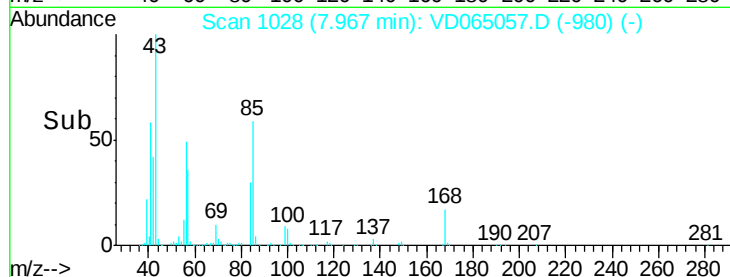
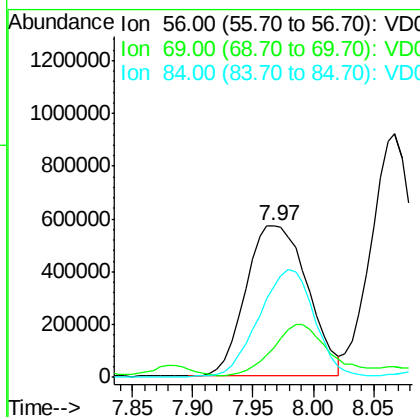
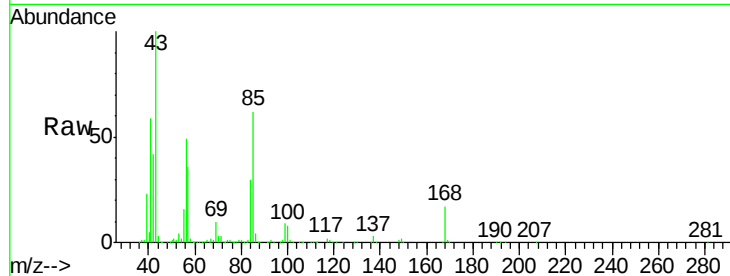
#31
Cyclohexane
Concen: 181.603 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 2025271
Ion Ratio Lower Upper
56 100
69 14.6 27.9 41.9#
84 60.2 72.8 109.2#

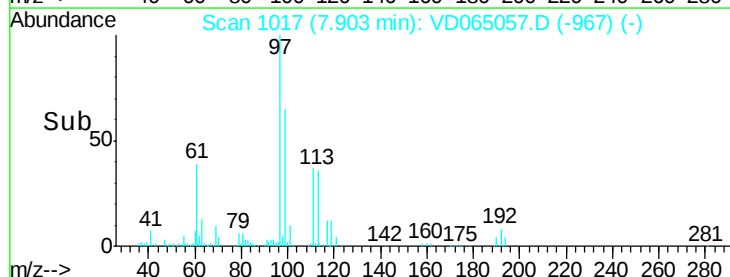
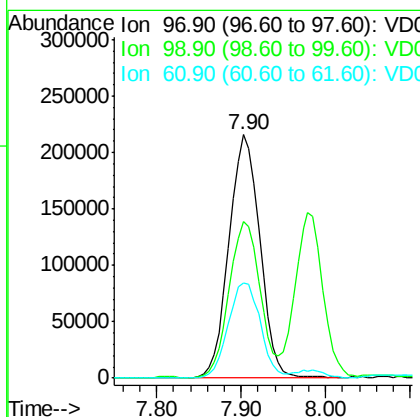
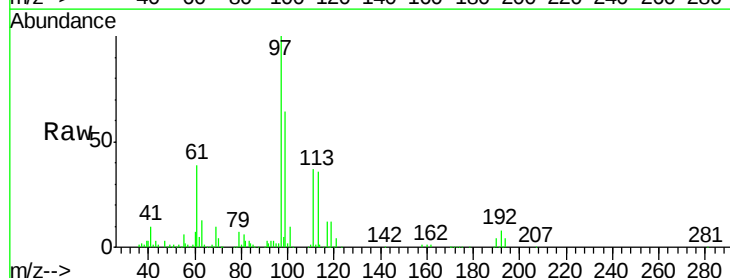
Manual Integrations
APPROVED

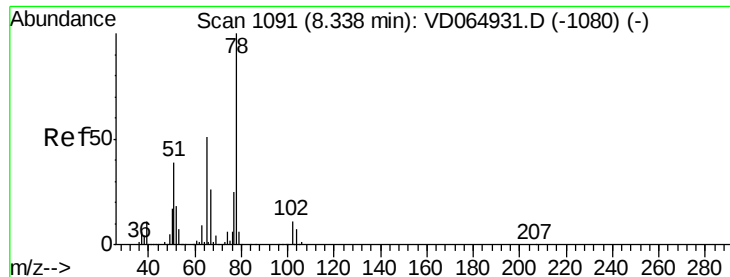
MMDadoda
2/4/2020 11:21:17 AM



#32
1,1,1-Trichloroethane
Concen: 50.220 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion: 97 Resp: 547500
Ion Ratio Lower Upper
97 100
99 64.5 50.6 76.0
61 40.6 35.7 53.5





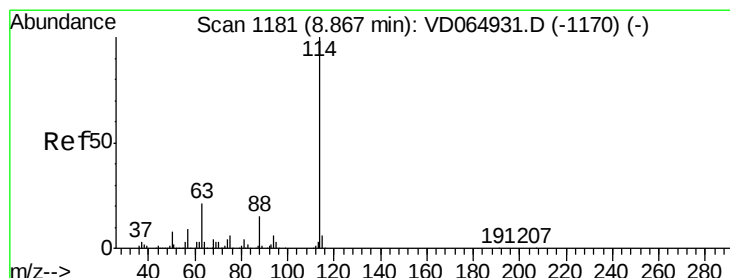
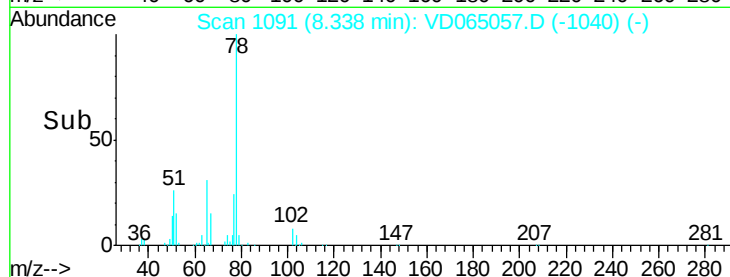
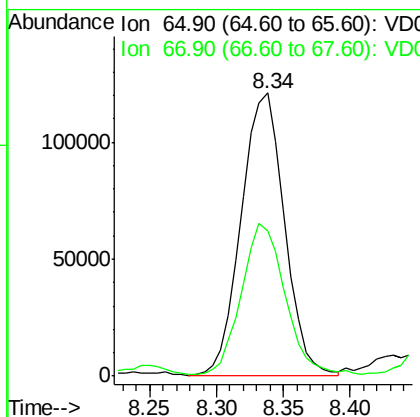
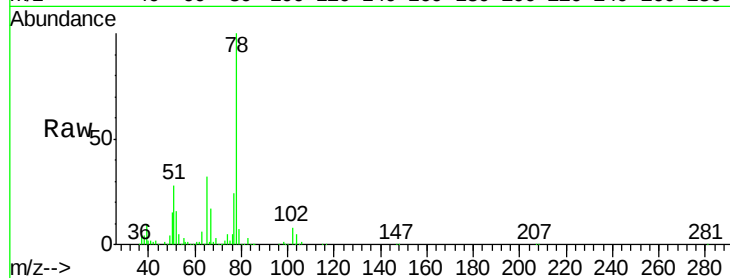
#33
 1,2-Dichloroethane-d4
 Concen: 42.322 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	103.6

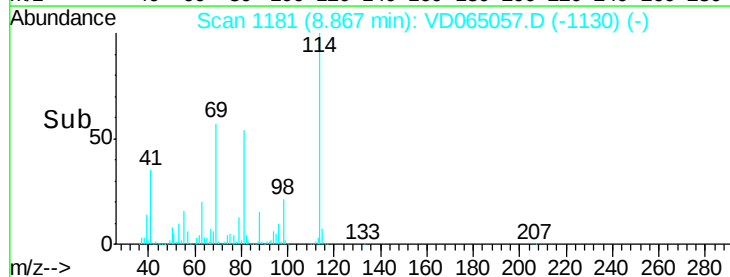
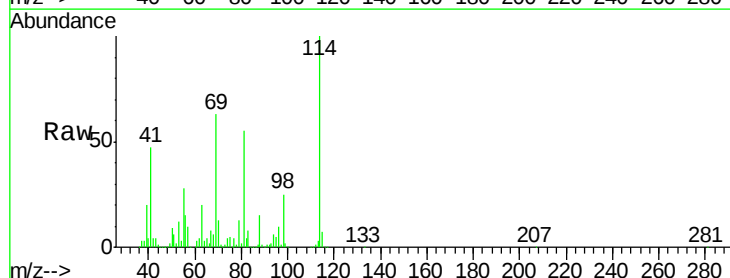
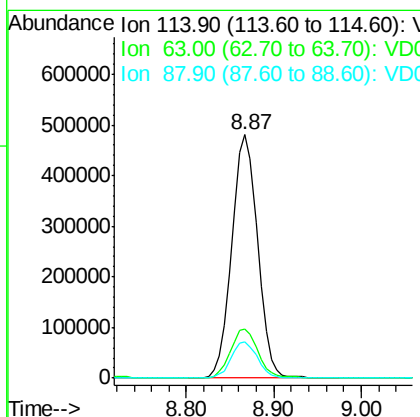
Manual Integrations
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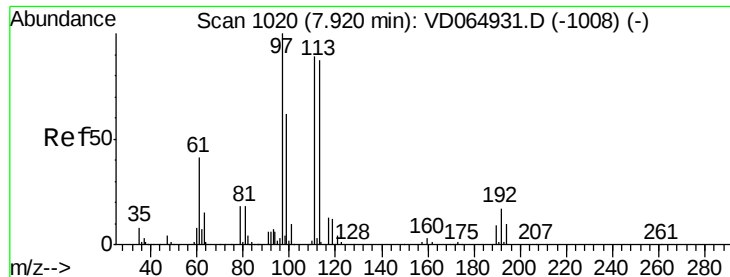
MMDadoda
 2/4/2020 11:21:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.0
88	15.1	0.0	29.4





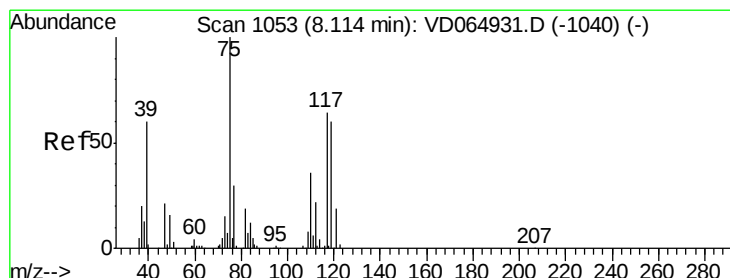
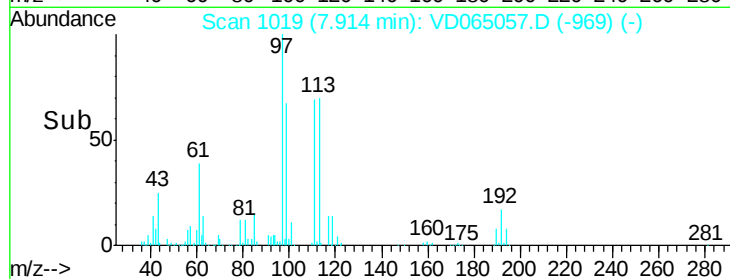
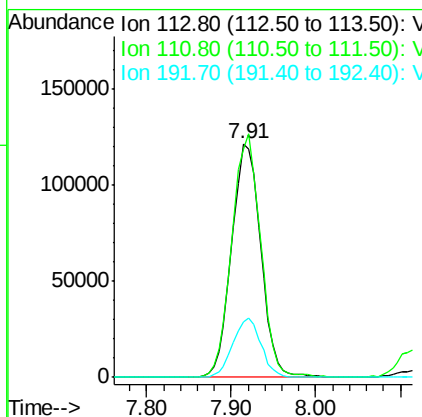
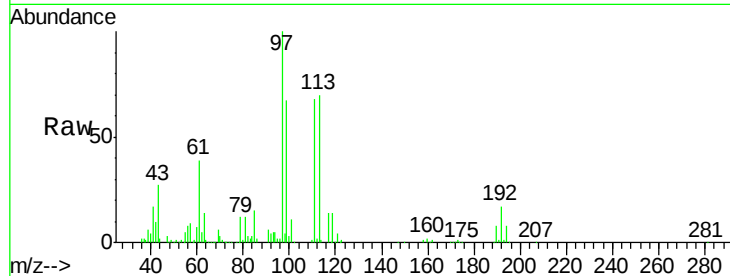
#35
Dibromofluoromethane
Concen: 48.019 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	24.3	16.9	25.3

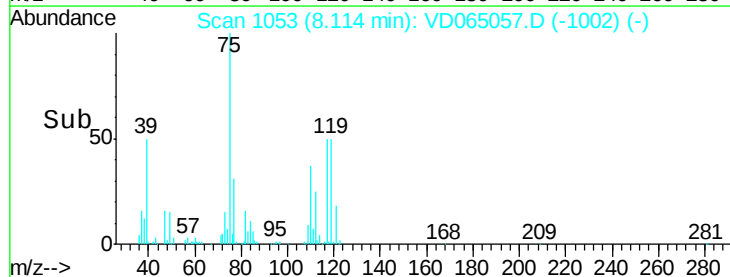
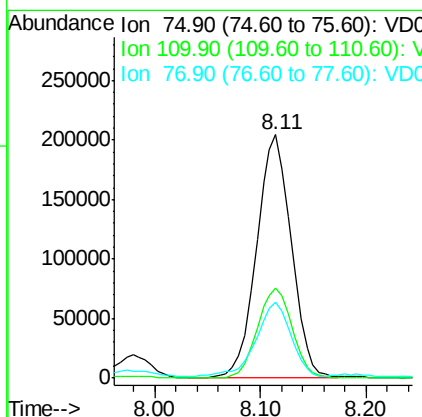
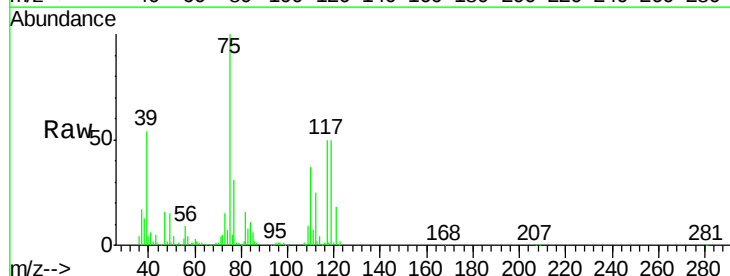
Manual Integrations
APPROVED

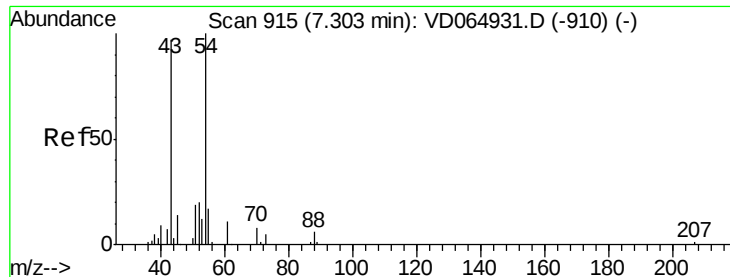
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.983 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	17.3	52.0
77	31.9	24.7	37.1





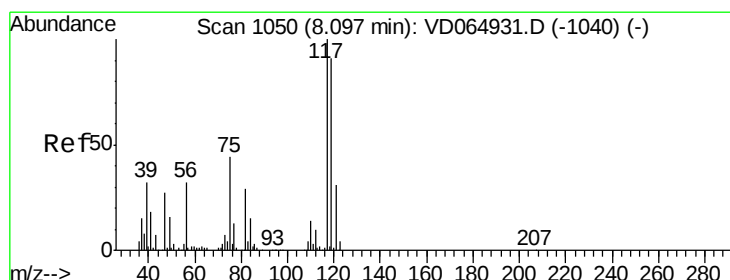
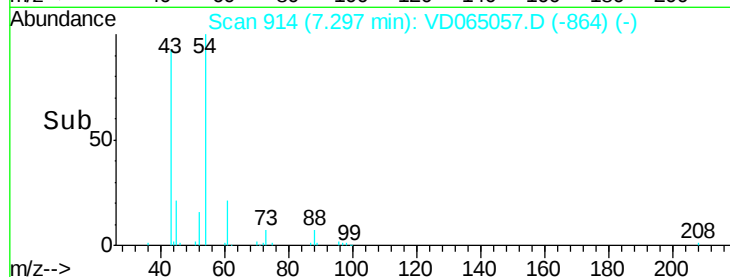
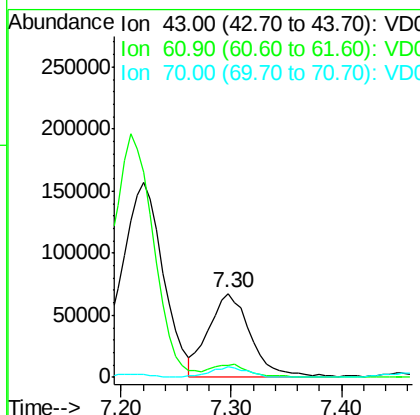
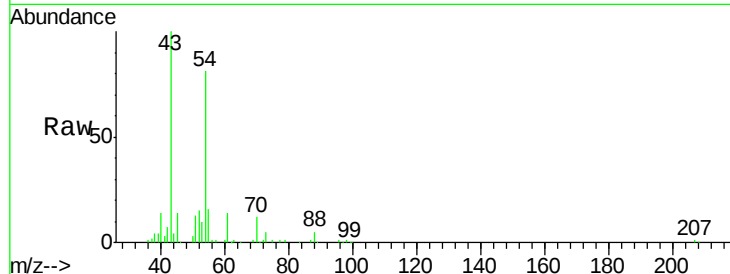
#37
Ethyl Acetate
Concen: 45.731 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	10.7	7.5	11.3

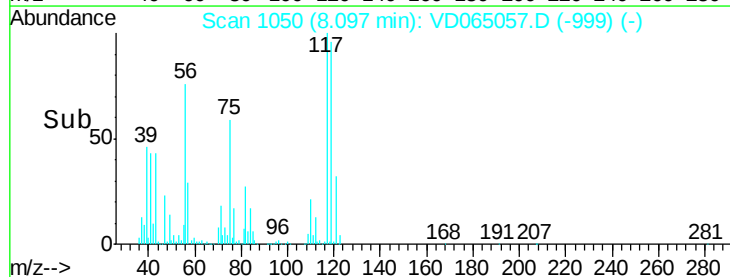
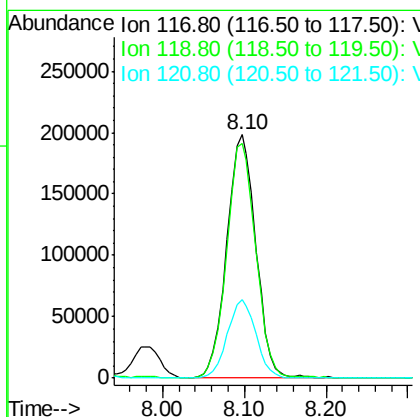
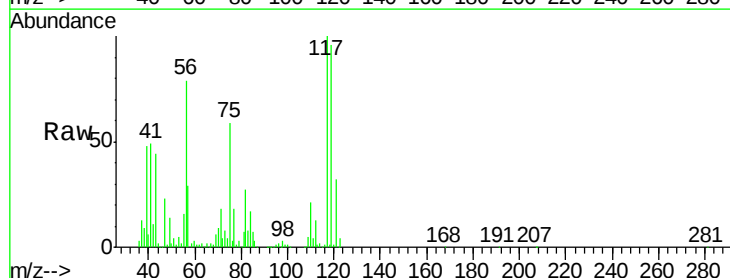
Manual Integrations
APPROVED

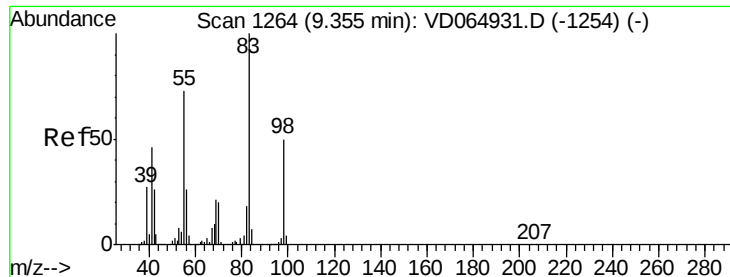
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.620 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	73.2	109.8
121	32.5	24.4	36.6





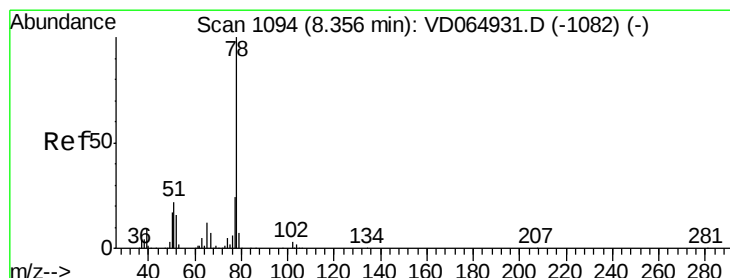
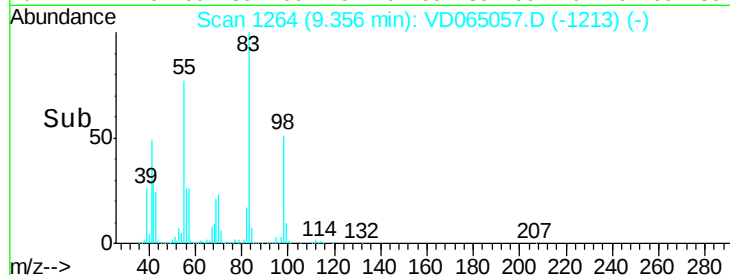
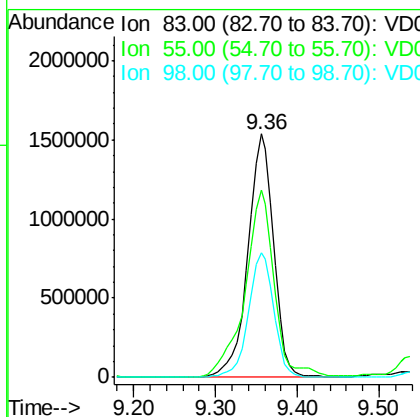
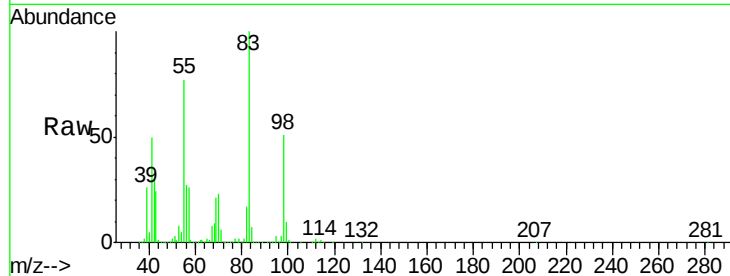
#39
Methvlcvclohexane
Concen: 309.825 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 3362411
Ion Ratio Lower Upper
83 100
55 77.1 58.7 88.1
98 51.0 40.2 60.2

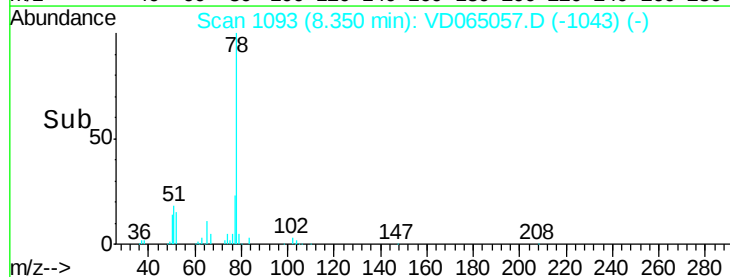
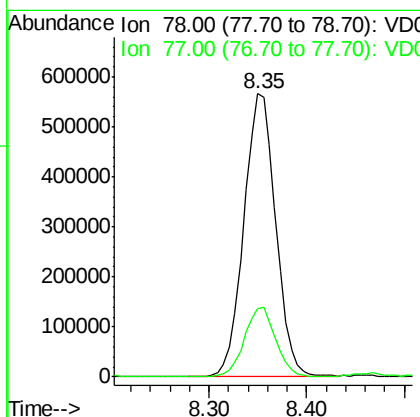
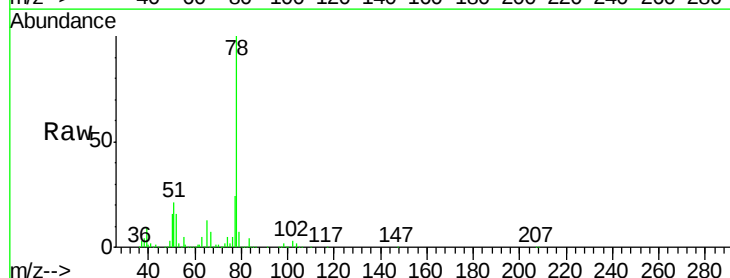
Manual Integrations
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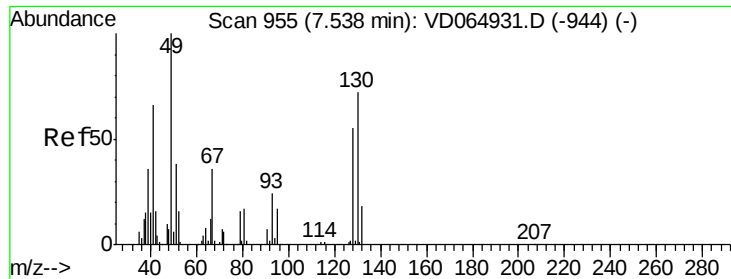
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#40
Benzene
Concen: 50.807 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion: 78 Resp: 1298939
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8





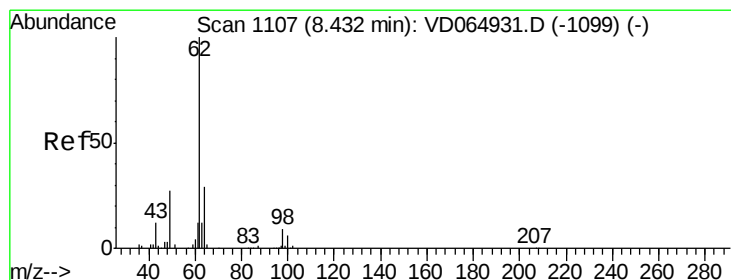
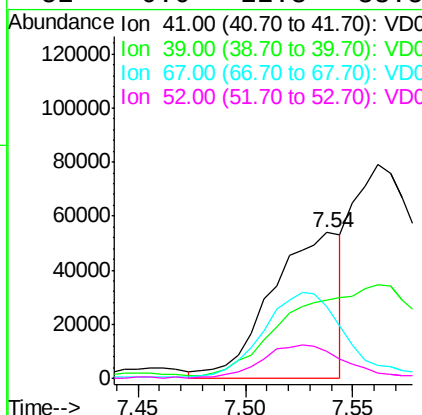
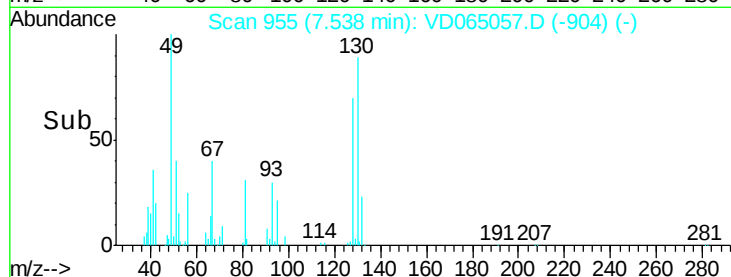
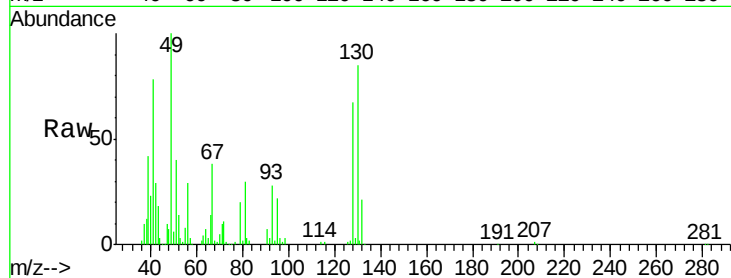
#41
Methacrylonitrile
Concen: 59.685 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	114.6	49.3	73.9#
67	0.0	51.0	76.6#
52	0.0	22.3	33.5#

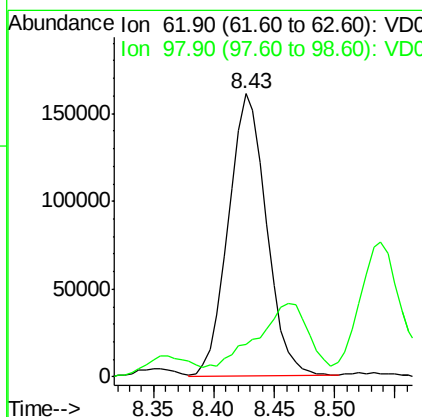
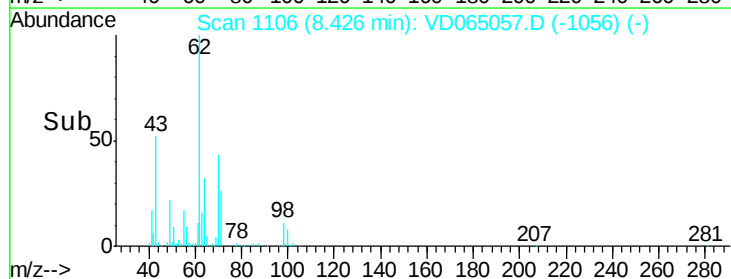
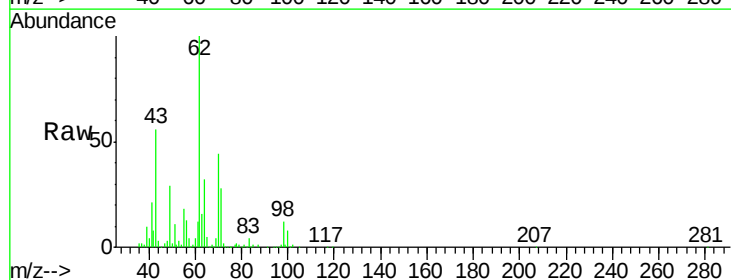
Manual Integrations
APPROVED

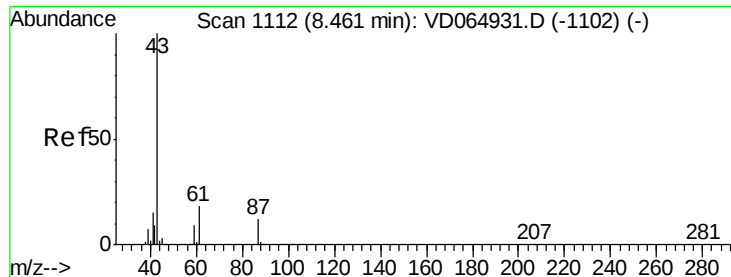
MMDadoda
2/4/2020 11:21:17 AM



#42
1,2-Dichloroethane
Concen: 46.338 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 111.617 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

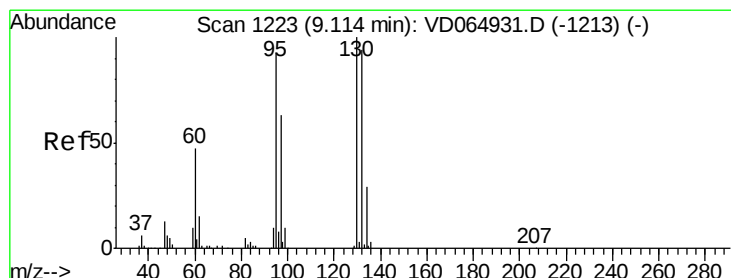
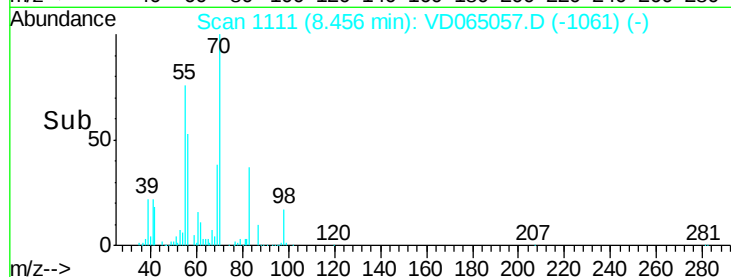
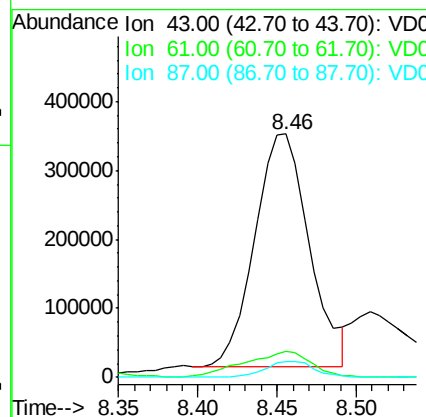
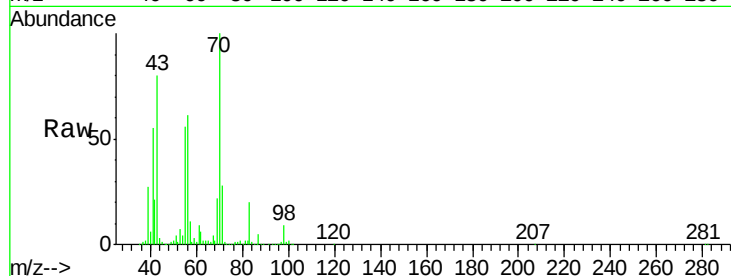
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	812952
Ion Ratio		Lower	Upper
43	100		
61	13.6	23.8	35.6#
87	6.2	10.3	15.5#

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#44

Trichloroethene

Concen: 54.964 ug/l

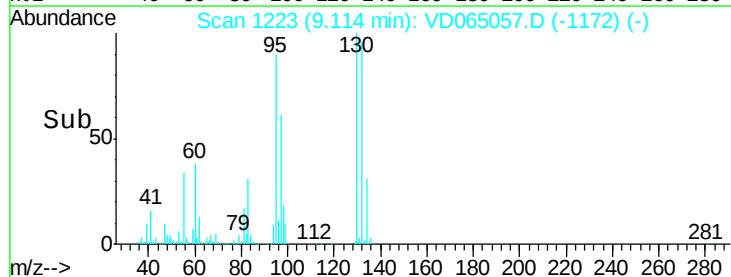
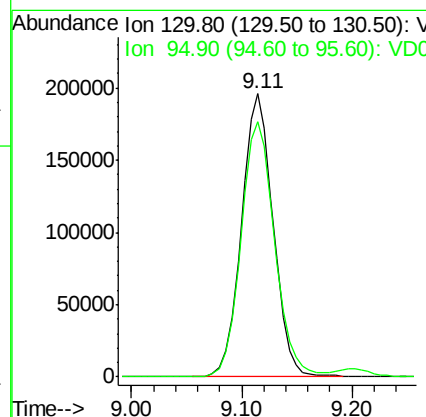
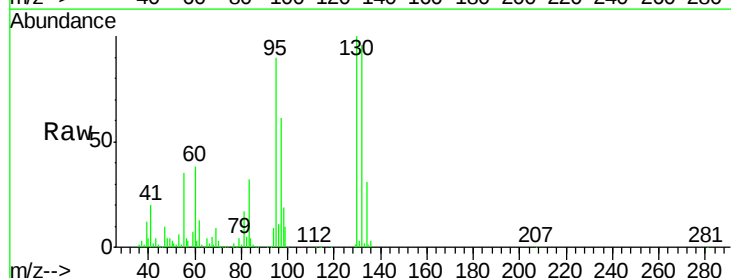
RT: 9.11 min Scan# 1223

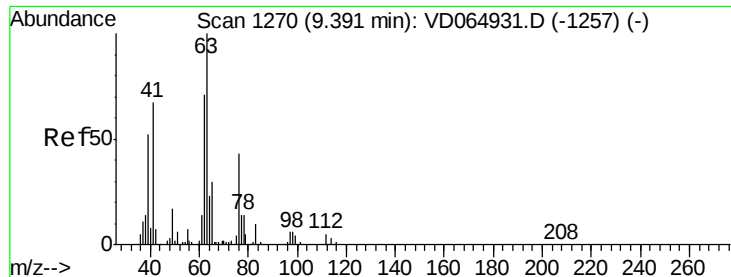
Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion:	130	Resp:	393274
Ion Ratio		Lower	Upper
130	100		
95	89.9	0.0	185.8





#45

1,2-Dichloropropane

Concen: 55.254 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 342450

Ion Ratio Lower Upper

63 100

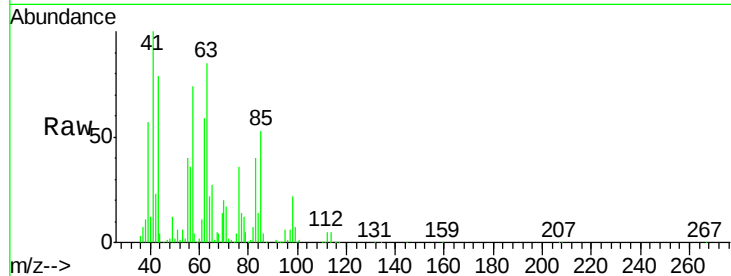
65 31.3 24.3 36.5

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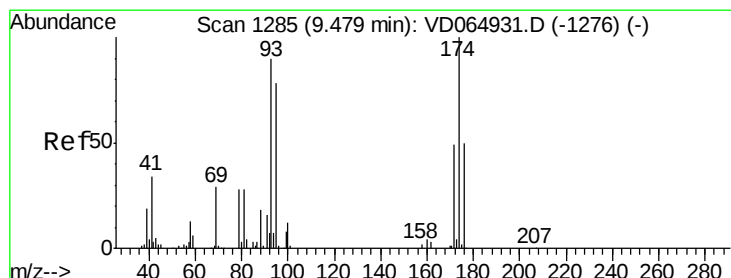
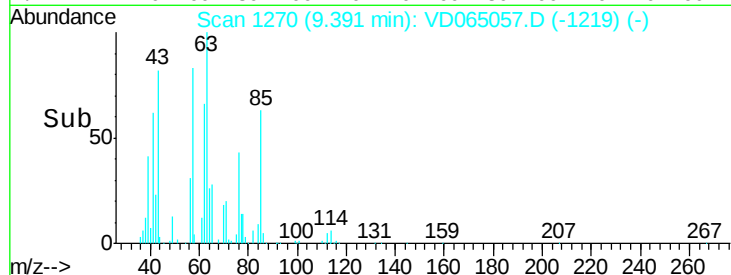
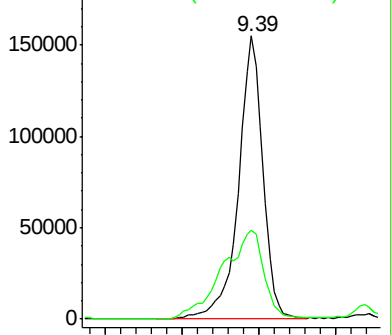
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.754 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

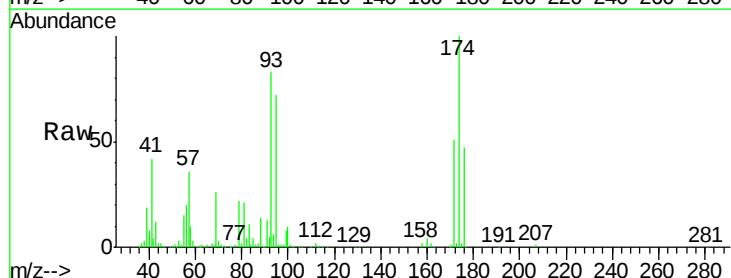
Tgt Ion: 93 Resp: 168353

Ion Ratio Lower Upper

93 100

95 83.5 67.5 101.3

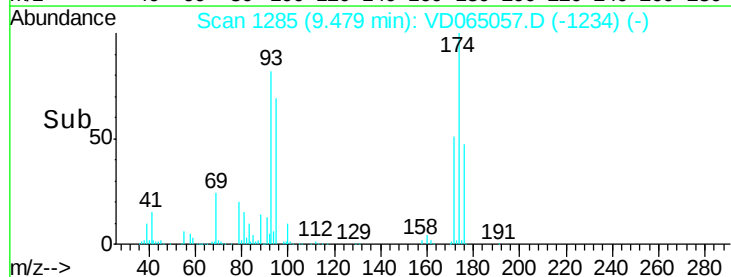
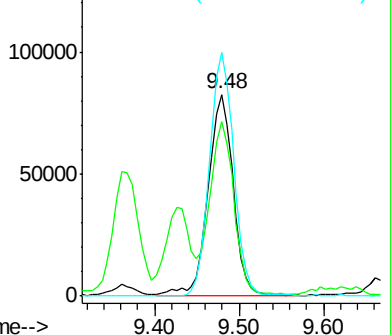
174 118.6 88.4 132.6

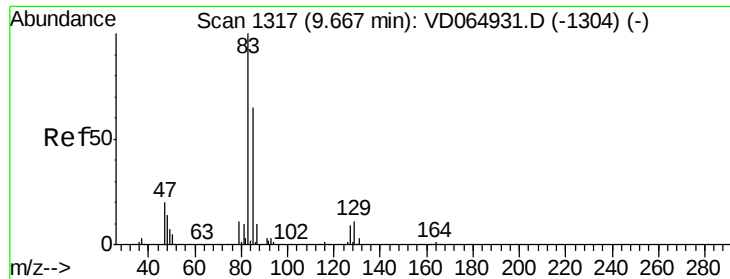


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 78.102 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

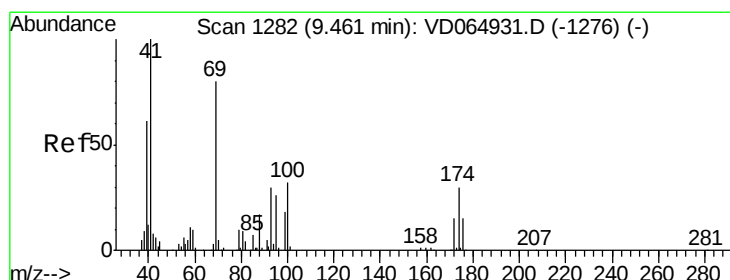
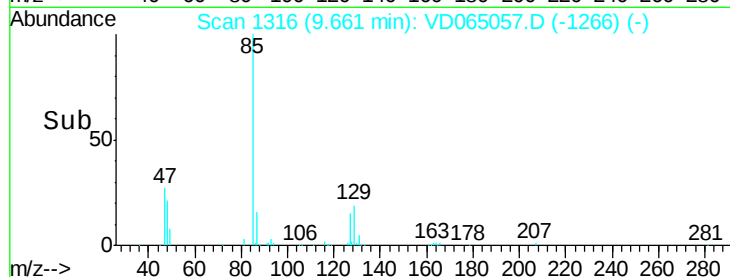
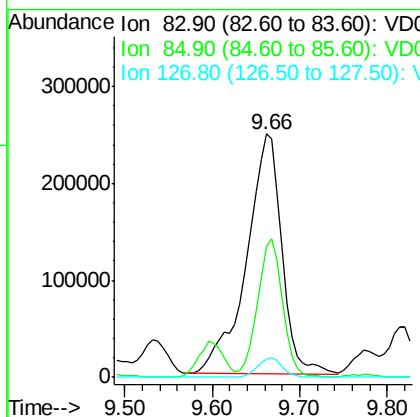
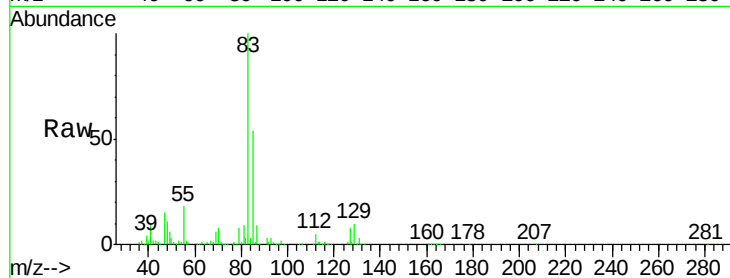
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	687674
Ion	Ratio	Lower	Upper
83	100		
85	54.3	52.0	78.0
127	7.9	7.3	10.9

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#48

Methyl methacrylate

Concen: 37.295 ug/l

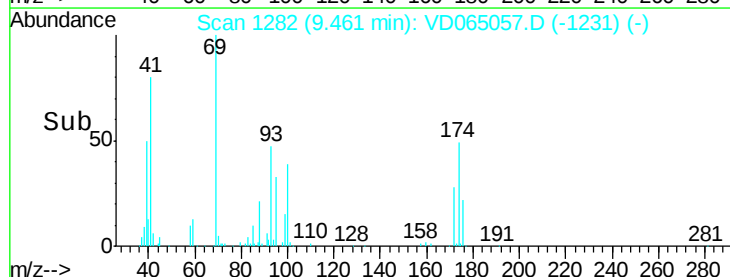
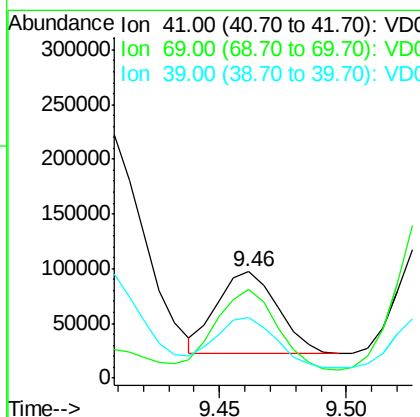
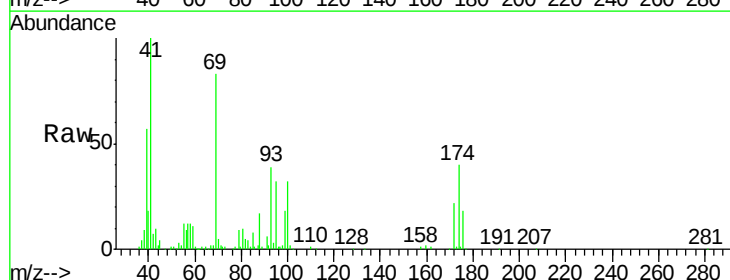
RT: 9.46 min Scan# 1282

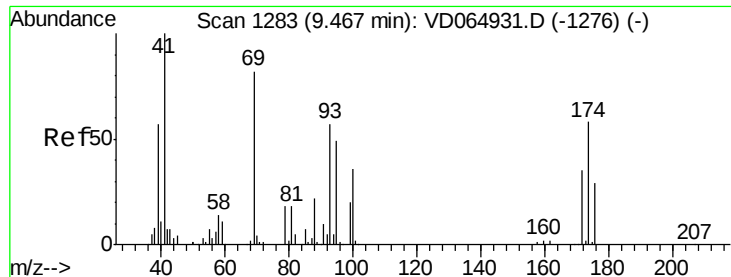
Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion:	41	Resp:	125002
Ion	Ratio	Lower	Upper
41	100		
69	98.6	65.8	98.8
39	73.3	49.4	74.0





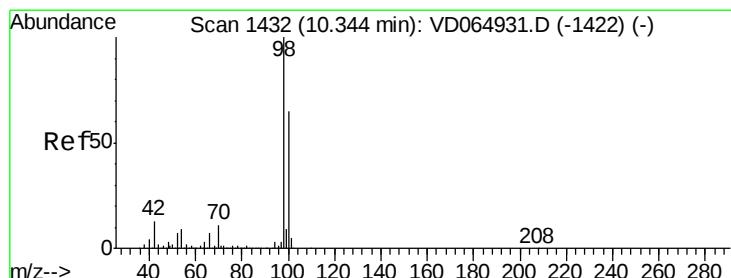
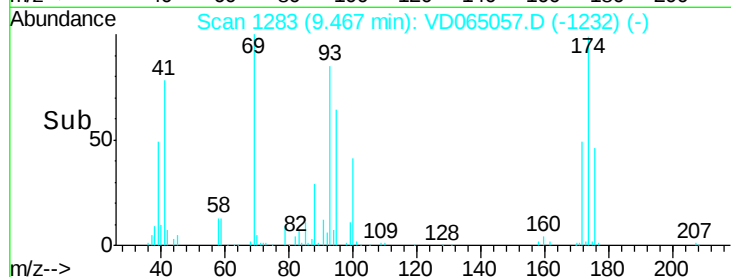
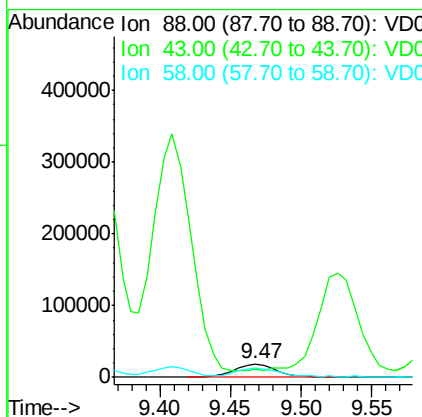
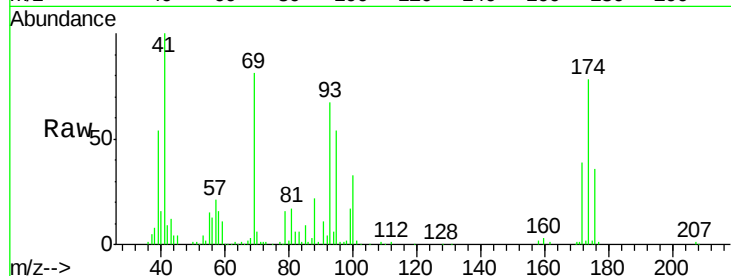
#49
1,4-Dioxane
Concen: 984.946 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	38653
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.2	39.4#
58	62.4	50.3	75.5

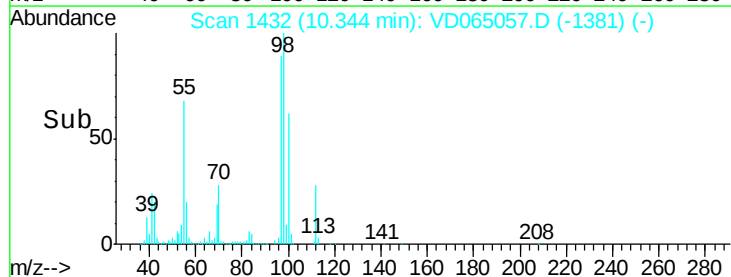
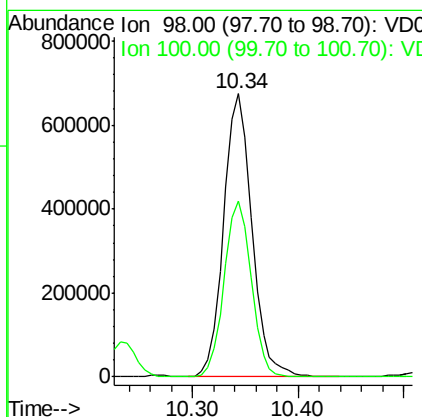
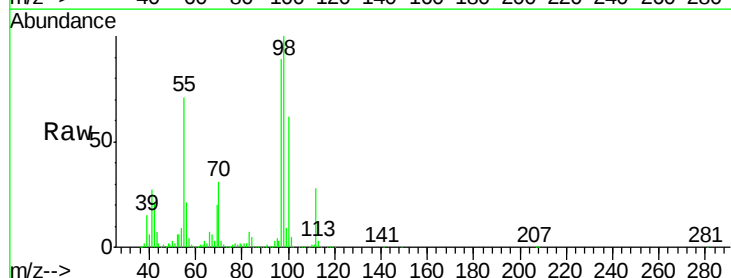
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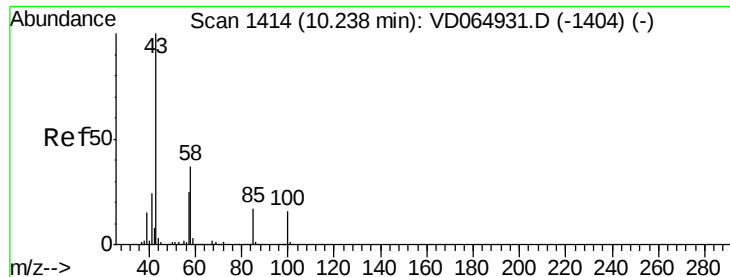
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#50
Toluene-d8
Concen: 53.420 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	98	Resp	1247286
Ion	Ratio	Lower	Upper
98	100		
100	59.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 248.190 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 904488

Ion Ratio Lower Upper

43 100

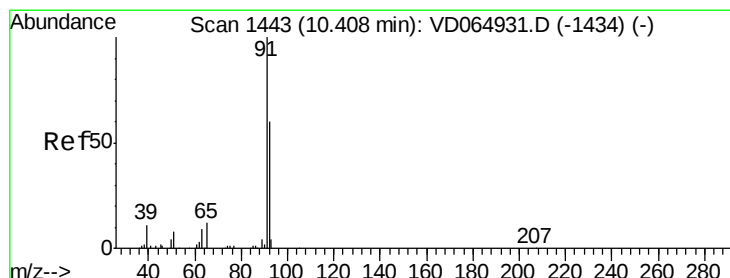
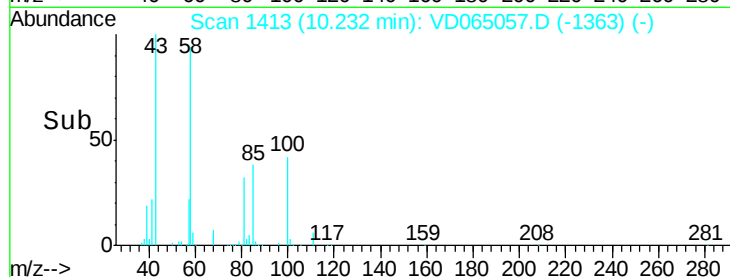
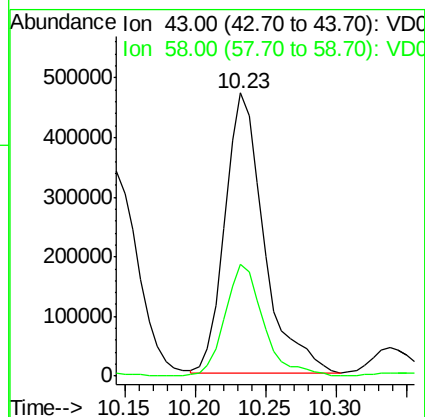
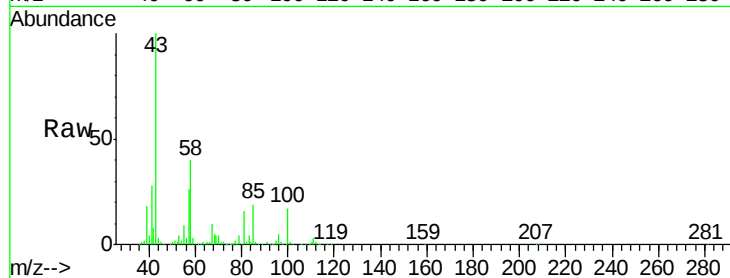
58 39.1 30.4 45.6

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#52

Toluene

Concen: 51.879 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065057.D

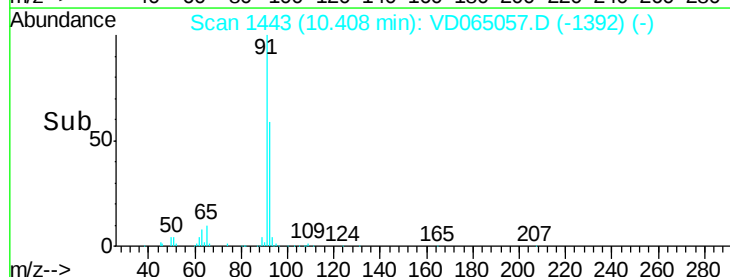
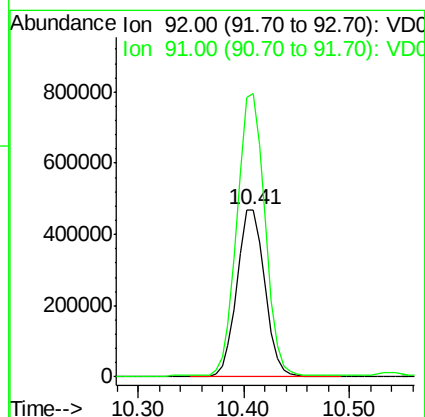
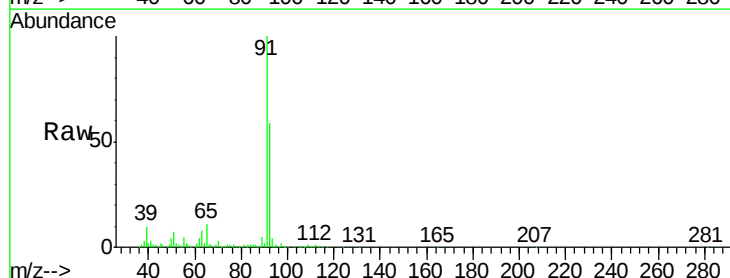
Acq: 03 Feb 2020 17:03

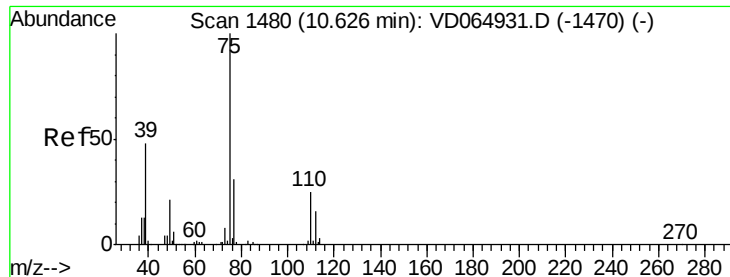
Tgt Ion: 92 Resp: 855118

Ion Ratio Lower Upper

92 100

91 168.6 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 50.519 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 423704

Ion Ratio Lower Upper

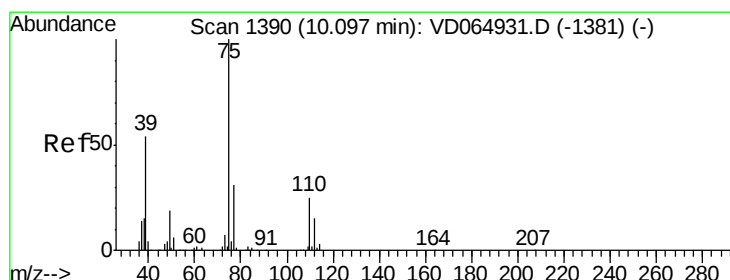
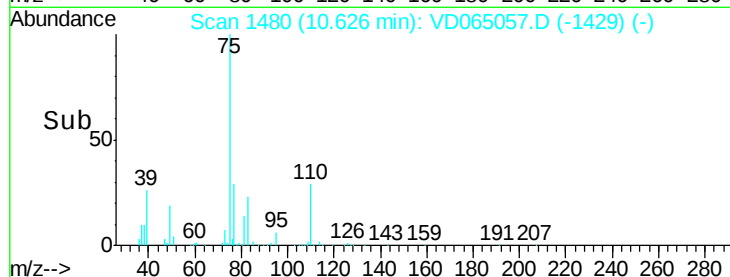
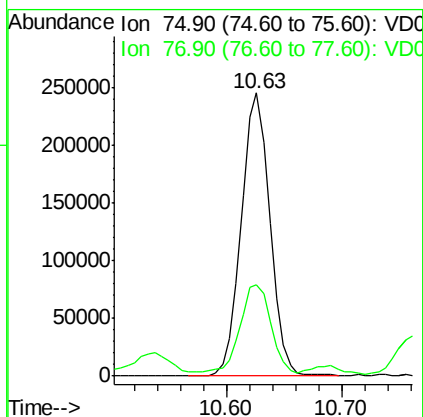
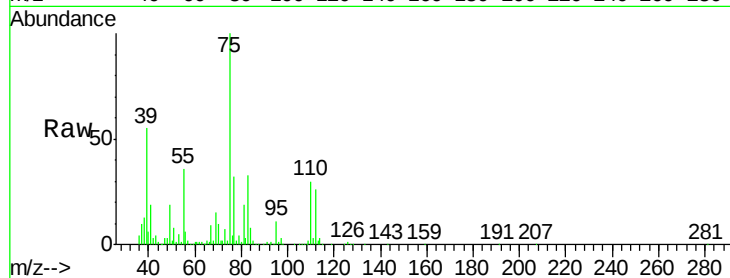
75 100

77 30.9 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 52.054 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

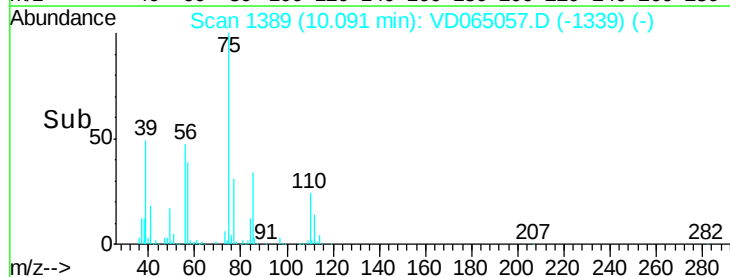
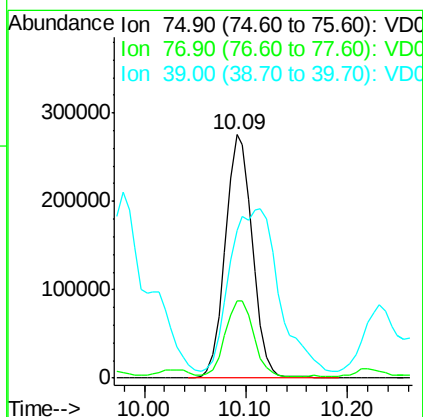
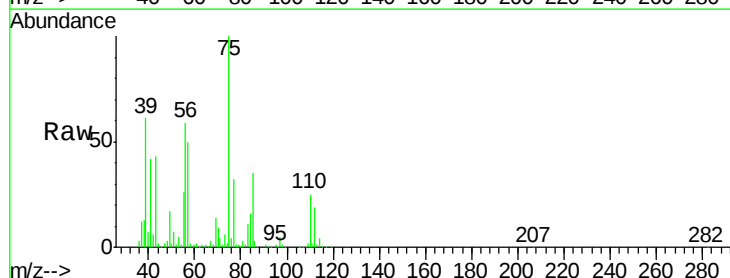
Tgt Ion: 75 Resp: 511149

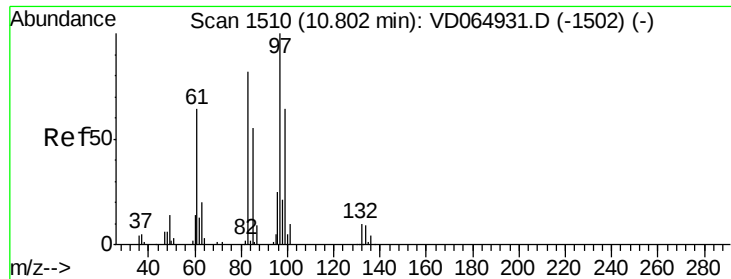
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 58.0 43.0 64.6





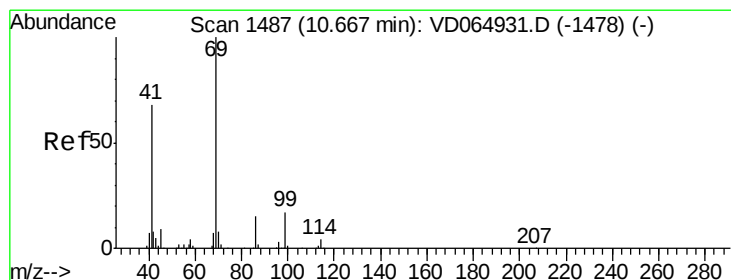
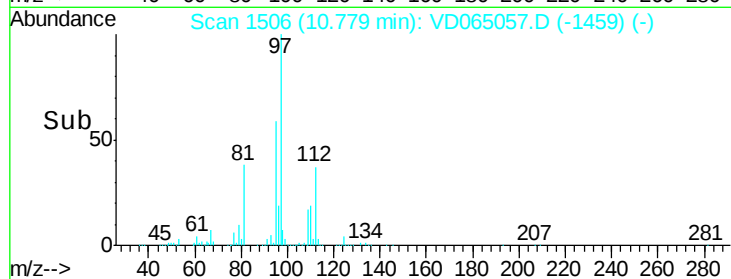
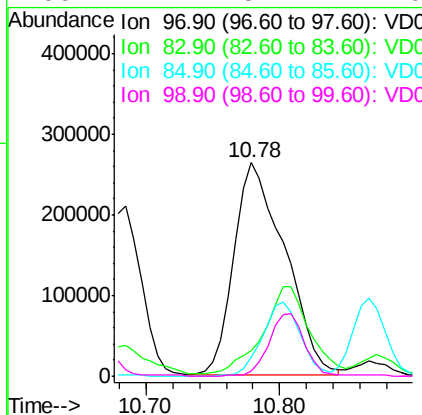
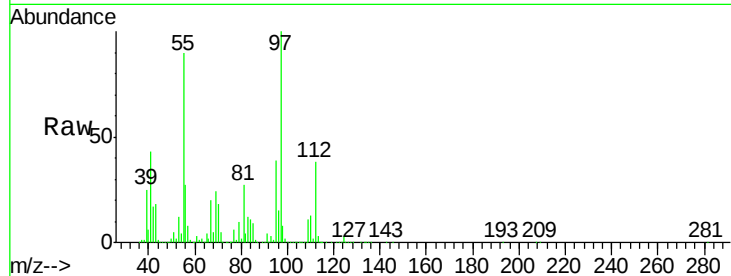
#55
 1,1,2-Trichloroethane
 Concen: 153.200 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		698269		
83	10.5	66.0	99.0#		
85	8.8	44.4	66.6#		
99	2.1	51.4	77.0#		

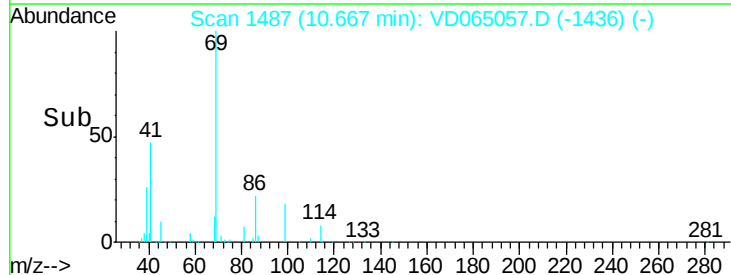
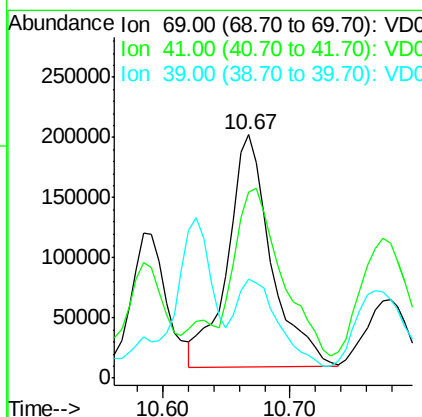
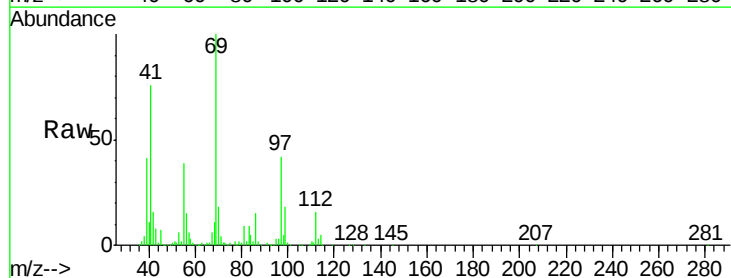
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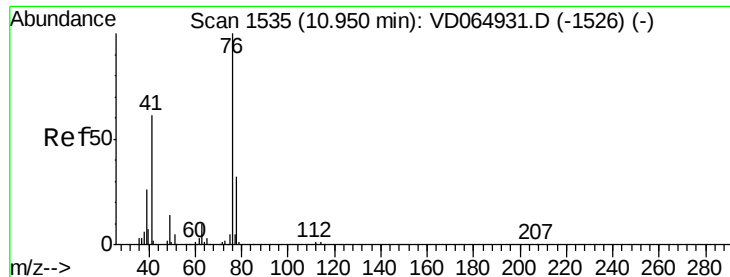
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#56
 Ethyl methacrylate
 Concen: 84.758 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		461966		
41	80.7	56.4	84.6		
39	35.8	30.6	46.0		





#57

1,3-Dichloropropane

Concen: 49.974 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 390676

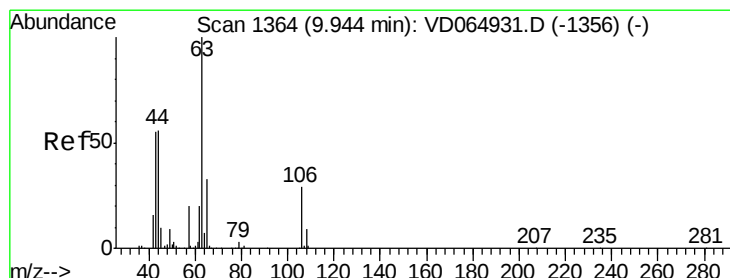
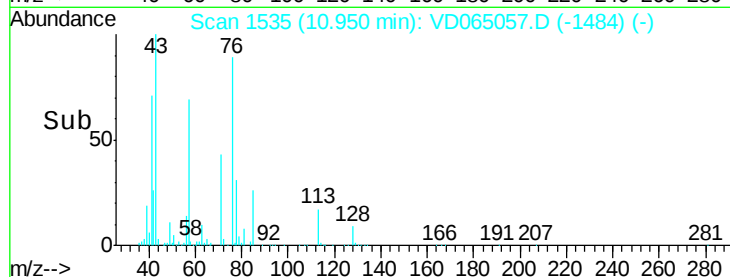
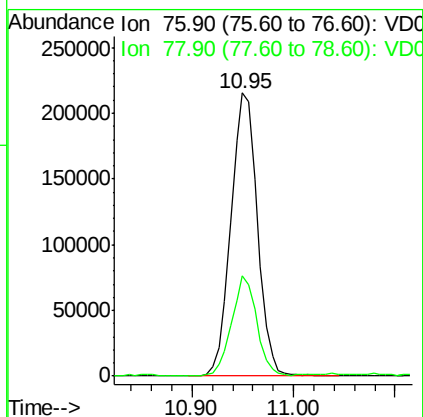
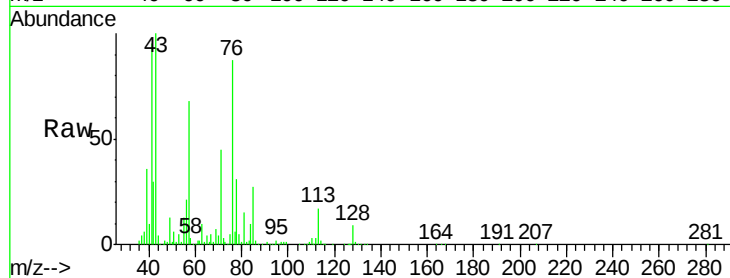
Ion Ratio Lower Upper

76 100

78 33.4 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 220.954 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065057.D

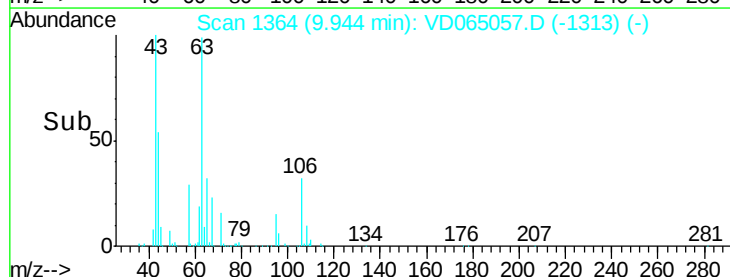
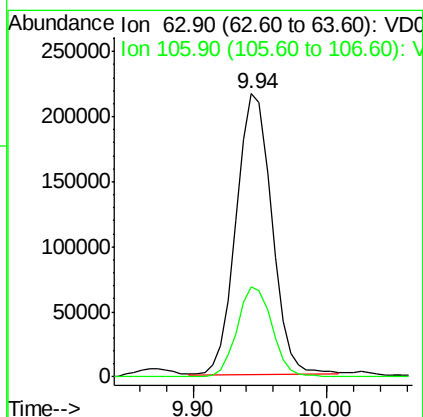
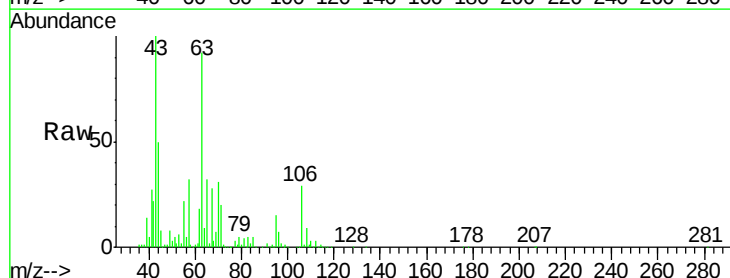
Acq: 03 Feb 2020 17:03

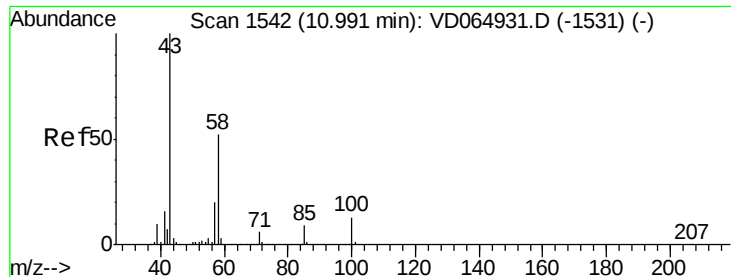
Tgt Ion: 63 Resp: 400093

Ion Ratio Lower Upper

63 100

106 31.7 23.0 34.4





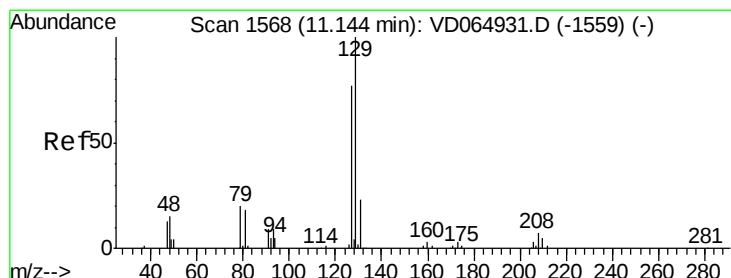
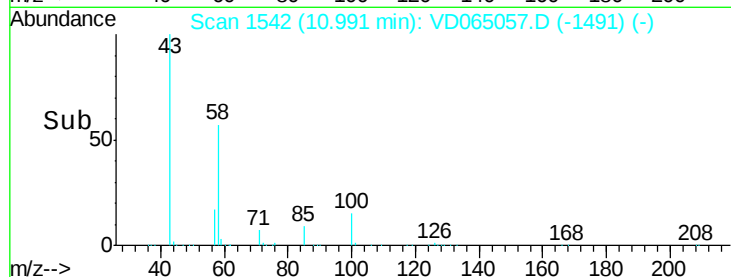
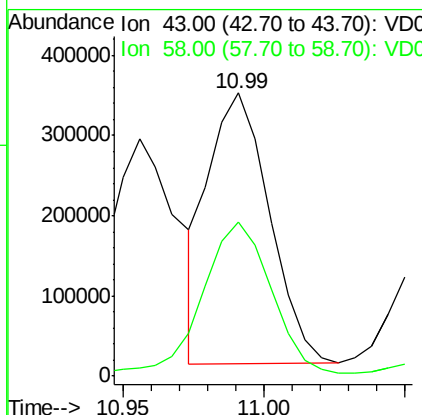
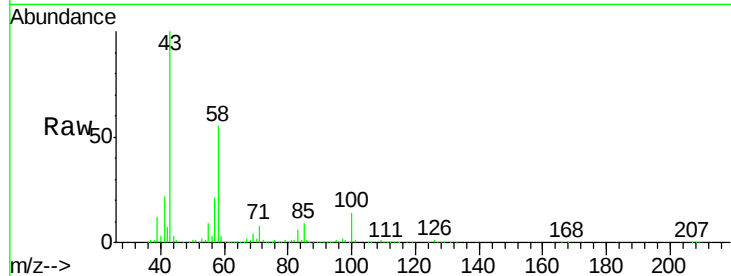
#59
2-Hexanone
Concen: 201.296 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 506010
Ion Ratio Lower Upper
43 100
58 66.2 26.5 79.4

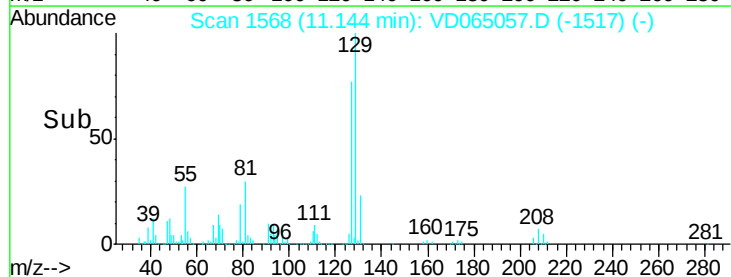
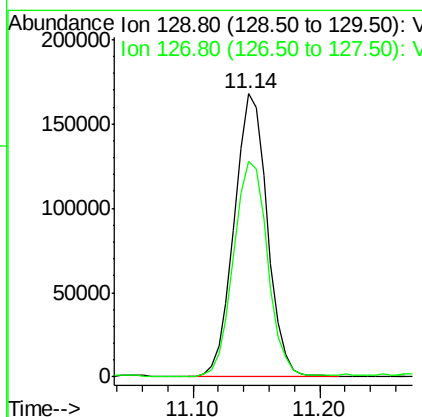
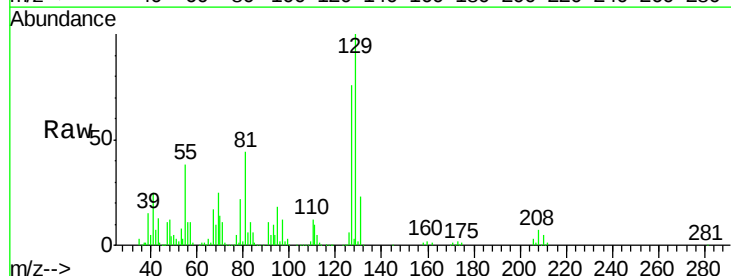
Manual Integrations
APPROVED

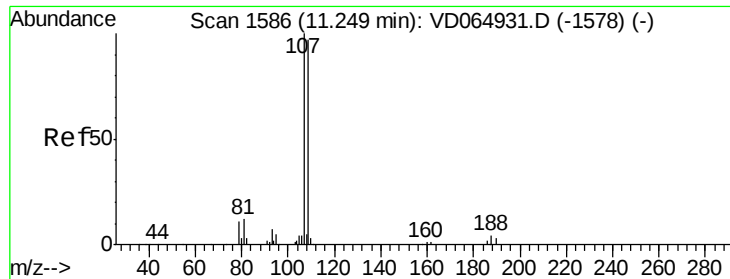
MMDadoda
2/4/2020 11:21:17 AM



#60
Dibromochloromethane
Concen: 49.844 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion: 129 Resp: 303643
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 51.564 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 226301

Ion Ratio Lower Upper

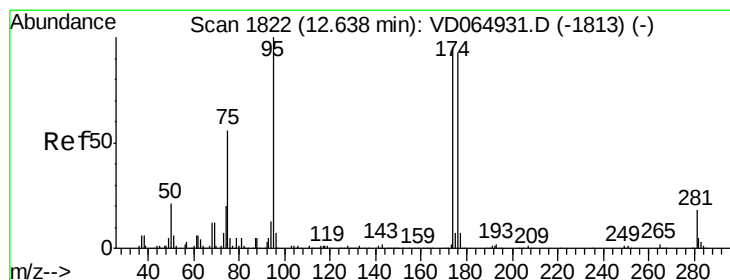
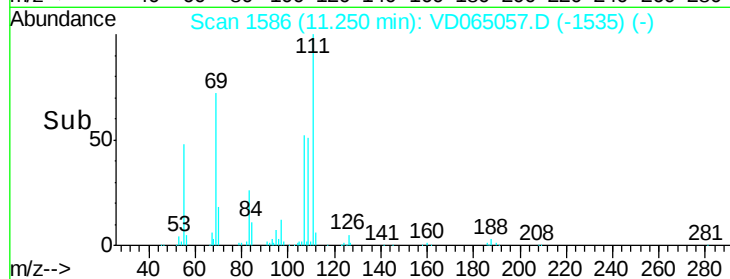
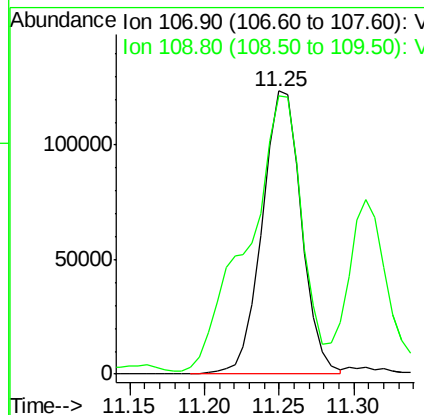
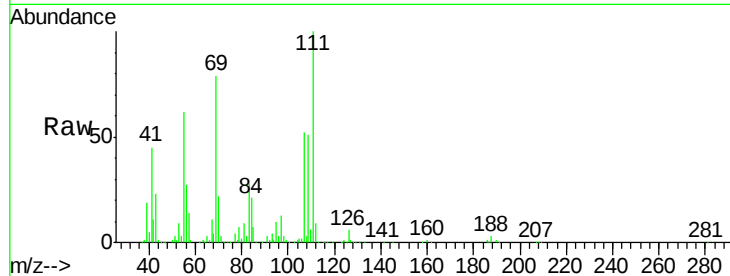
107 100

109 132.9 77.1 115.7#

Manual Integrations
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MMDadoda

2/4/2020 11:21:17 AM



#62

4-Bromofluorobenzene

Concen: 53.771 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

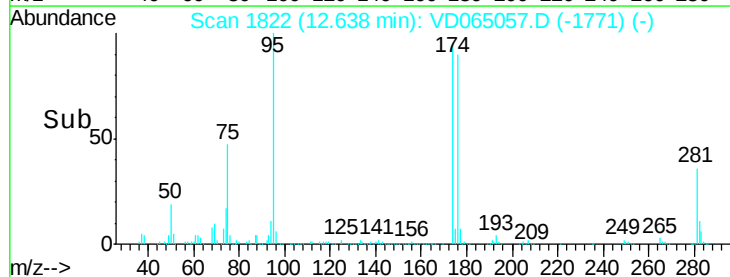
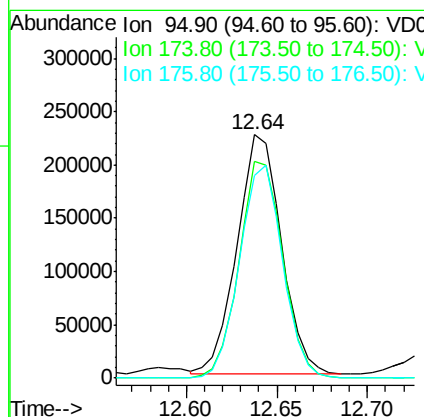
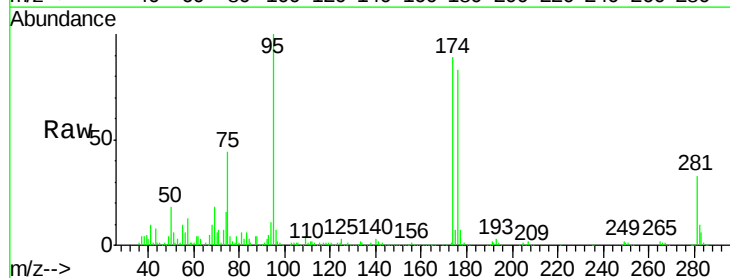
Tgt Ion: 95 Resp: 384206

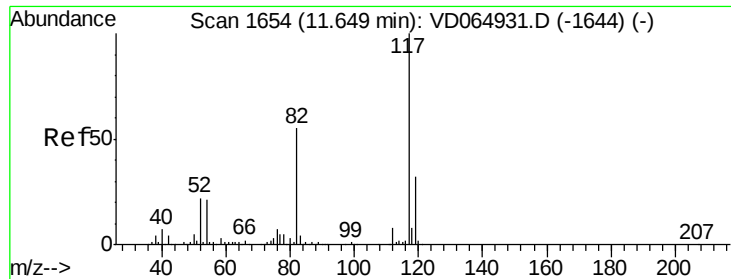
Ion Ratio Lower Upper

95 100

174 89.1 0.0 186.8

176 85.9 0.0 183.4





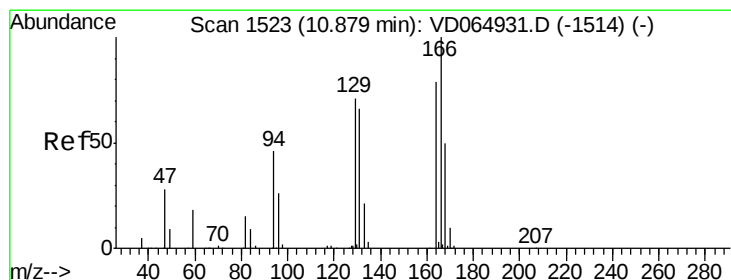
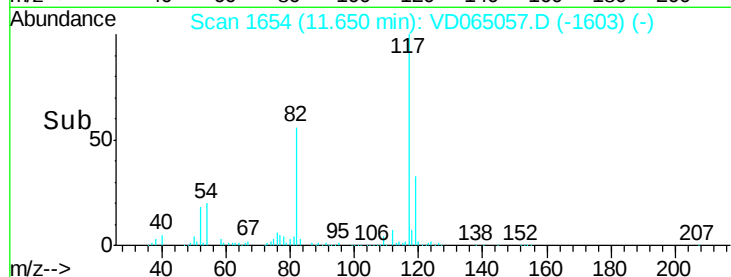
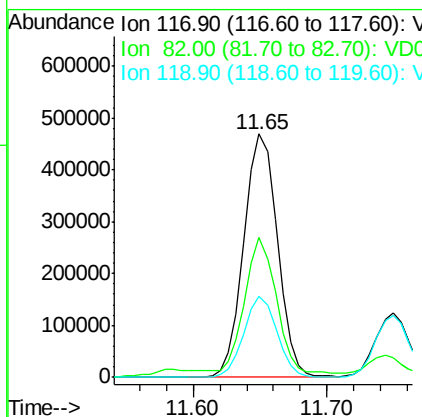
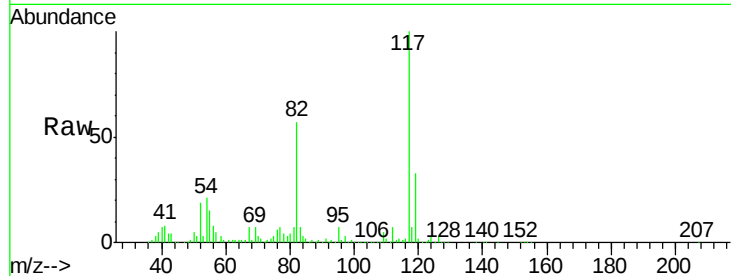
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	818197		
82	55.6	43.6	65.4	
119	33.1	25.2	37.8	

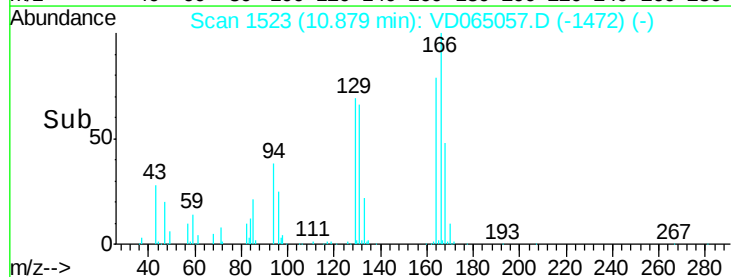
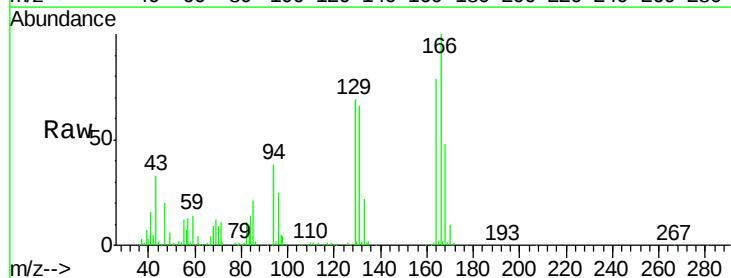
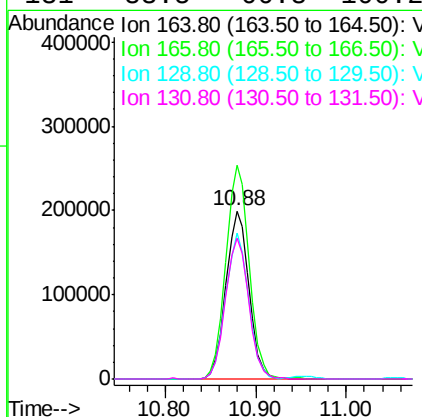
Manual Integrations
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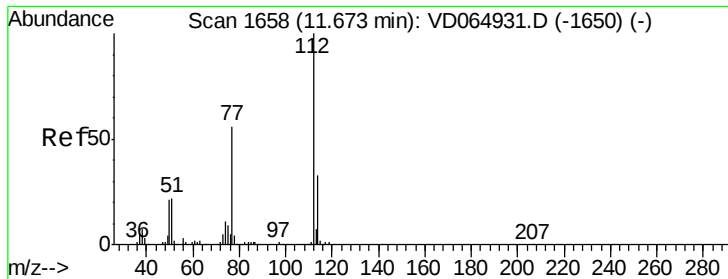
MMDadoda
2/4/2020 11:21:17 AM



#64
Tetrachloroethene
Concen: 59.357 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	350952		
166	127.1	101.4	152.2	
129	87.2	71.8	107.8	
131	83.5	66.8	100.2	





#65

Chlorobenzene

Concen: 53.671 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 891603

Ion Ratio Lower Upper

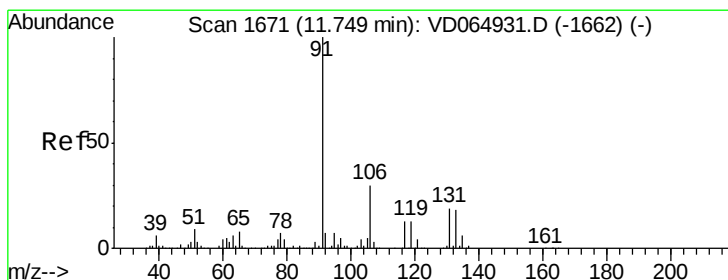
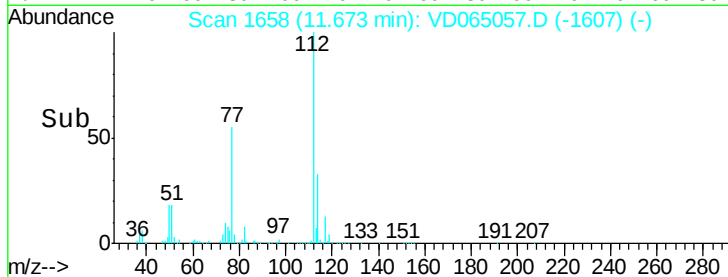
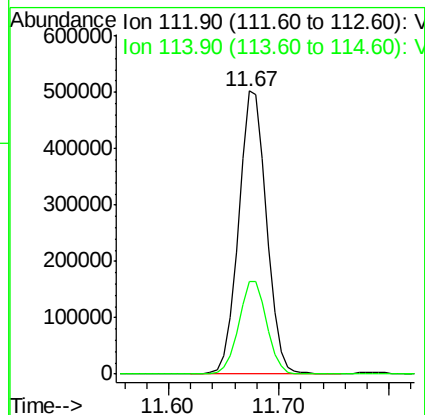
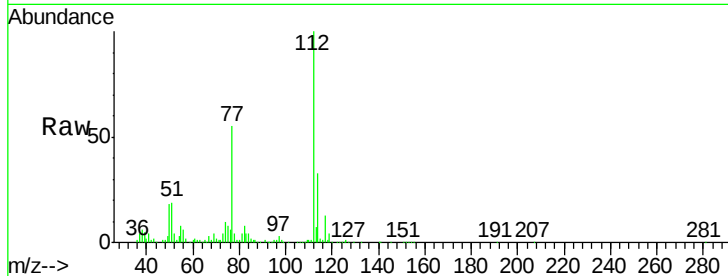
112 100

114 32.8 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.210 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

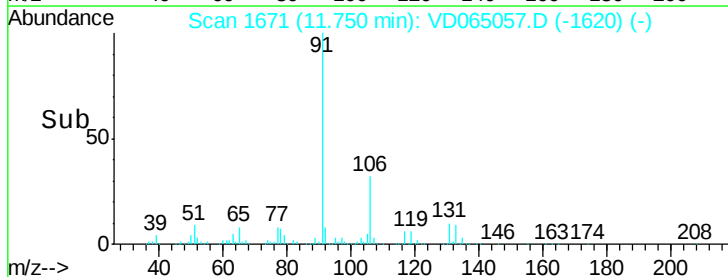
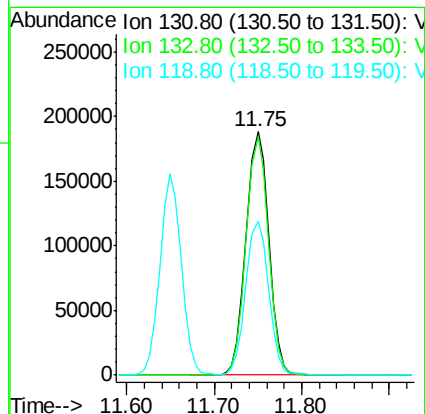
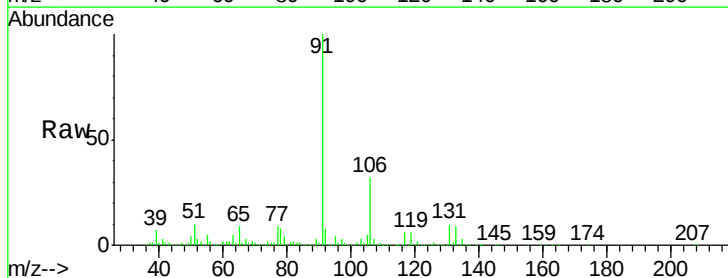
Tgt Ion:131 Resp: 332438

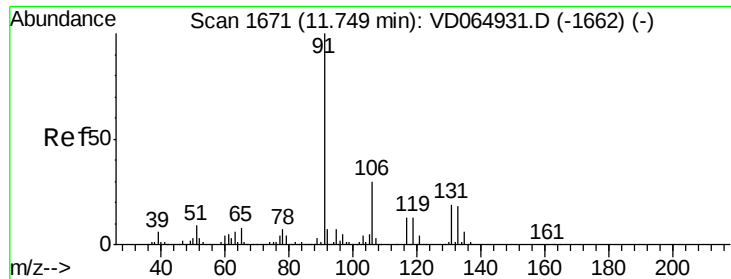
Ion Ratio Lower Upper

131 100

133 95.4 47.5 142.5

119 63.0 31.1 93.5





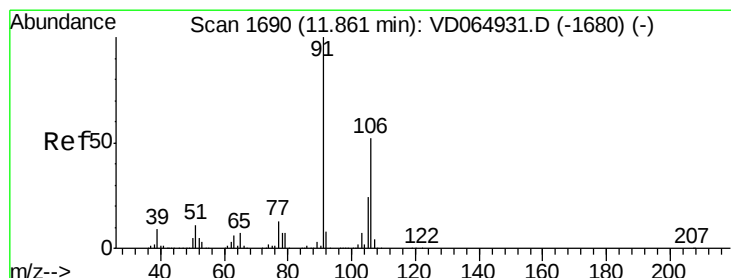
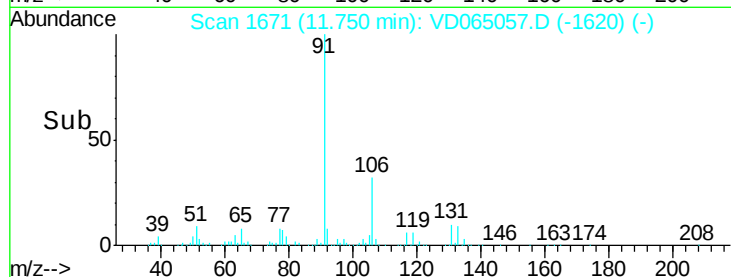
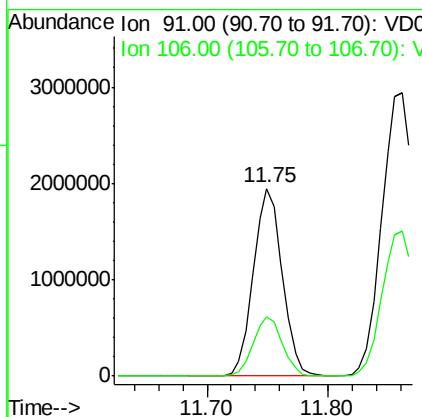
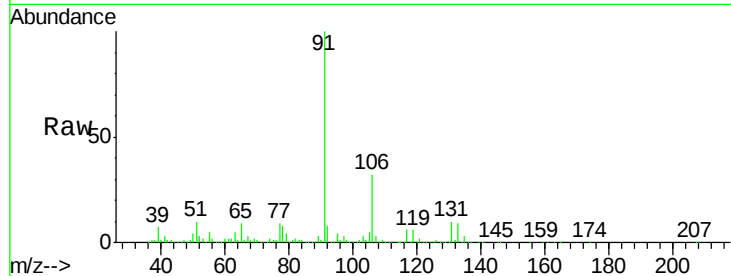
#67
Ethyl Benzene
Concen: 109.536 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 3230519
Ion Ratio Lower Upper
91 100
106 31.7 24.3 36.5

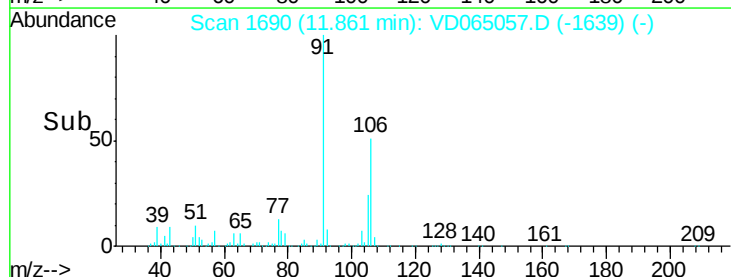
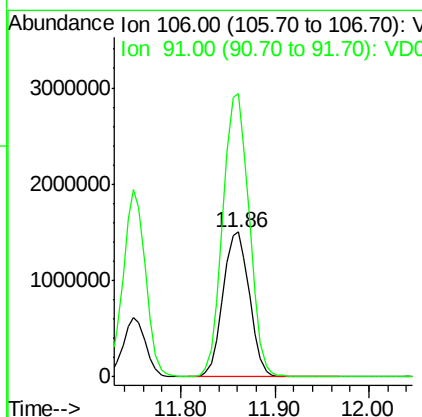
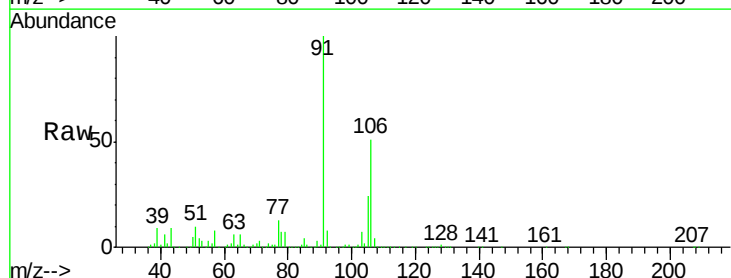
Manual Integrations
APPROVED

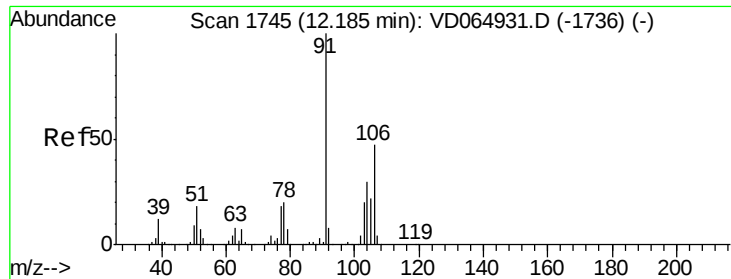
MMDadoda
2/4/2020 11:21:17 AM



#68
m/p-Xylenes
Concen: 258.719 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion: 106 Resp: 2937848
Ion Ratio Lower Upper
106 100
91 195.6 159.0 238.4





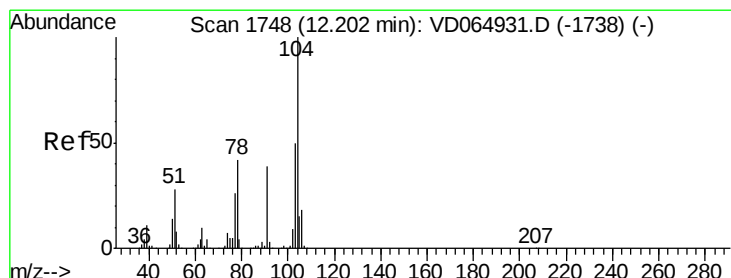
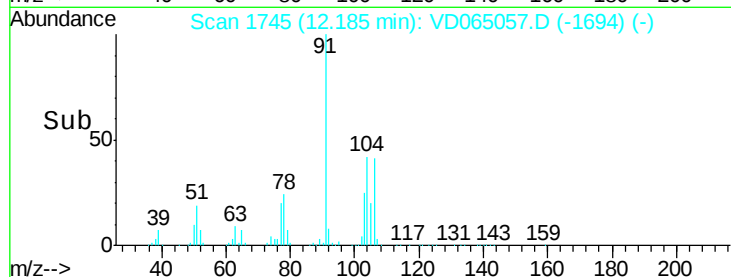
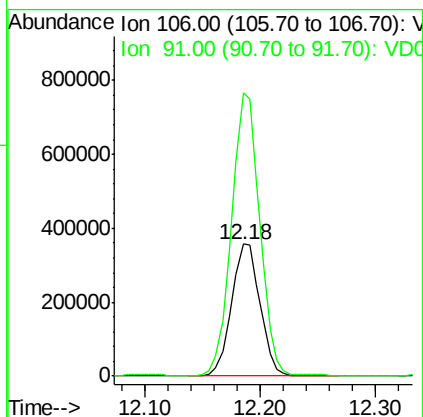
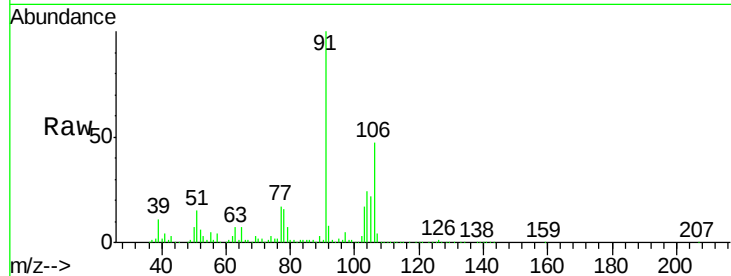
#69
o-Xylene
Concen: 60.449 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	106.7	319.9

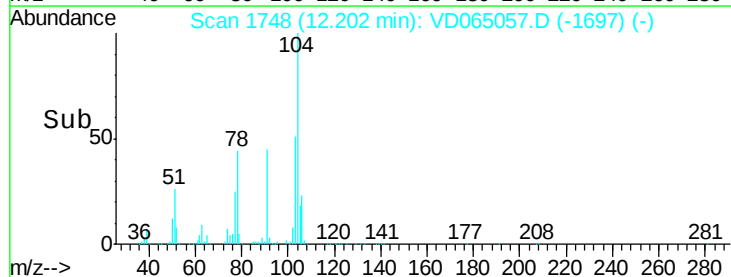
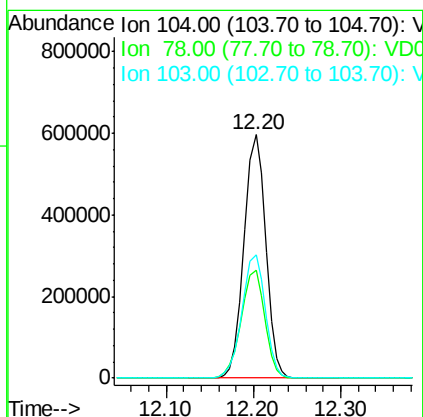
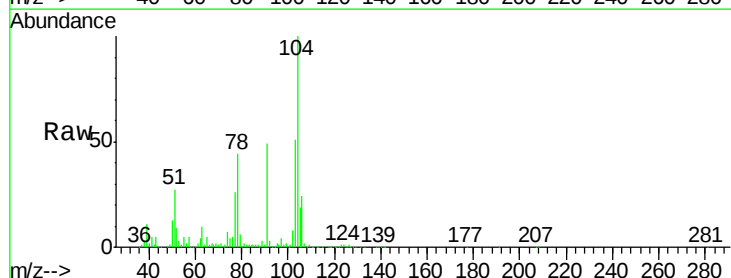
Manual Integrations
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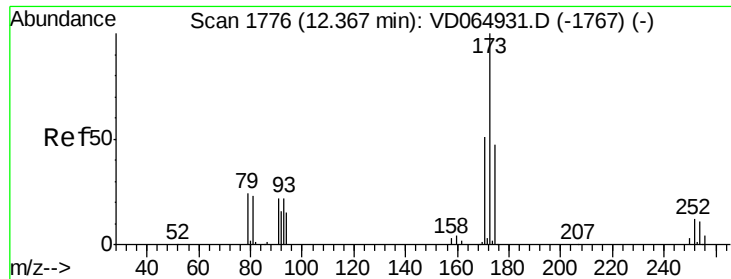
MMDadoda
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#70
Styrene
Concen: 55.354 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.3	57.5
103	54.7	43.5	65.3





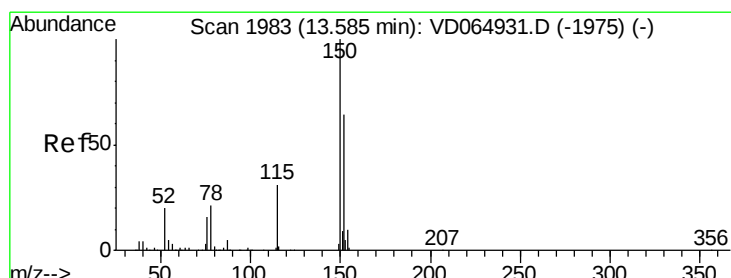
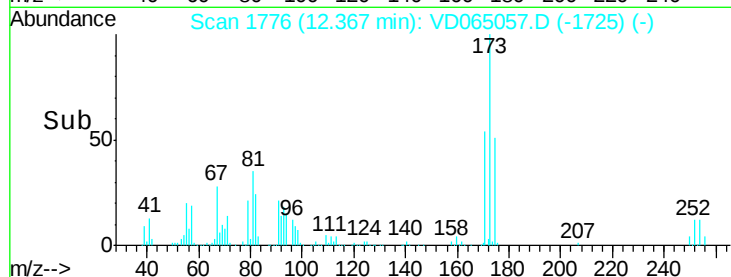
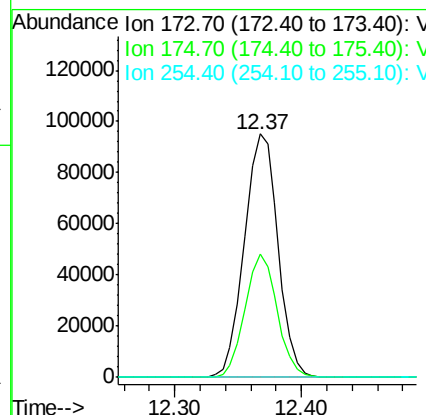
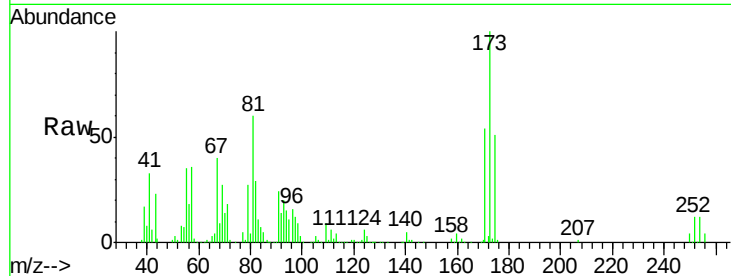
#71
Bromoform
Concen: 50.414 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.8
254	0.1	0.1	0.1

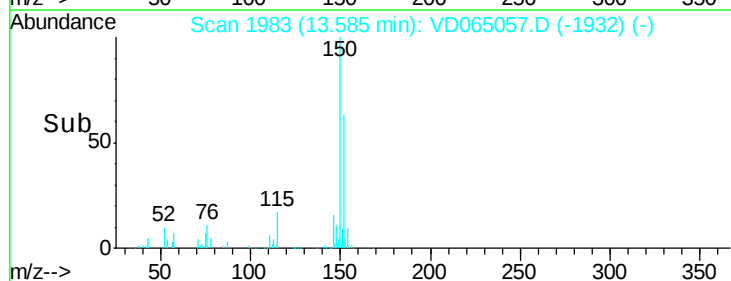
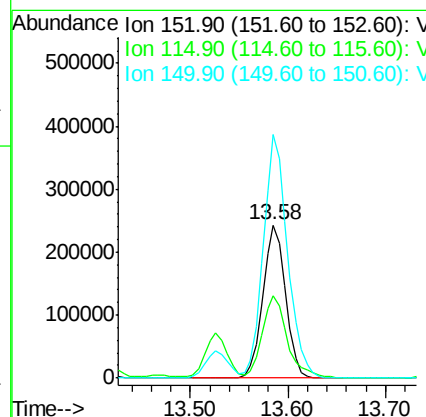
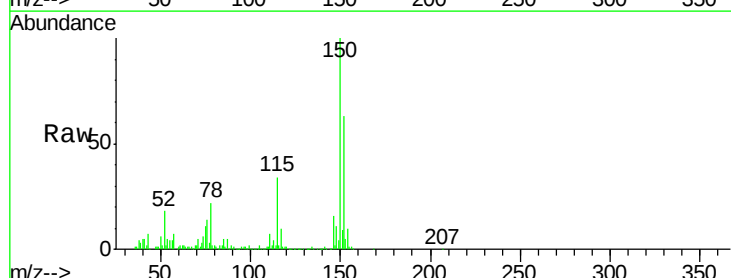
Manual Integrations
APPROVED

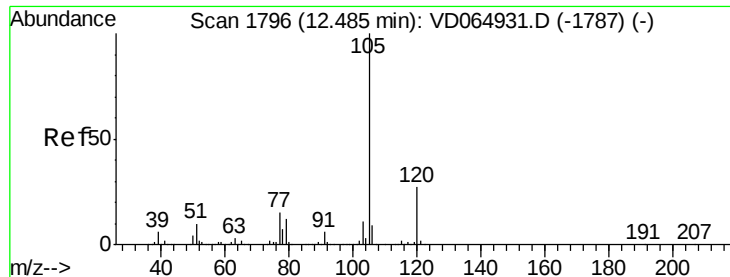
MMDadoda
2/4/2020 11:21:17 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.1	84.4
150	170.8	0.0	350.4





#73

Isopropylbenzene

Concen: 67.388 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1816042

Ion Ratio Lower Upper

105 100

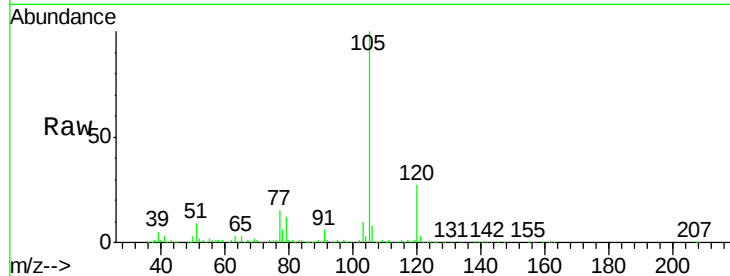
120 27.1 13.3 39.8

Manual Integrations

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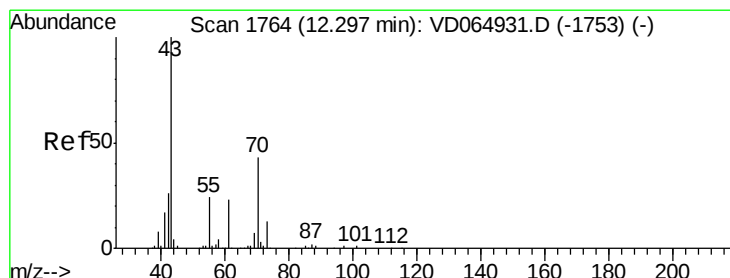
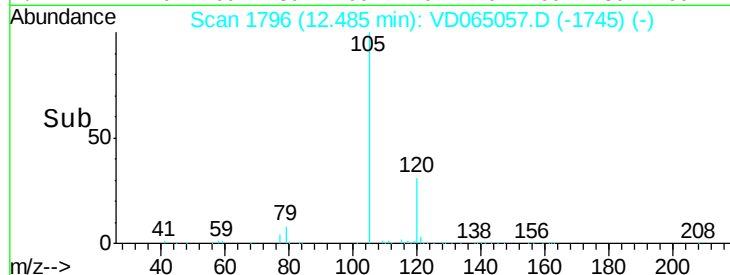
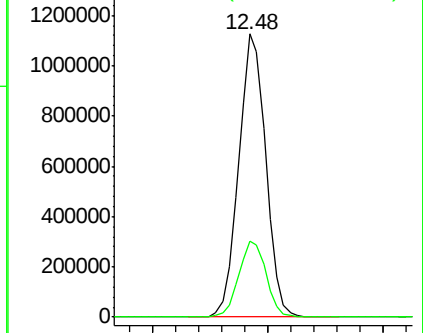
MMDadoda

2/4/2020 11:21:17 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 69.859 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion: 43 Resp: 421273

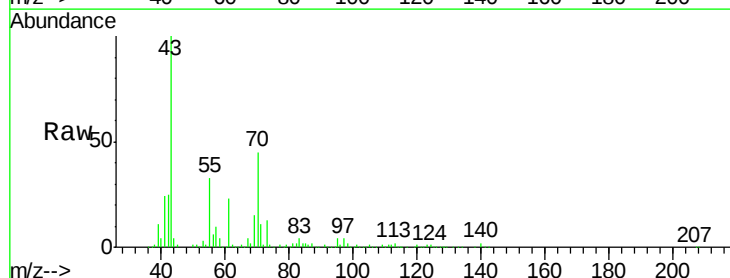
Ion Ratio Lower Upper

43 100

70 32.6 32.6 49.0#

55 27.7 19.9 29.9

61 18.2 18.3 27.5#

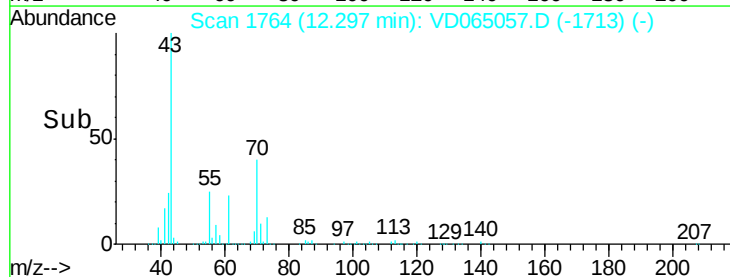
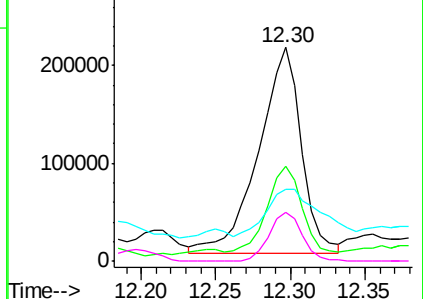


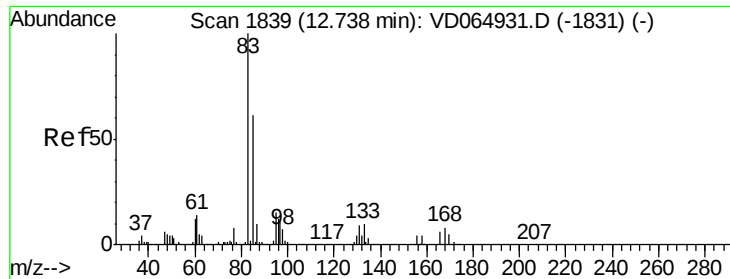
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.062 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

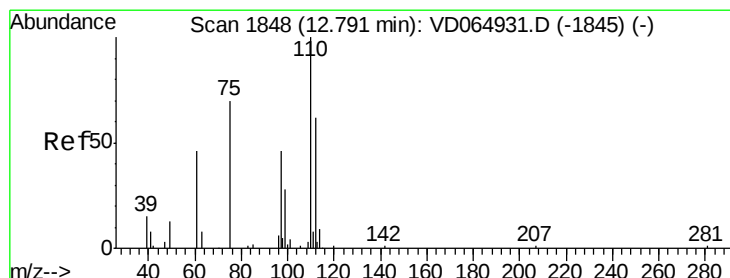
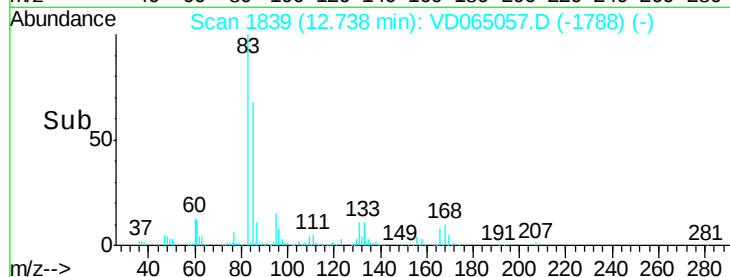
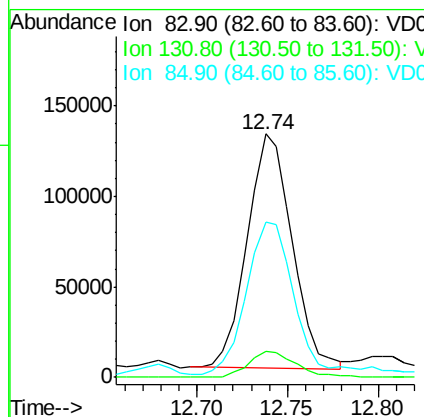
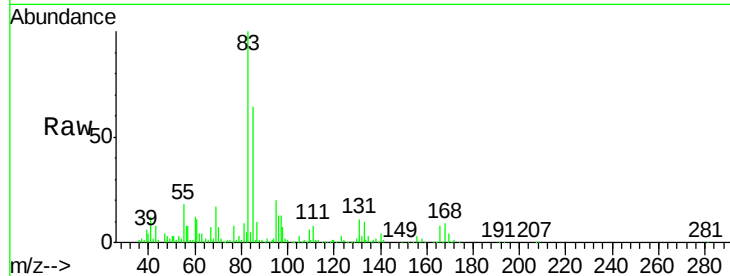
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	222222
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.5	16.4
85	69.8	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.095 ug/l m

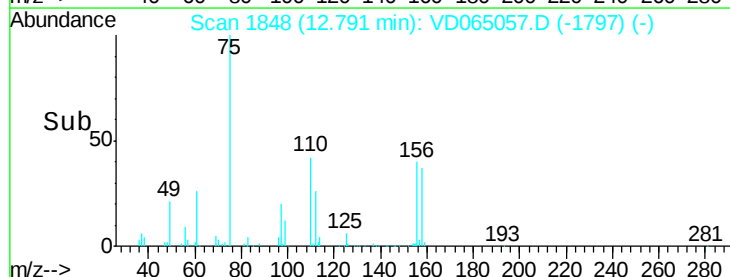
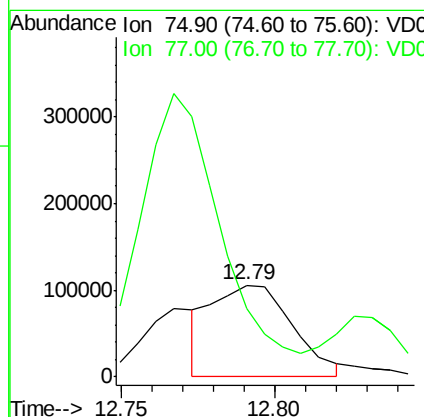
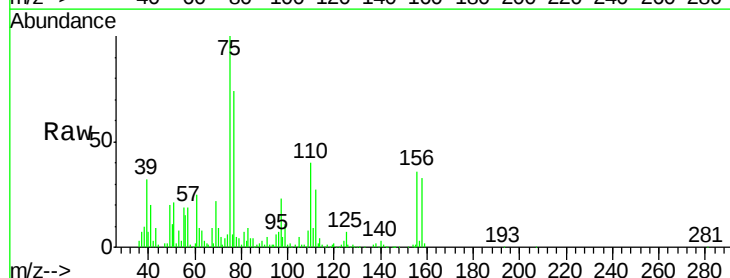
RT: 12.79 min Scan# 1848

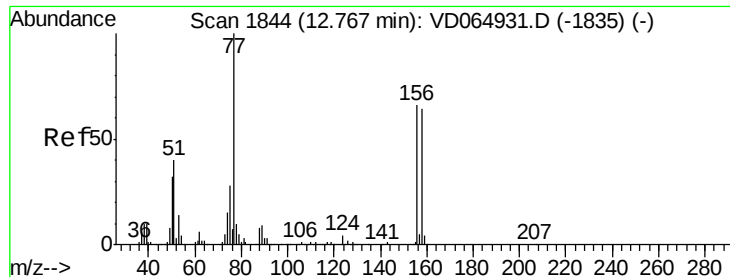
Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion:	75	Resp:	193396
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 57.579 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 379662

Ion Ratio Lower Upper

156 100

77 160.6 84.2 252.5

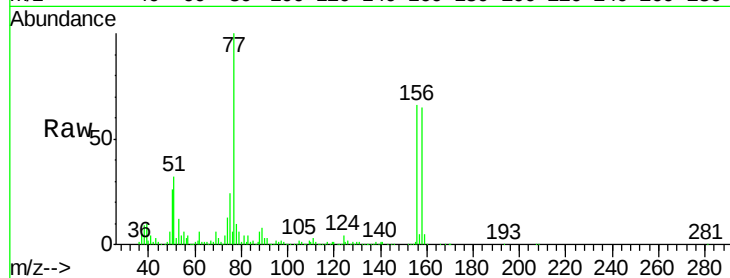
158 96.8 48.1 144.4

Manual Integrations

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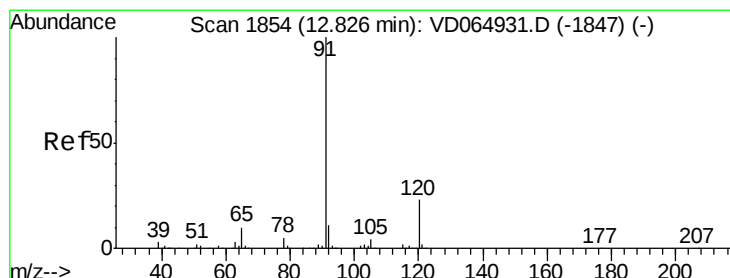
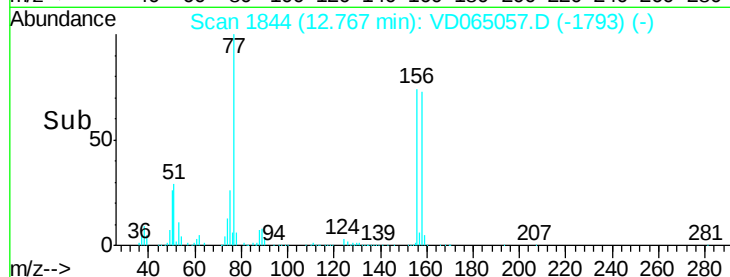
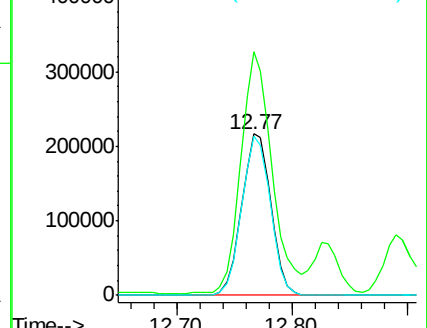
2/4/2020 11:21:17 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 87.375 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065057.D

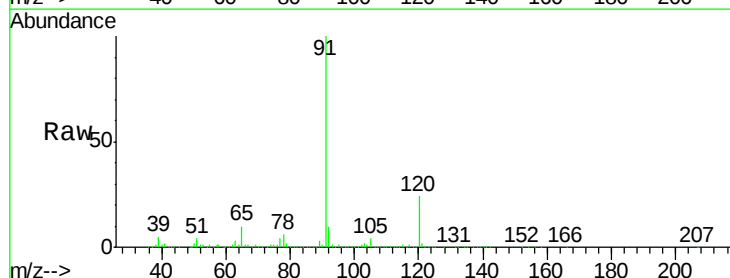
Acq: 03 Feb 2020 17:03

Tgt Ion: 91 Resp: 2800279

Ion Ratio Lower Upper

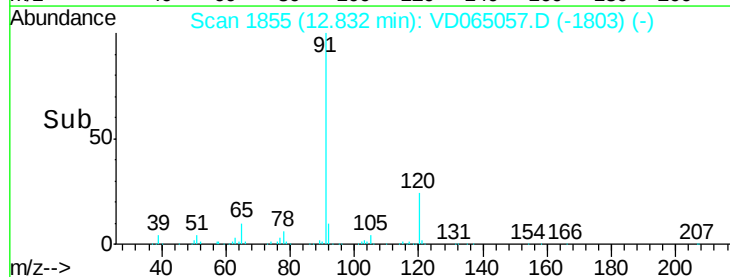
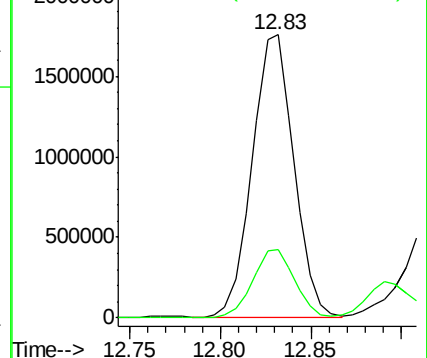
91 100

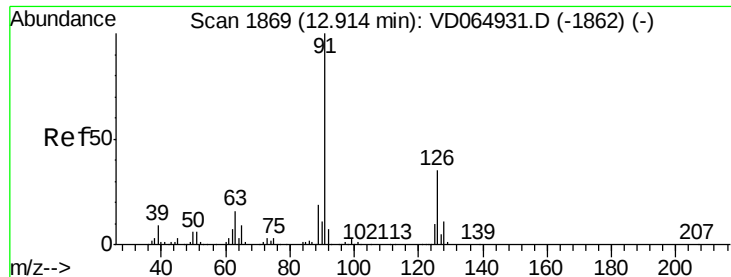
120 24.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





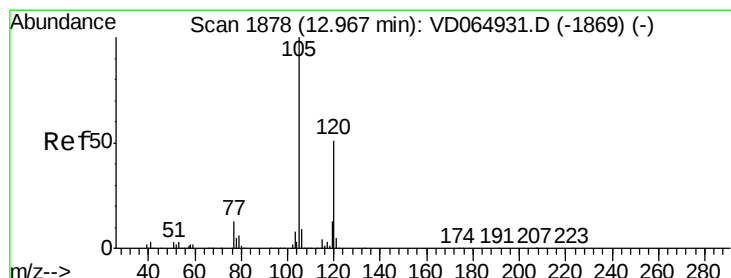
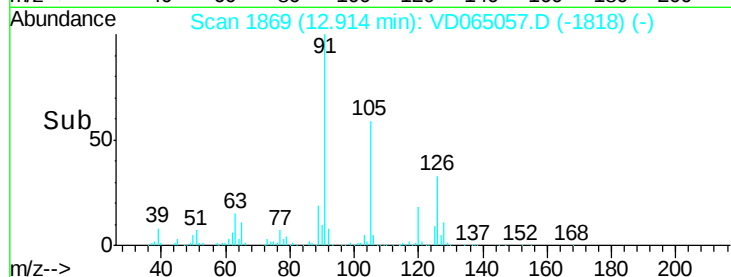
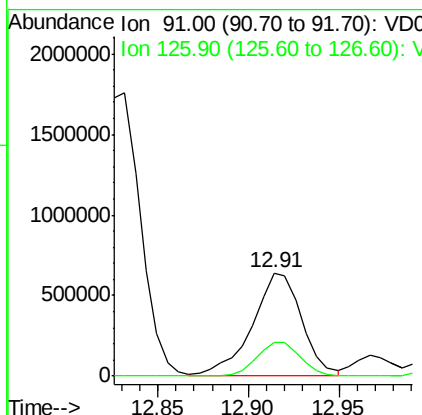
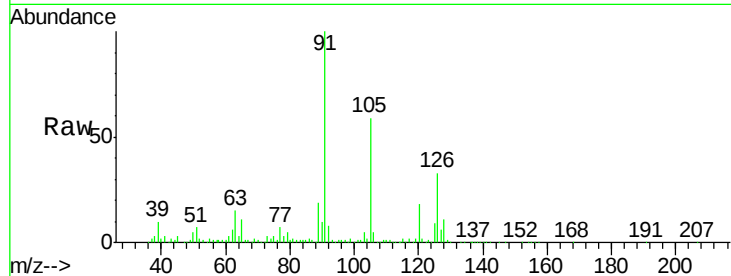
#79
2-Chlorotoluene
Concen: 68.487 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1204116
Ion Ratio Lower Upper
91 100
126 29.8 17.9 53.8

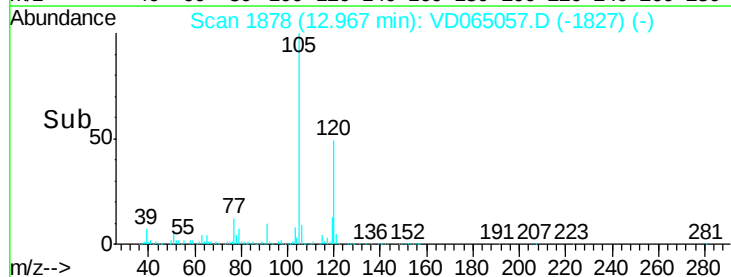
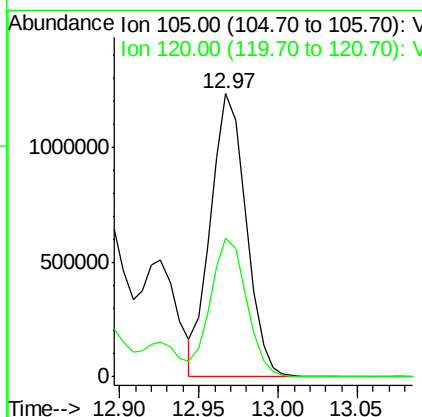
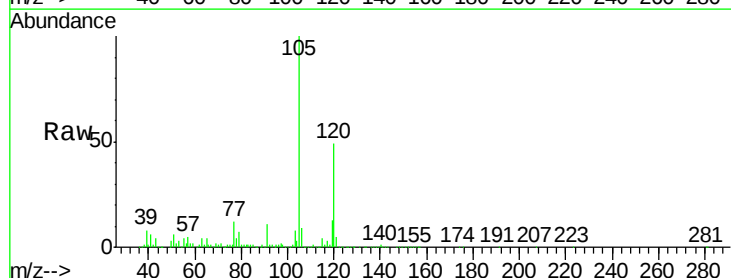
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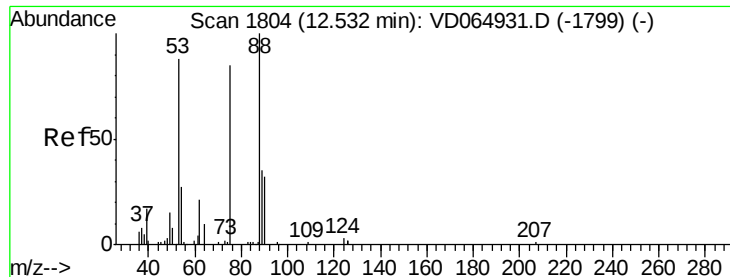
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#80
1,3,5-Trimethylbenzene
Concen: 86.396 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion: 105 Resp: 1908038
Ion Ratio Lower Upper
105 100
120 50.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.973 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

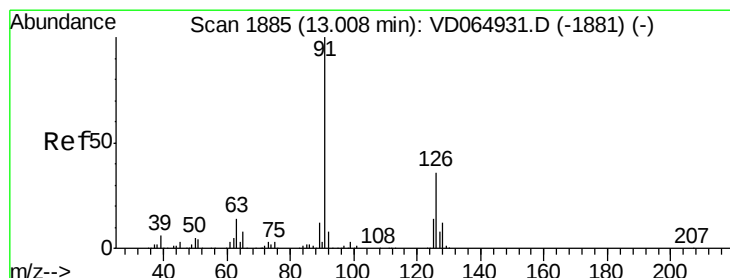
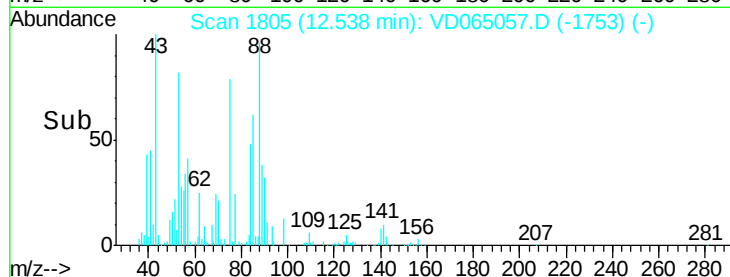
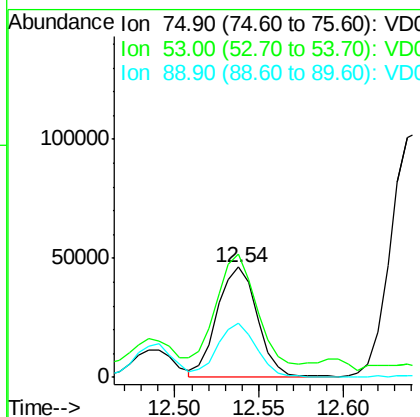
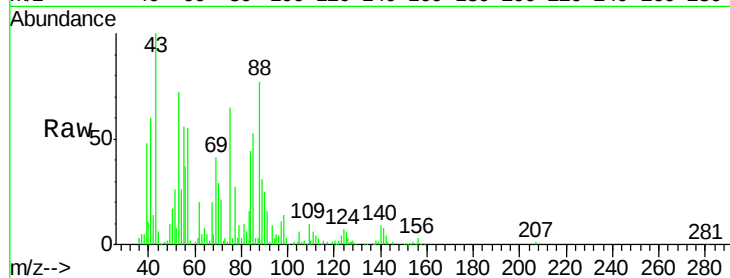
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	76593
Ion	Ratio	Lower	Upper
75	100		
53	102.6	81.0	121.4
89	47.2	36.2	54.4

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#82

4-Chlorotoluene

Concen: 55.298 ug/l

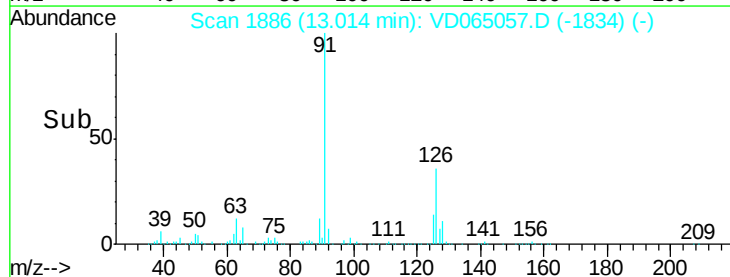
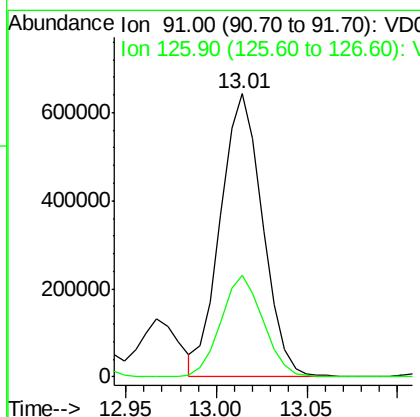
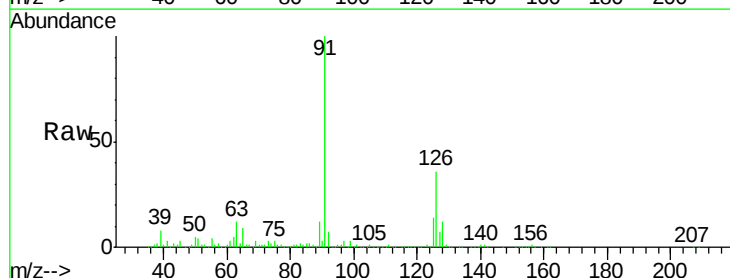
RT: 13.01 min Scan# 1886

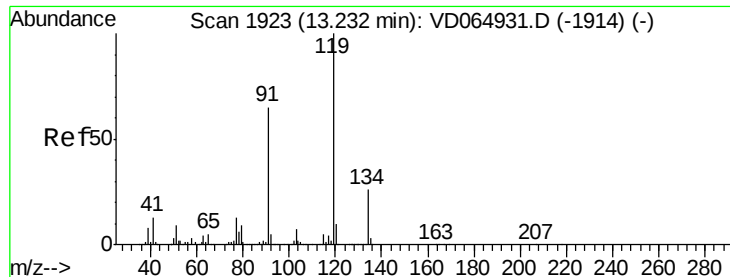
Delta R.T. 0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion:	91	Resp:	1031056
Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.0	54.0





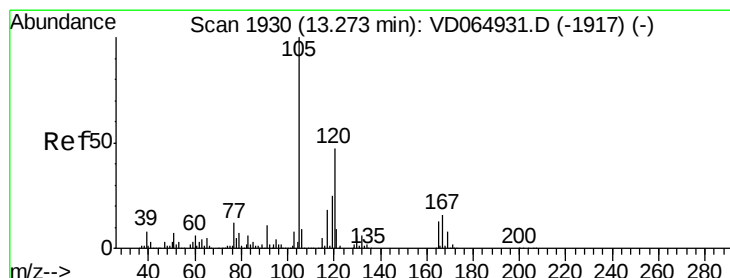
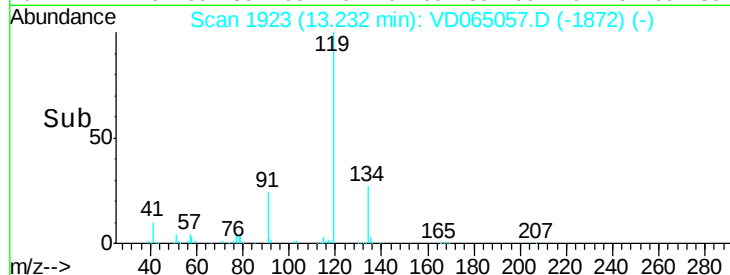
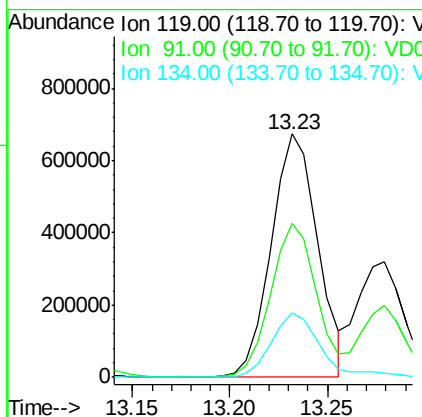
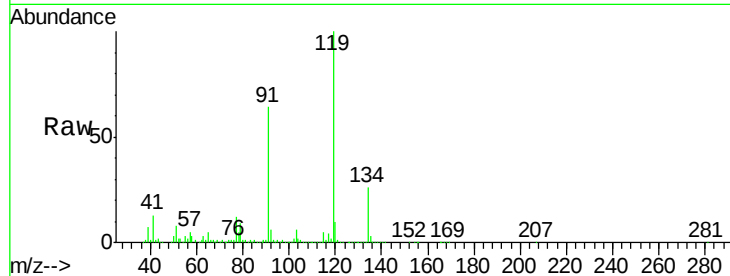
#83
tert-Butylbenzene
Concen: 59.125 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1108098
Ion Ratio Lower Upper
119 100
91 61.6 32.0 96.0
134 28.0 13.9 41.6

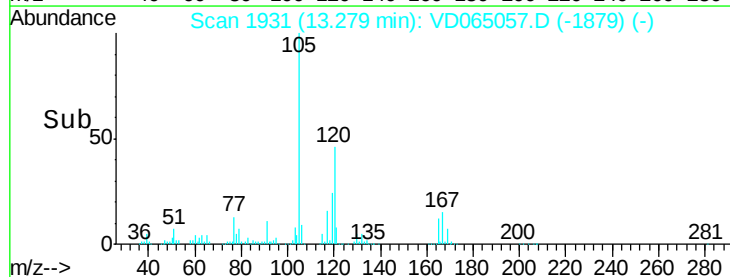
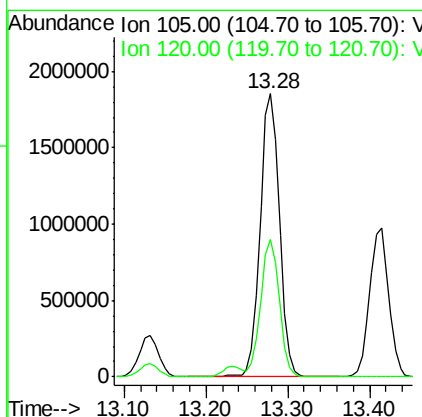
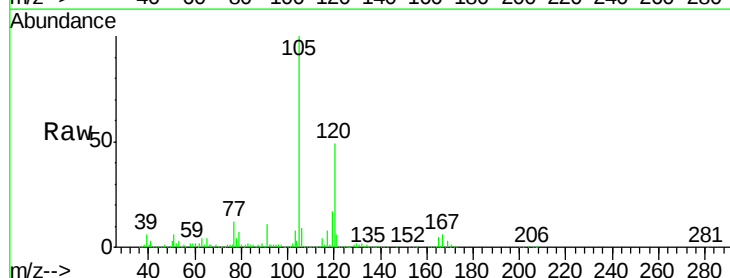
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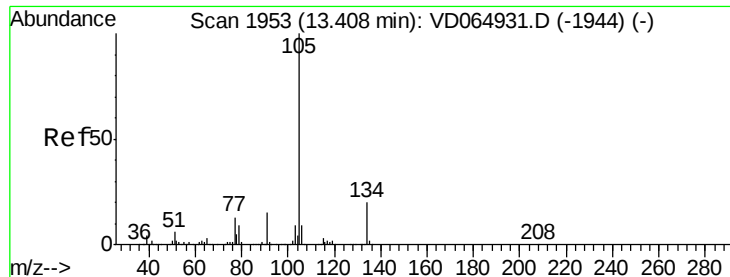
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#84
1,2,4-Trimethylbenzene
Concen: 135.050 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion:105 Resp: 3021374
Ion Ratio Lower Upper
105 100
120 47.1 23.1 69.3





#85

sec-Butylbenzene

Concen: 59.435 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1577198

Ion Ratio Lower Upper

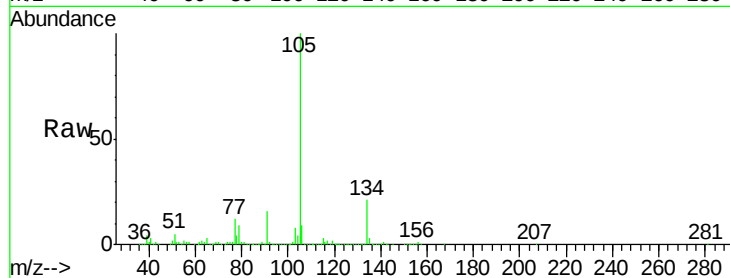
105 100

134 22.4 10.4 31.4

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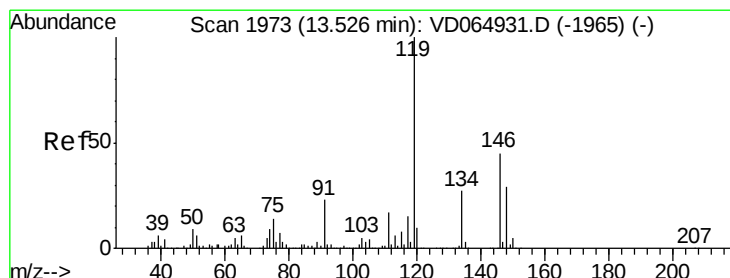
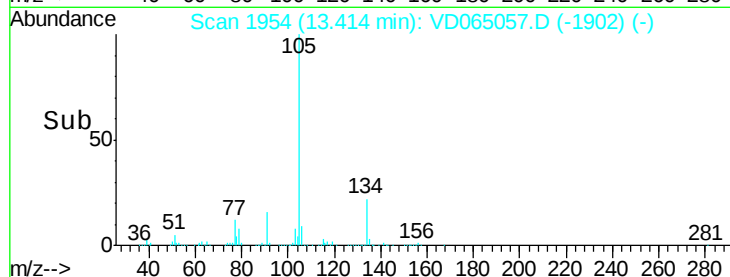
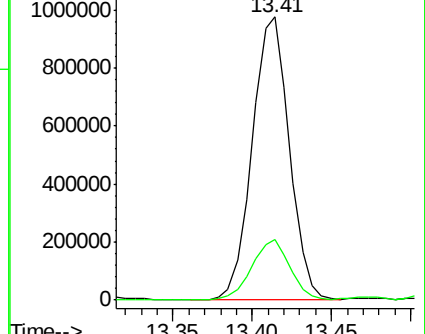
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.379 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

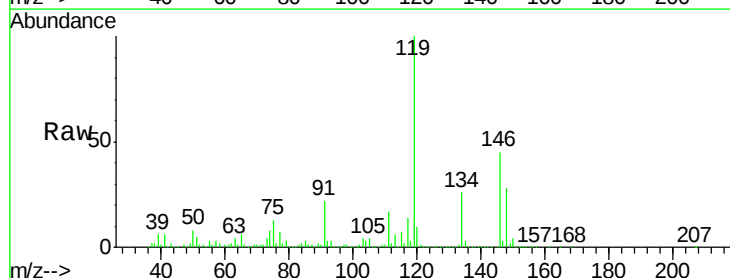
Tgt Ion:119 Resp: 1449649

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

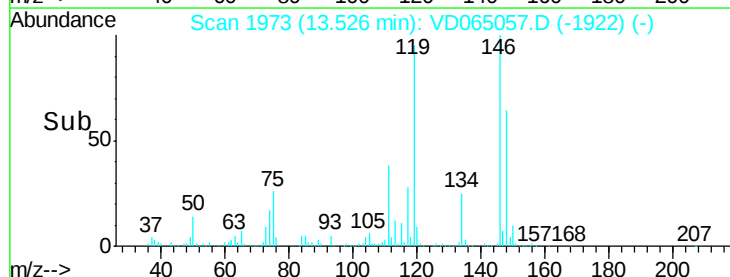
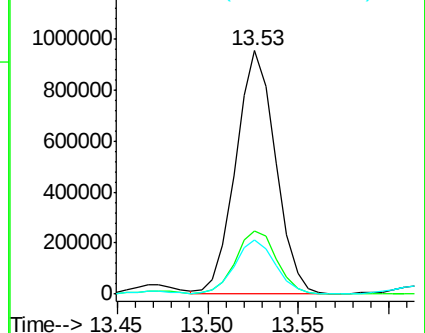
91 22.1 11.4 34.2

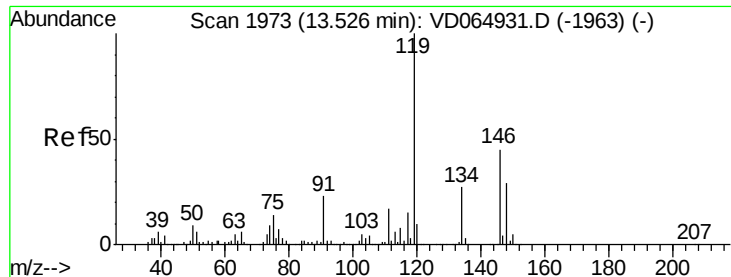


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.939 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Instrument :

MSVOA_D

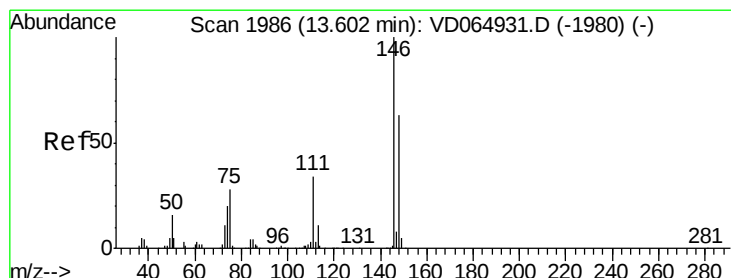
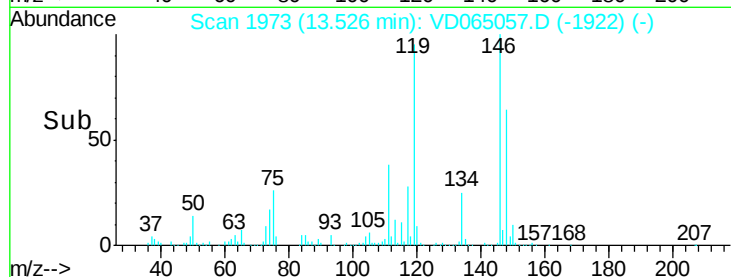
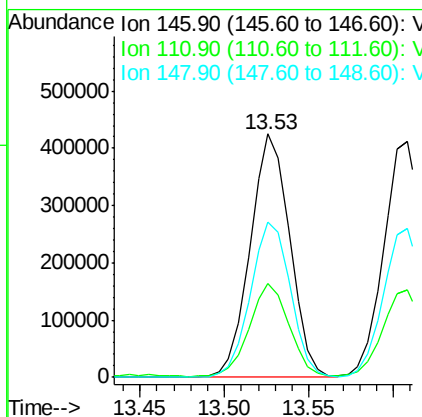
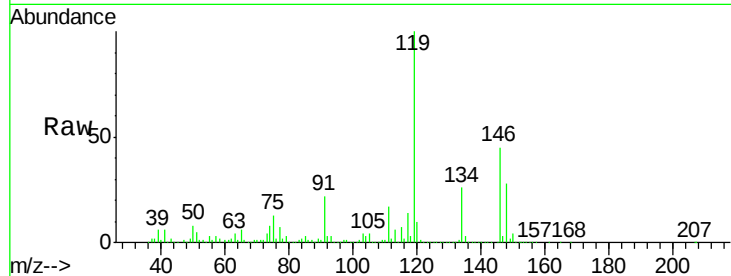
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	695062
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.9
148	64.3	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 54.302 ug/l

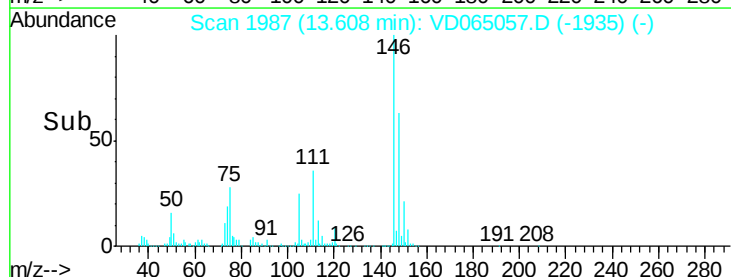
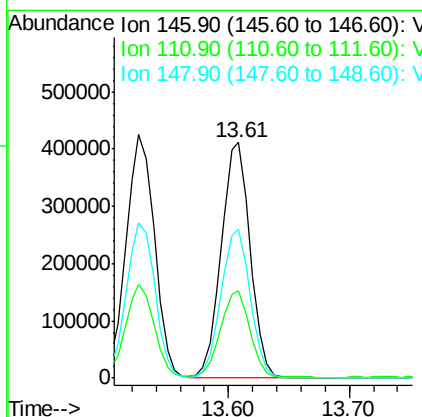
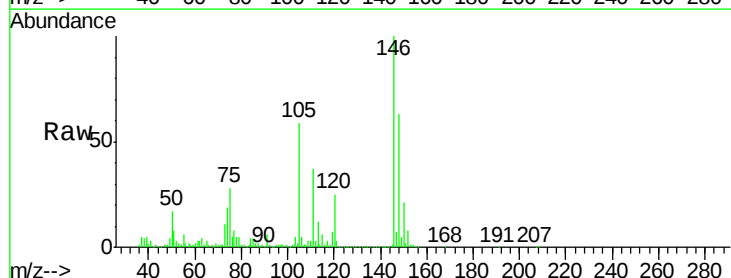
RT: 13.61 min Scan# 1987

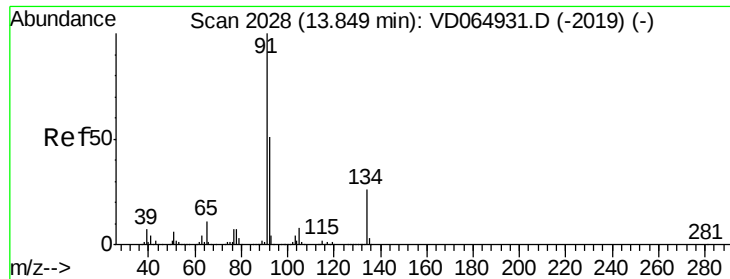
Delta R.T. 0.01 min

Lab File: VD065057.D

Acq: 03 Feb 2020 17:03

Tgt Ion:	146	Resp:	681855
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.2	54.6
148	64.0	32.0	96.0





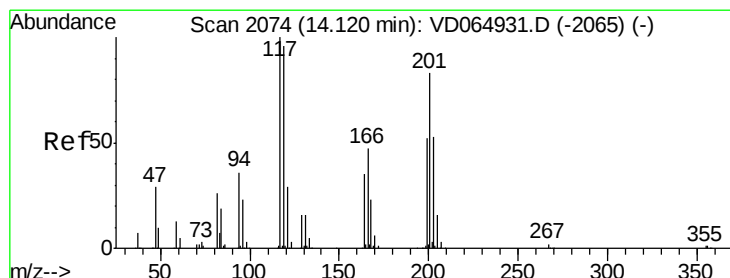
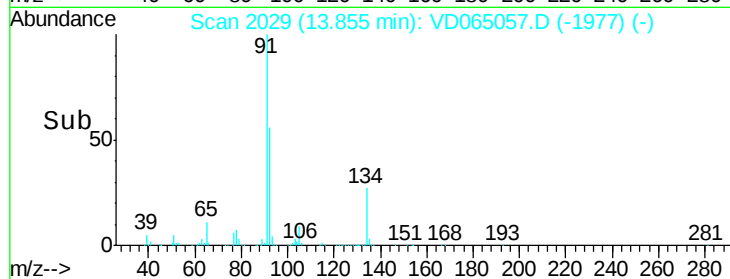
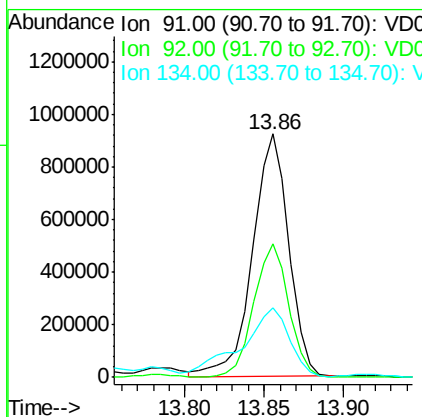
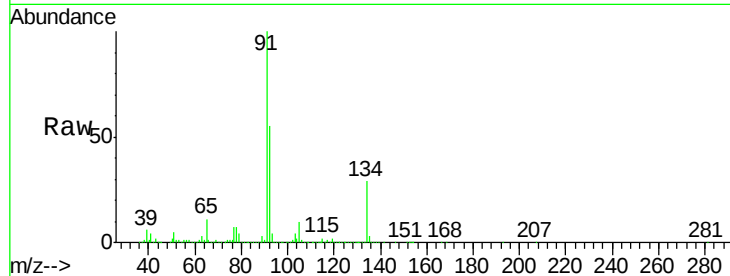
#89
n-Butylbenzene
Concen: 64.530 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1462353
Ion Ratio Lower Upper
91 100
92 52.9 26.4 79.0
134 37.4 13.3 39.9

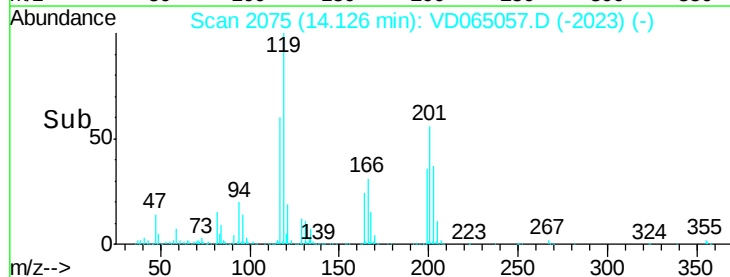
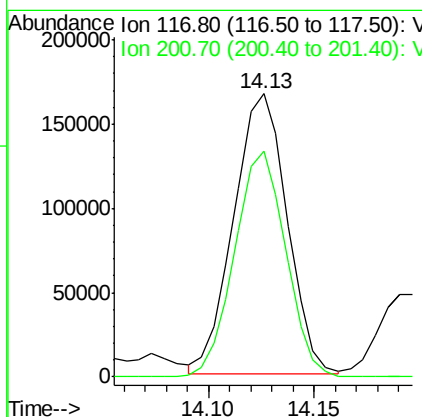
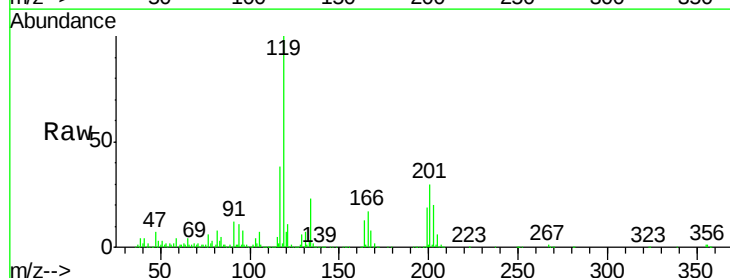
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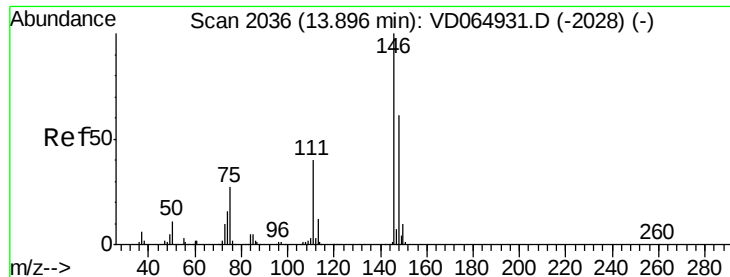
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#90
Hexachloroethane
Concen: 60.993 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion: 117 Resp: 292073
Ion Ratio Lower Upper
117 100
201 77.2 41.1 123.3





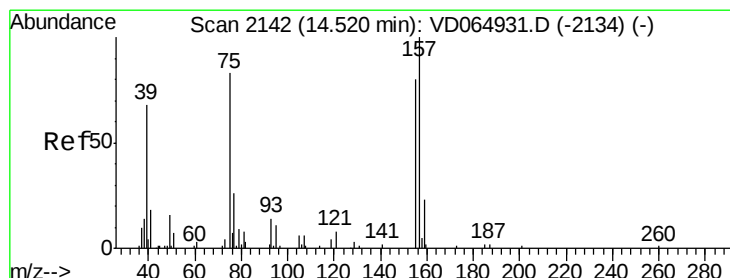
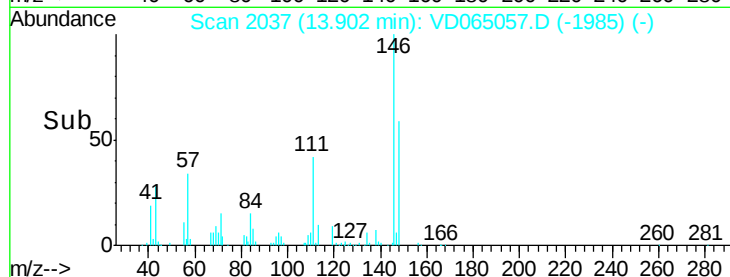
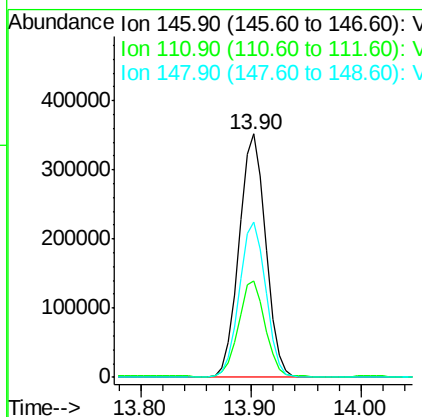
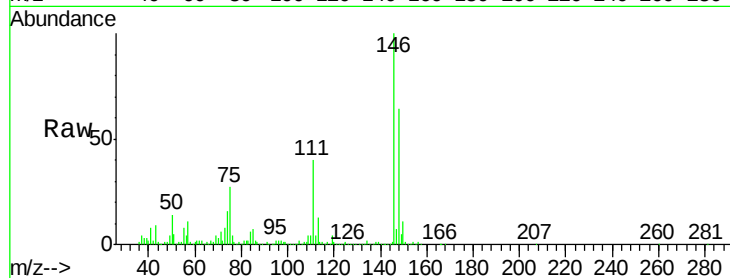
#91
 1,2-Dichlorobenzene
 Concen: 55.651 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	63.5	31.6	95.0

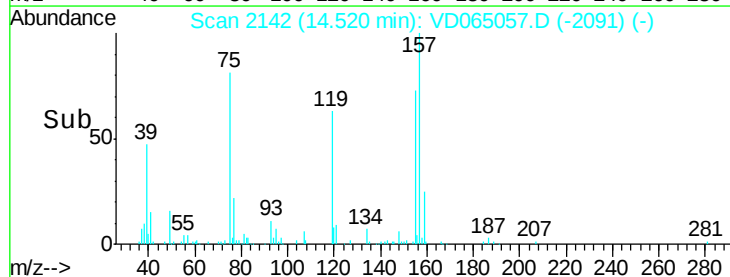
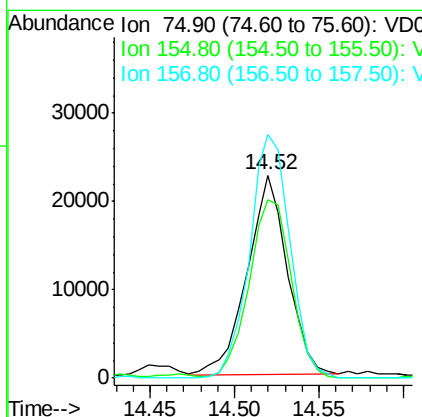
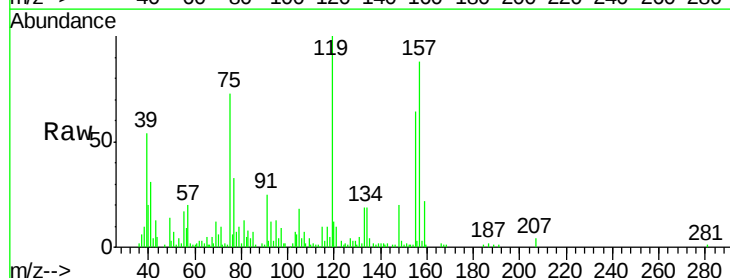
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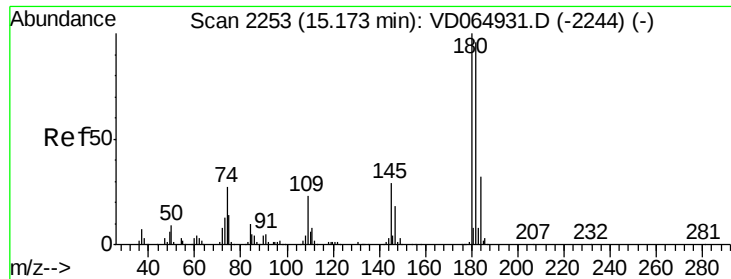
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.255 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	44.9	134.7
157	123.4	58.9	176.6





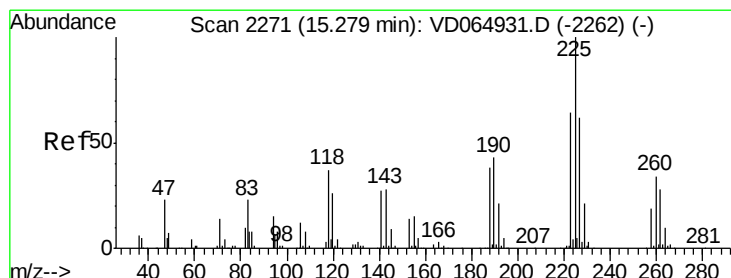
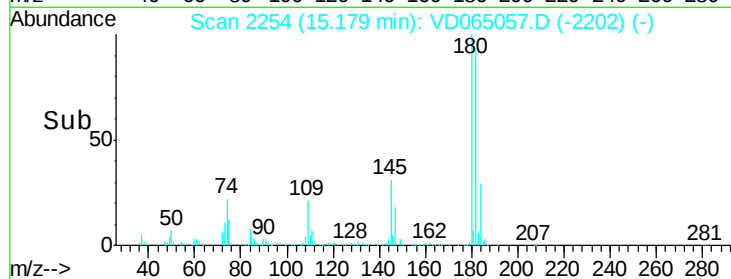
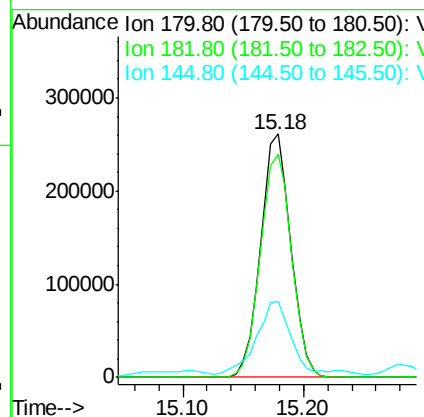
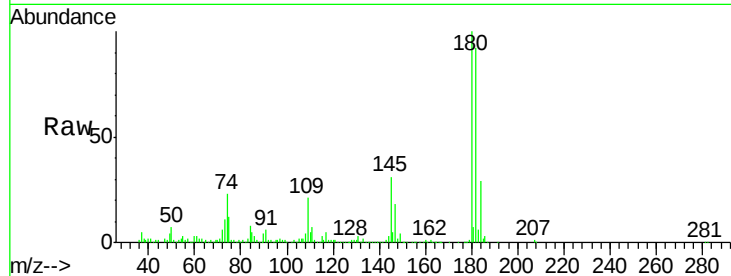
#93
 1,2,4-Trichlorobenzene
 Concen: 61.027 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.1	141.4	
145	33.2	14.1	42.3	

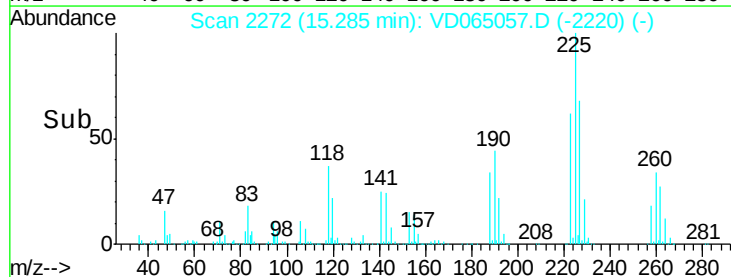
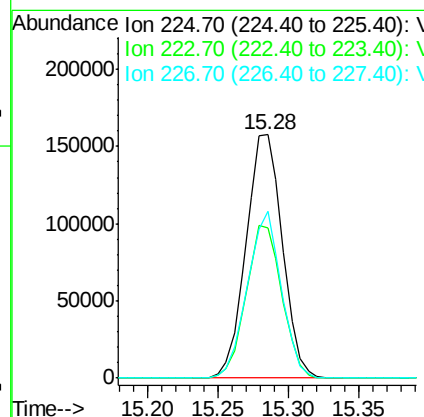
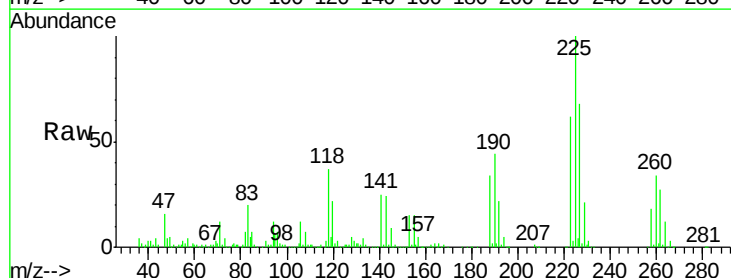
Manual Integrations
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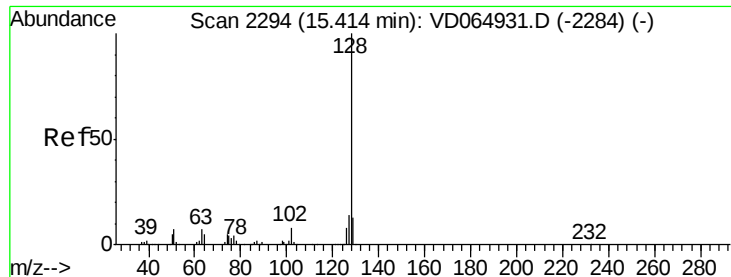
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#94
 Hexachlorobutadiene
 Concen: 60.624 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065057.D
 Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	32.4	97.2	
227	63.9	31.9	95.9	





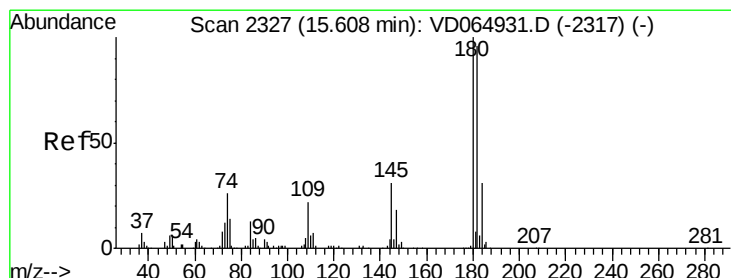
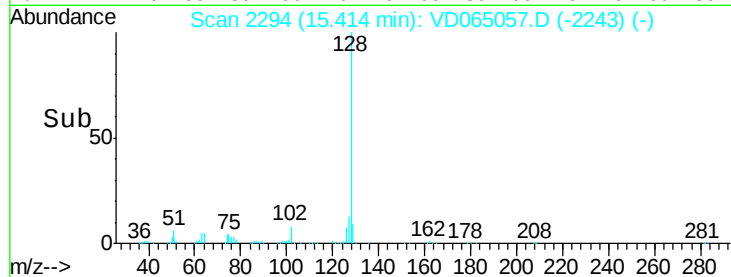
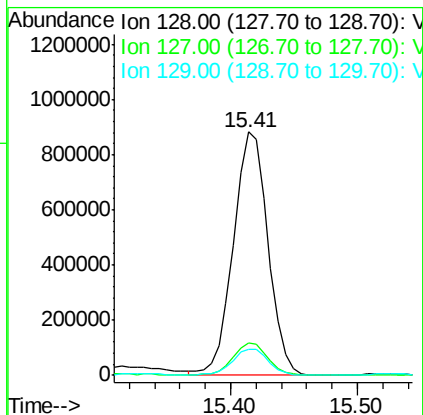
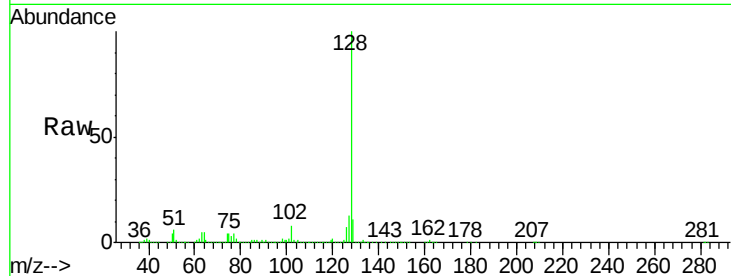
#95
Naphthalene
Concen: 138.276 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.9	9.3	13.9

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 59.242 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065057.D
Acq: 03 Feb 2020 17:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	42.1	14.6	43.8

