

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065080.D
 Acq On : 06 Feb 2020 12:05
 Operator : VA/SY
 Sample : VD0206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 12:05:33 PM

Quant Time: Feb 07 06:20:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	472345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215872	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	7.92	113	210944	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	10.34	98	841331	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.64	95	254319	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80261	20.419	ug/l	95
3) Chloromethane	2.21	50	101253	21.883	ug/l	96
4) Vinyl Chloride	2.35	62	105956	21.653	ug/l	99
5) Bromomethane	2.76	94	70265	22.145	ug/l	96
6) Chloroethane	2.92	64	67028	22.082	ug/l	98
7) Trichlorofluoromethane	3.27	101	159597	22.411	ug/l	99
8) Diethyl Ether	3.70	74	40143	19.636	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88669	20.367	ug/l	99
10) Methyl Iodide	4.29	142	85955	17.298	ug/l	97
11) Tert butyl alcohol	5.24	59	22131	90.226	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	81802	19.619	ug/l	98
13) Acrolein	3.92	56	27841	92.283	ug/l	96
14) Allyl chloride	4.71	41	134725	19.442	ug/l	96
15) Acrylonitrile	5.43	53	80897	90.510	ug/l	98
16) Acetone	4.16	43	83809	83.500	ug/l	94
17) Carbon Disulfide	4.40	76	275370	20.570	ug/l	98
18) Methyl Acetate	4.73	43	40042	19.095	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	166610	18.070	ug/l	93
20) Methylene Chloride	4.96	84	100513	20.411	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	93318	19.782	ug/l	96
22) Diisopropyl ether	6.37	45	265320	20.299	ug/l	95
23) Vinyl Acetate	6.31	43	681775	93.580	ug/l	97
24) 1,1-Dichloroethane	6.26	63	163375	20.650	ug/l	99
25) 2-Butanone	7.22	43	102835	85.891	ug/l	96
26) 2,2-Dichloropropane	7.21	77	148045	20.877	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99498	19.854	ug/l	99
28) Bromochloromethane	7.56	49	57930	19.316	ug/l	97
29) Tetrahydrofuran	7.57	42	64810	89.513	ug/l	99
30) Chloroform	7.71	83	162466	20.624	ug/l	91
31) Cyclohexane	7.98	56	156187	19.557	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	150572	20.519	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132751	20.287	ug/l	99
37) Ethyl Acetate	7.31	43	49217	18.411	ug/l	98
38) Carbon Tetrachloride	8.10	117	139884	20.931	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154911	19.179	ug/l	98
40) Benzene	8.36	78	367886	20.359	ug/l	99
41) Methacrylonitrile	7.53	41	31199	21.184	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	100393	19.498	ug/l	98
43) Isopropyl Acetate	8.46	43	92396	18.068	ug/l	100
44) Trichloroethene	9.11	130	103314	19.919	ug/l	99
45) 1,2-Dichloropropane	9.39	63	89000	20.543	ug/l	99
46) Dibromomethane	9.48	93	45861	20.144	ug/l	97
47) Bromodichloromethane	9.67	83	122823	20.475	ug/l	100
48) Methyl methacrylate	9.46	41	41861	17.011	ug/l	99
49) 1,4-Dioxane	9.47	88	9888	366.699	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	224366	89.136	ug/l	100
52) Toluene	10.41	92	235836	20.449	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	114047	19.527	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	138019	19.759	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	60835	19.481	ug/l	98
56) Ethyl methacrylate	10.67	69	70349	17.805	ug/l	97
57) 1,3-Dichloropropane	10.95	76	108022	19.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	112034	74.410	ug/l	99
59) 2-Hexanone	10.99	43	152161	85.343	ug/l	99
60) Dibromochloromethane	11.14	129	81964	20.265	ug/l	100
61) 1,2-Dibromoethane	11.25	107	58397	19.139	ug/l	99
64) Tetrachloroethene	10.88	164	88540	19.657	ug/l	98
65) Chlorobenzene	11.68	112	244722	20.184	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	89174	19.928	ug/l	99
67) Ethyl Benzene	11.75	91	439382	19.947	ug/l	98
68) m/p-Xylenes	11.86	106	336017	39.967	ug/l	99
69) o-Xylene	12.18	106	143709	18.982	ug/l	95
70) Styrene	12.20	104	259148	19.694	ug/l	99
71) Bromoform	12.37	173	45602	18.933	ug/l #	99
73) Isopropylbenzene	12.48	105	405170	19.622	ug/l	99
74) N-amyl acetate	12.30	43	79212	17.650	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	63189	19.445	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	33388m	14.659	ug/l	
77) Bromobenzene	12.77	156	99672	20.035	ug/l	97
78) n-propylbenzene	12.83	91	488711	20.211	ug/l	99
79) 2-Chlorotoluene	12.91	91	264626	19.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	331008	19.595	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	20538	18.034	ug/l	97
82) 4-Chlorotoluene	13.01	91	282620	19.965	ug/l	99
83) tert-Butylbenzene	13.23	119	278490	19.109	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	335992	20.035	ug/l	99
85) sec-Butylbenzene	13.41	105	394688	19.829	ug/l	100
86) p-Isopropyltoluene	13.53	119	365492	19.763	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	186631	20.037	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	182023	19.634	ug/l	99
89) n-Butylbenzene	13.86	91	333983	19.566	ug/l	100
90) Hexachloroethane	14.12	117	70586	20.156	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	154193	19.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9574	18.047	ug/l	98

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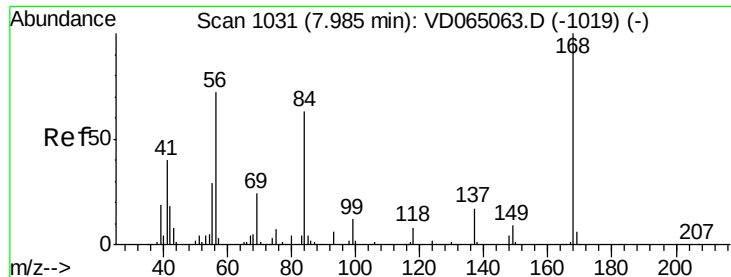
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	104654	18.353	ug/l	98
94) Hexachlorobutadiene	15.28	225	67111	19.141	ug/l	100
95) Naphthalene	15.41	128	154975	16.352	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	88511	18.147	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion:168 Resp: 472345

Ion Ratio Lower Upper

168 100

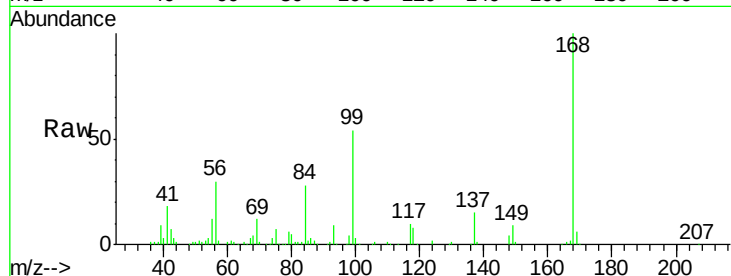
99 53.8 41.0 61.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

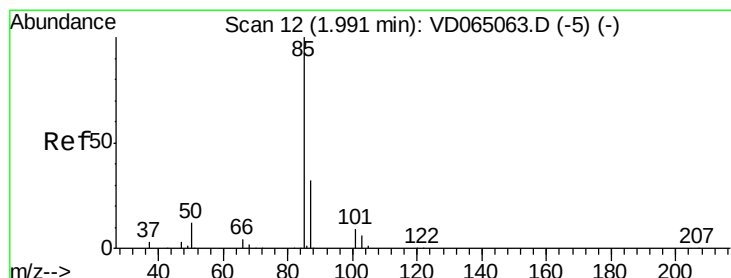
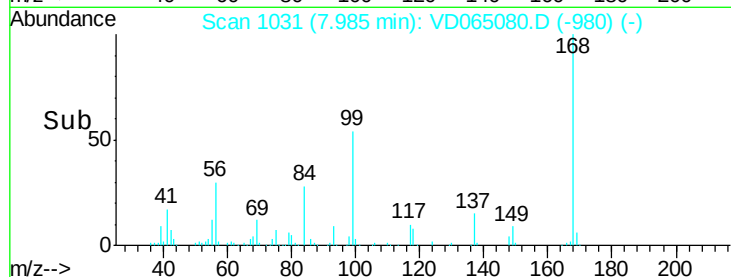
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.419 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065080.D

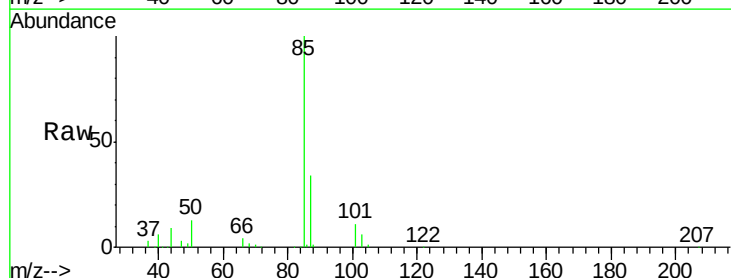
Acq: 06 Feb 2020 12:05

Tgt Ion: 85 Resp: 80261

Ion Ratio Lower Upper

85 100

87 34.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

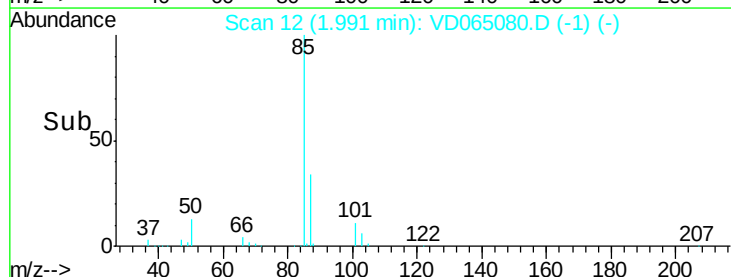
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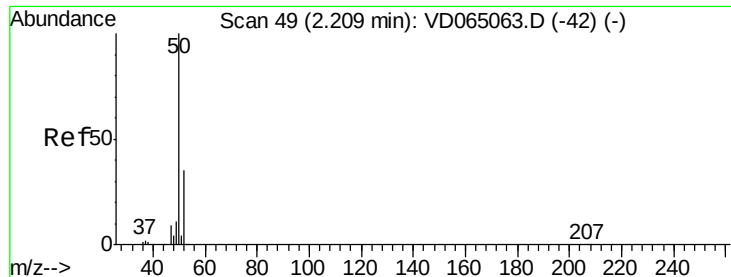
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 21.883 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 50 Resp: 101253

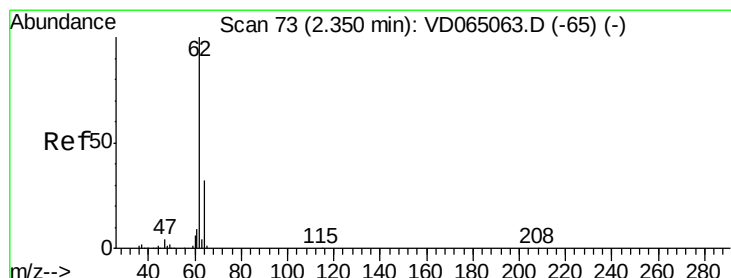
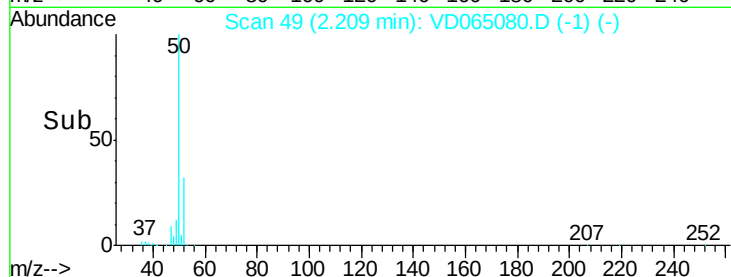
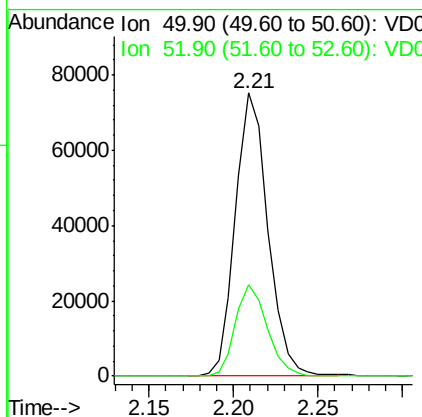
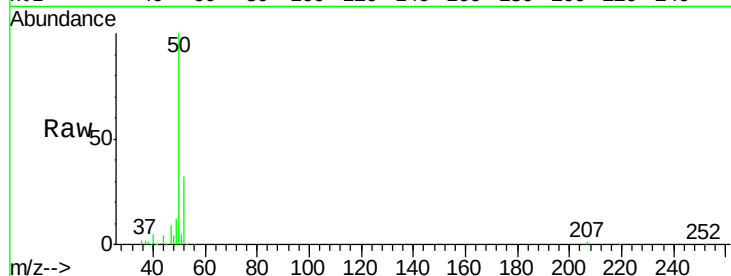
Ion Ratio Lower Upper

50 100

52 32.4 27.8 41.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.653 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065080.D

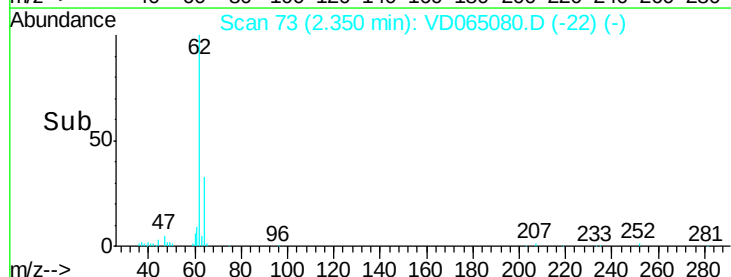
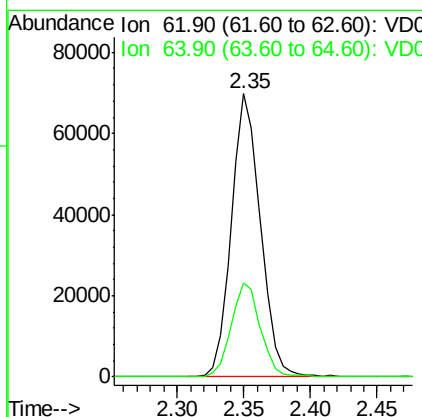
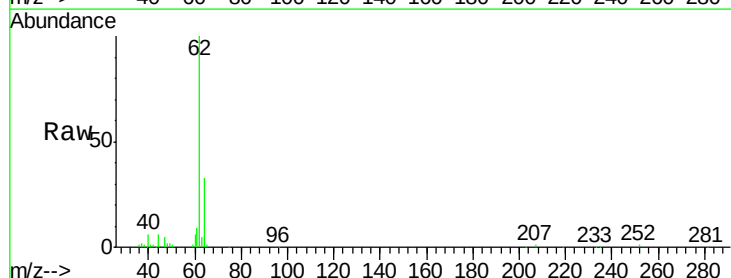
Acq: 06 Feb 2020 12:05

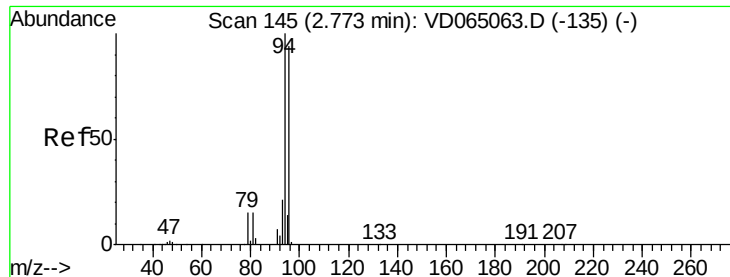
Tgt Ion: 62 Resp: 105956

Ion Ratio Lower Upper

62 100

64 33.2 25.9 38.9





#5

Bromomethane

Concen: 22.145 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 94 Resp: 70265

Ion Ratio Lower Upper

94 100

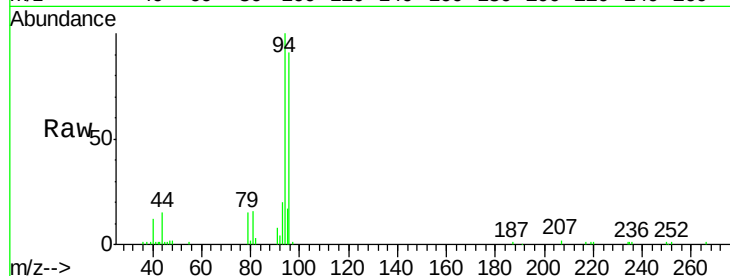
96 90.0 75.4 113.0

Manual Integrations

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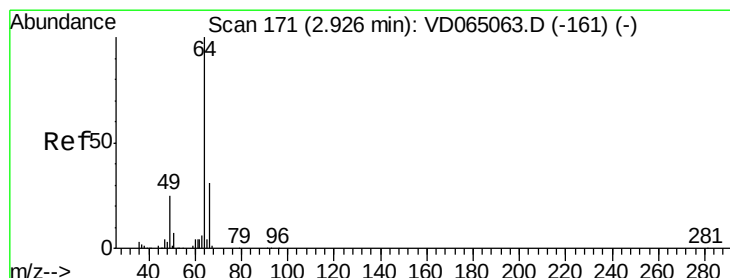
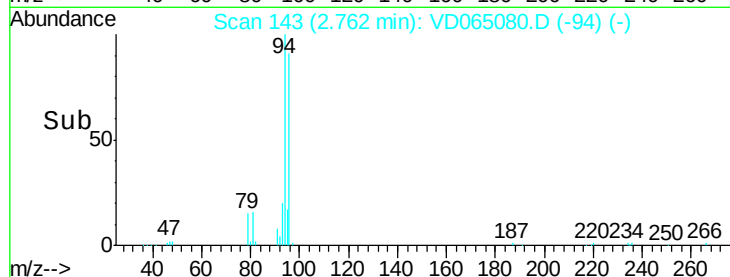
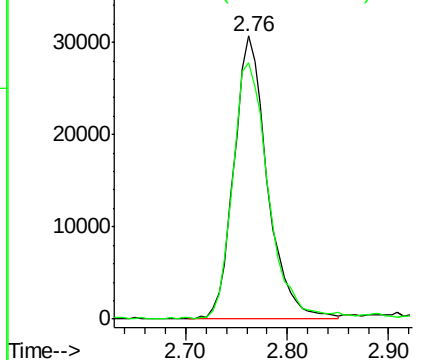
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.082 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065080.D

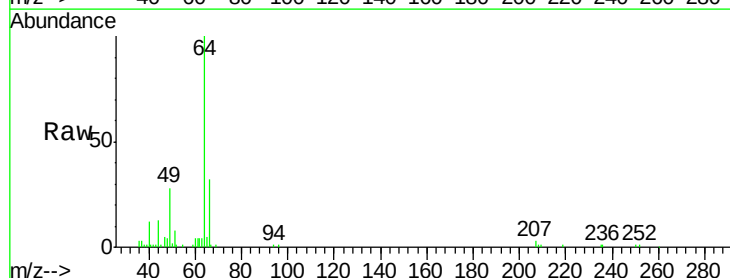
Acq: 06 Feb 2020 12:05

Tgt Ion: 64 Resp: 67028

Ion Ratio Lower Upper

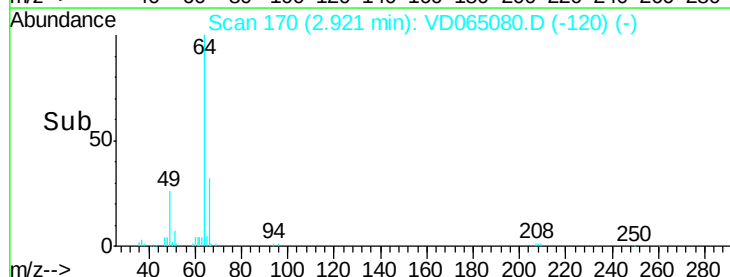
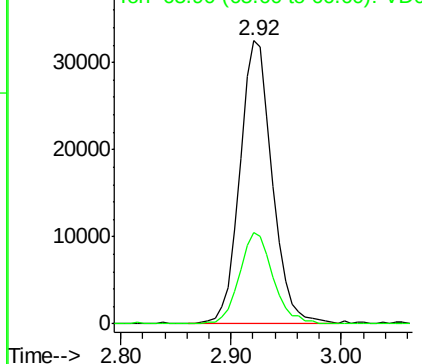
64 100

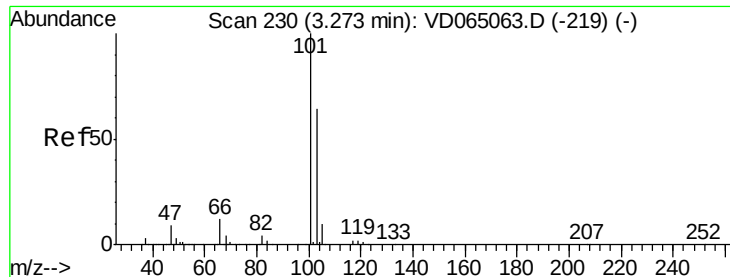
66 32.2 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

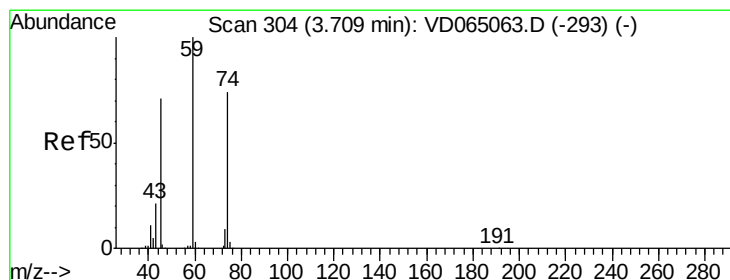
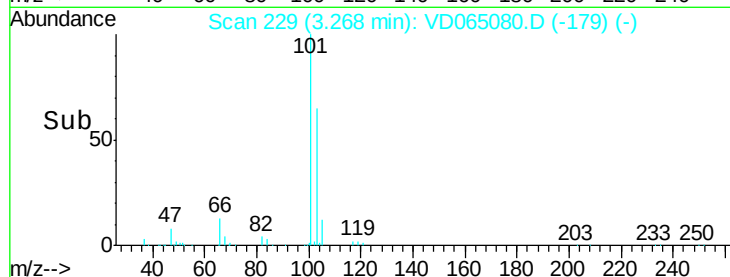
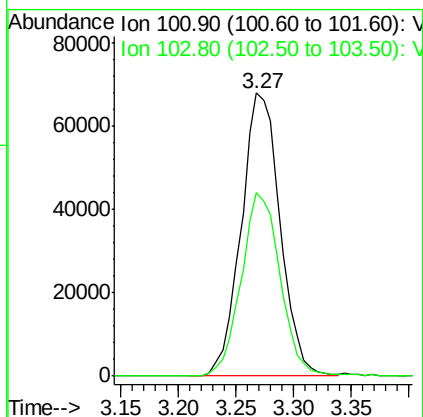
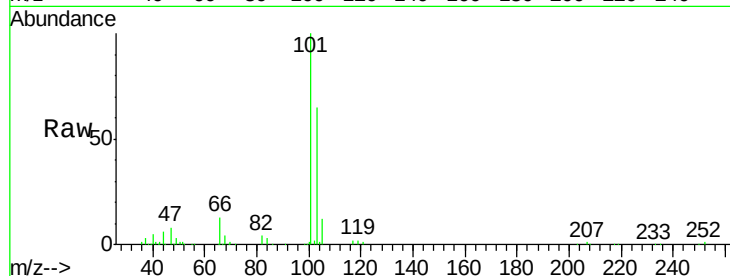
Trichlorofluoromethane
 Concen: 22.411 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	159597		
103	64.7	51.0	76.6	

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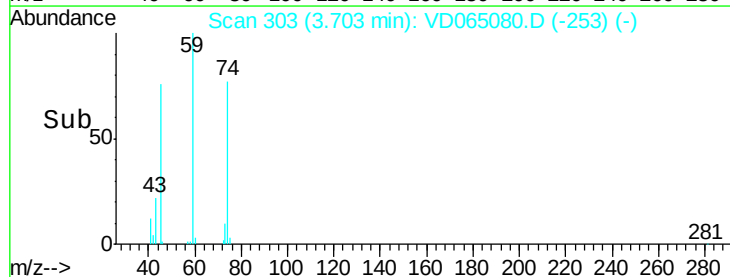
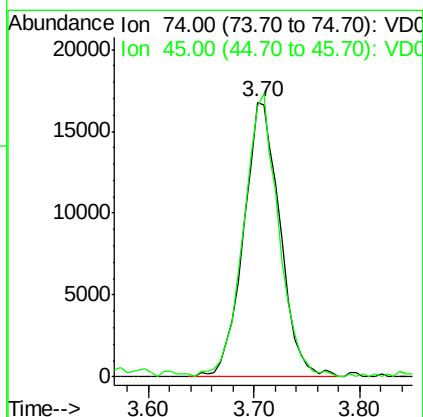
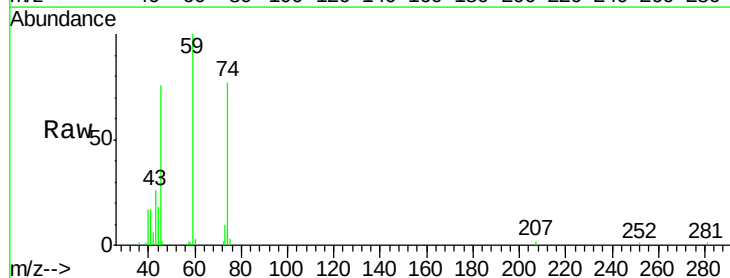
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 2/7/2020 12:05:33 PM

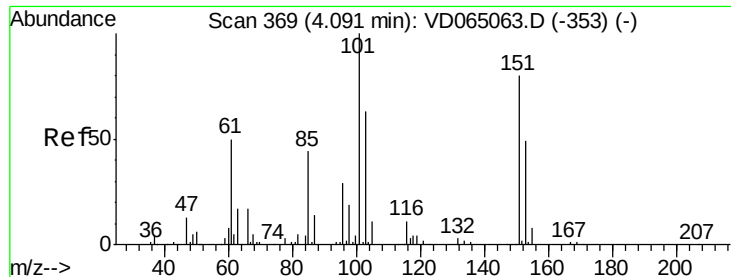


#8

Diethyl Ether
 Concen: 19.636 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40143		
45	99.8	49.0	147.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.367 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

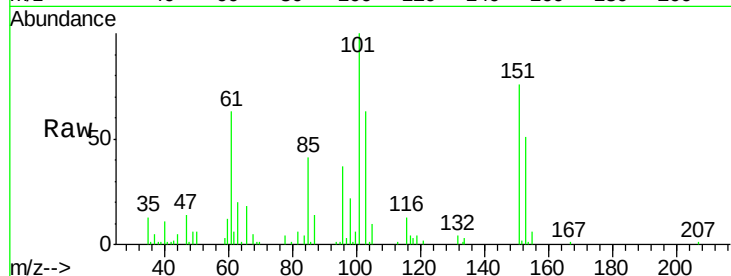
ClientSampleId :

VD0206SBS01

Tot Ion:	101	Resp:	88669
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.0	51.0
151	79.1	64.0	96.0

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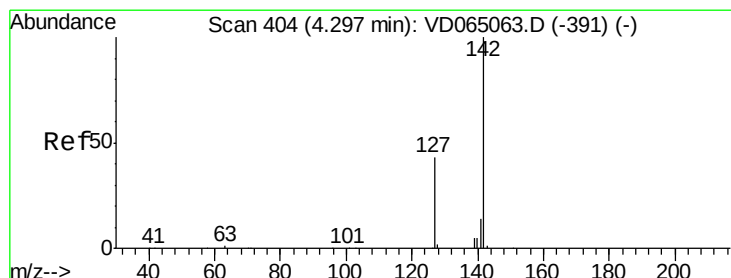
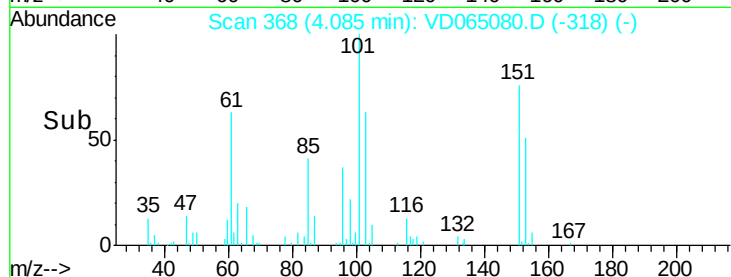
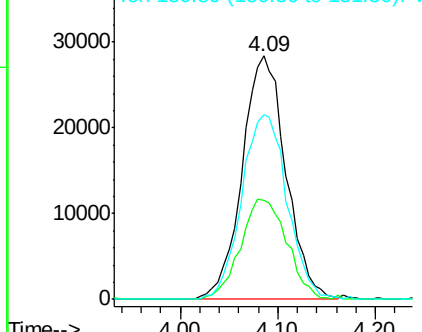
MMDadoda
2/7/2020 12:05:33 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.298 ug/l

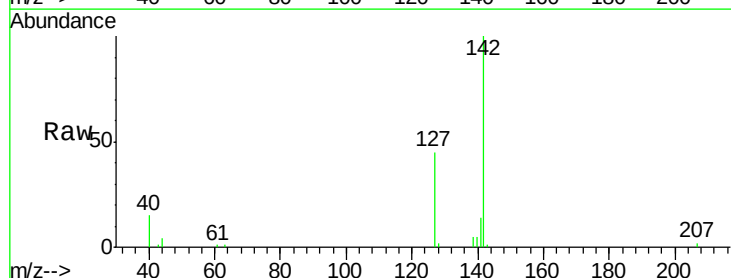
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

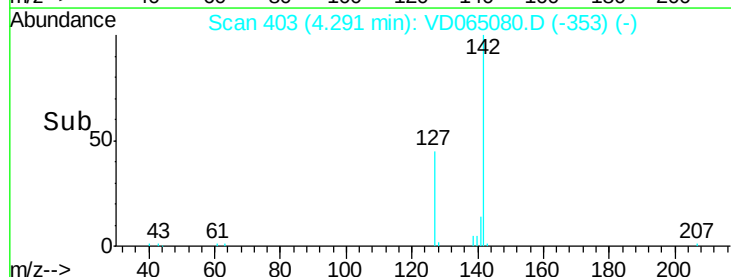
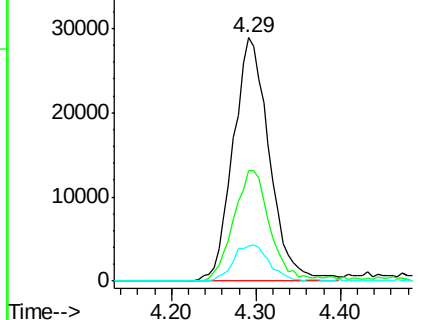
Tgt Ion:	142	Resp:	85955
Ion Ratio	Lower	Upper	
142	100		
127	44.9	34.0	51.0
141	14.5	11.6	17.4

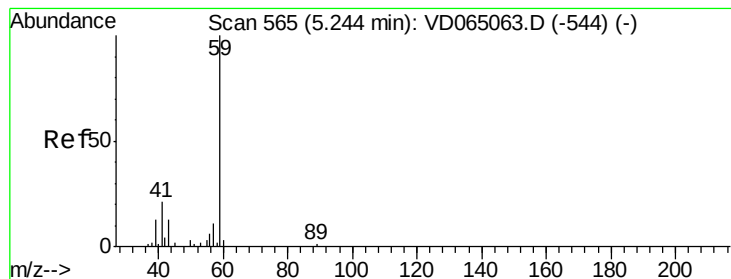


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.226 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 59 Resp: 22131

Ion Ratio Lower Upper

59 100

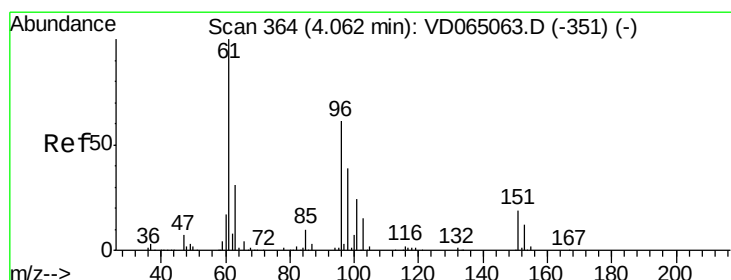
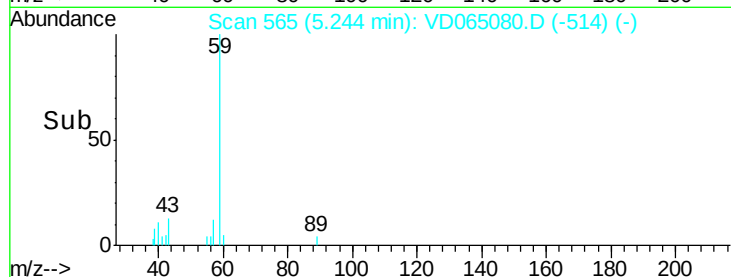
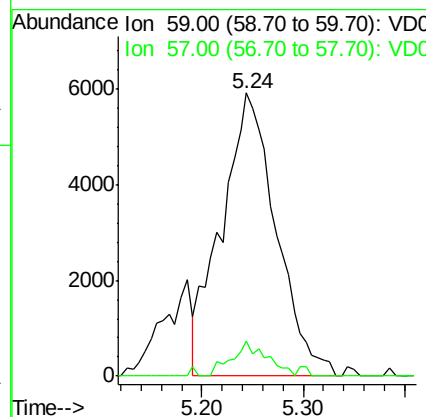
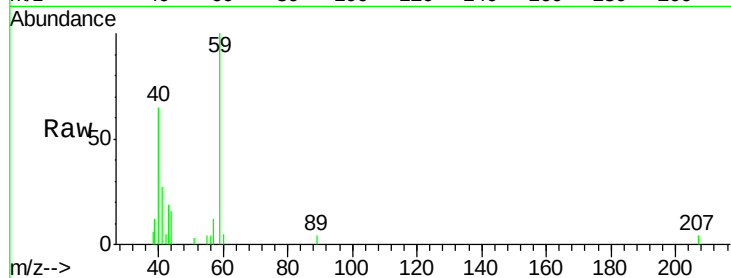
57 7.8 8.8 13.2#

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 19.619 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

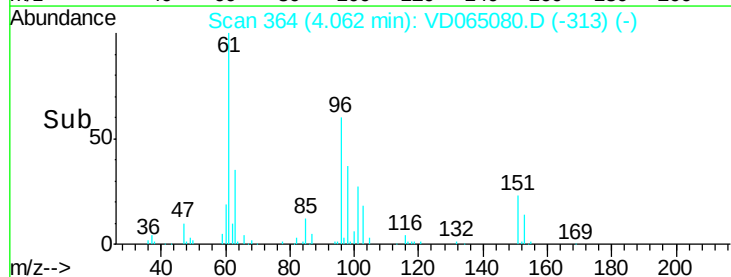
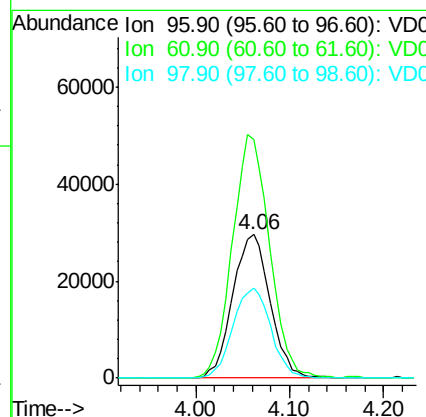
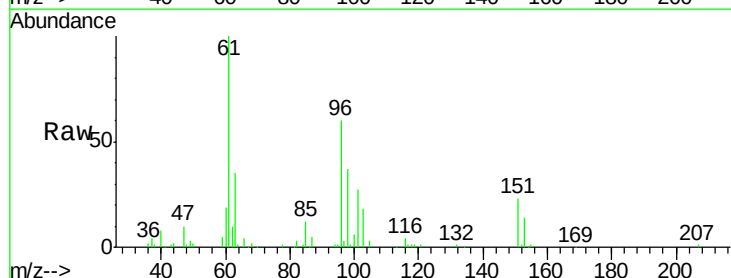
Tgt Ion: 96 Resp: 81802

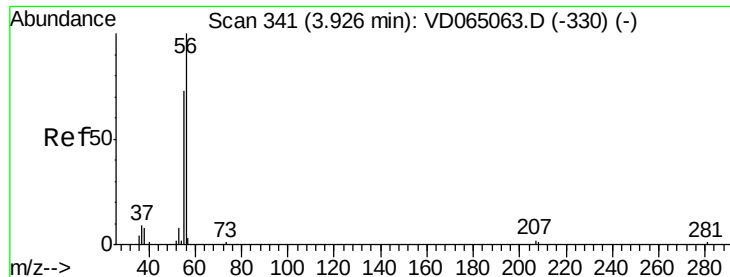
Ion Ratio Lower Upper

96 100

61 167.0 131.4 197.2

98 62.5 51.1 76.7





#13

Acrolein

Concen: 92.283 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 56 Resp: 27841

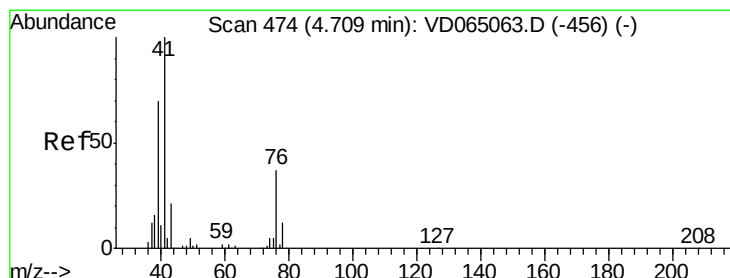
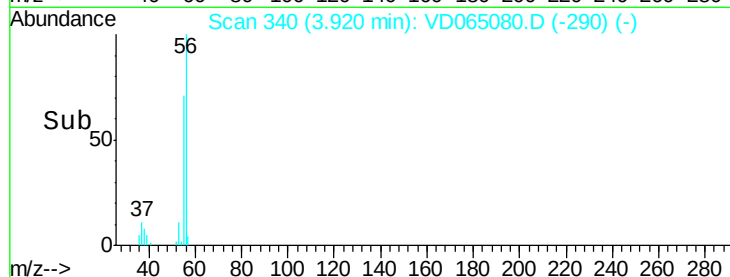
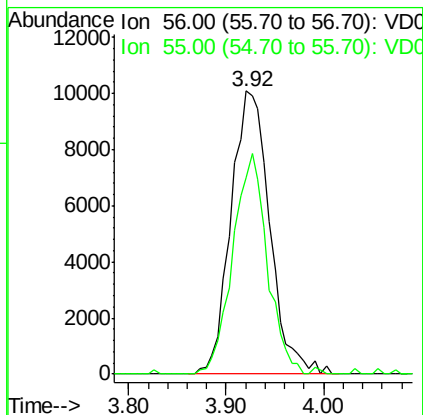
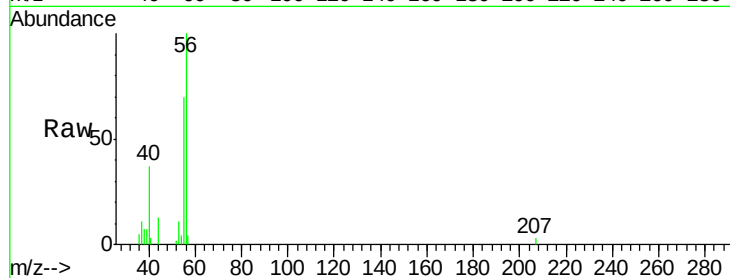
Ion Ratio Lower Upper

56 100

55 69.1 58.2 87.2

Manual Integrations
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#14

Allyl chloride

Concen: 19.442 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

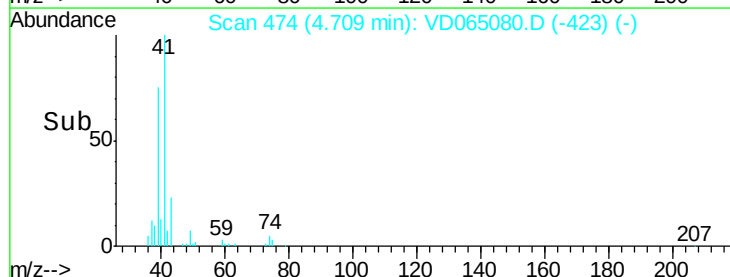
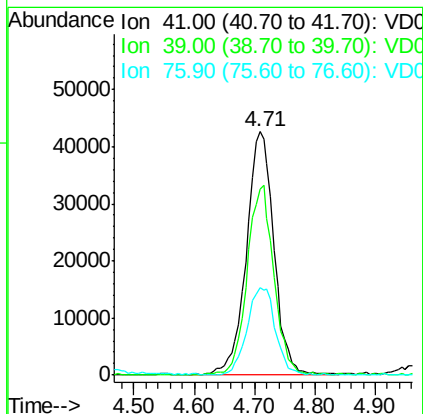
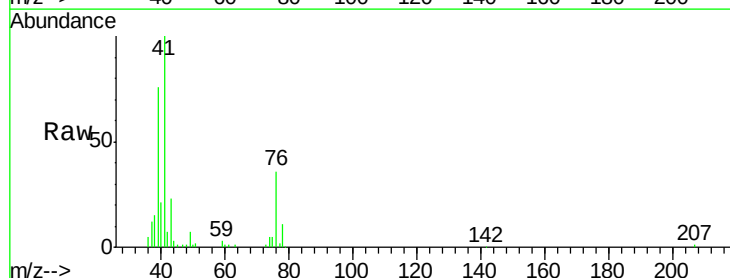
Tgt Ion: 41 Resp: 134725

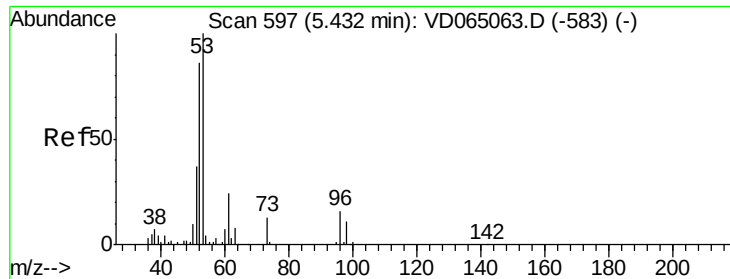
Ion Ratio Lower Upper

41 100

39 75.3 57.1 85.7

76 36.9 28.0 42.0





#15

Acrylonitrile

Concen: 90.510 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

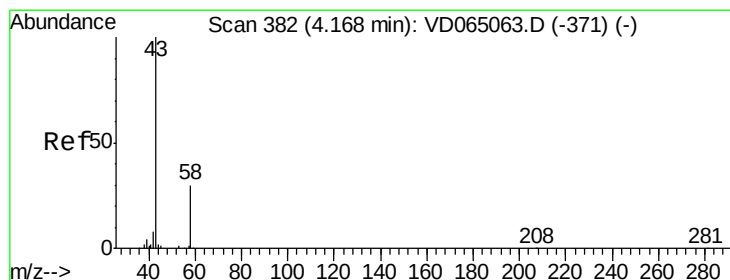
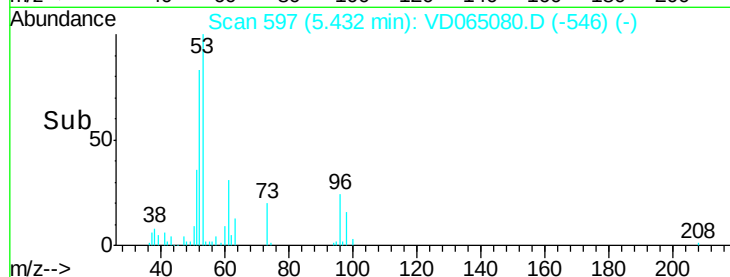
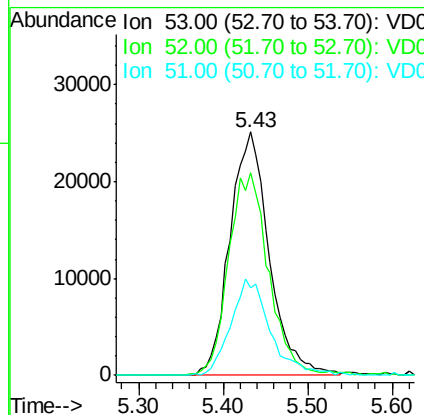
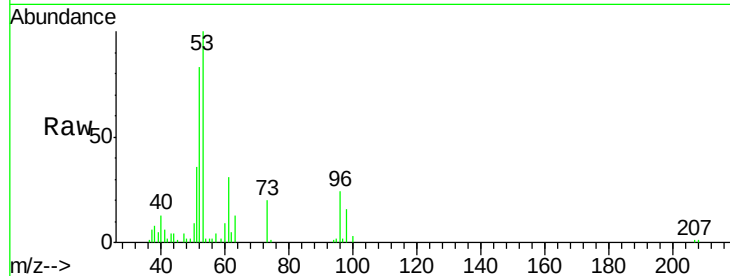
ClientSampleId :

VD0206SBS01

Tot Ion:	53	Resp:	80897
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.2	99.2
51	39.6	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 83.500 ug/l

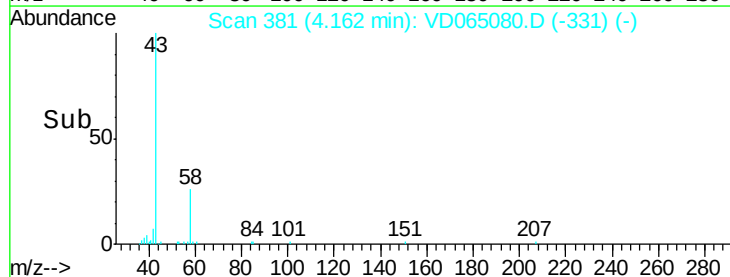
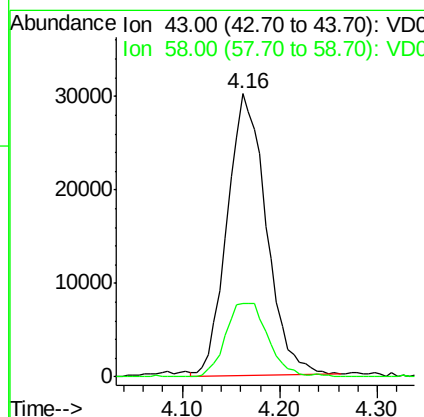
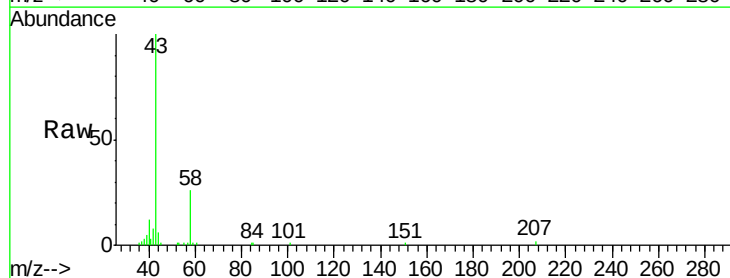
RT: 4.16 min Scan# 381

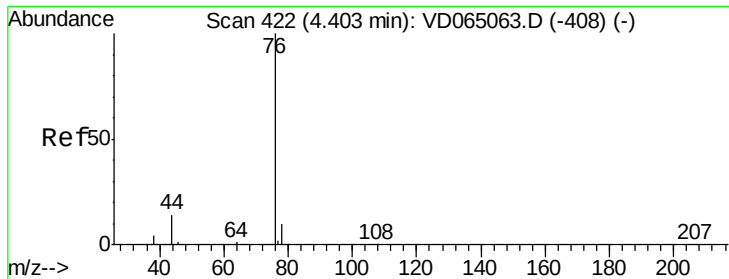
Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Tgt Ion:	43	Resp:	83809
Ion Ratio	Lower	Upper	
43	100		
58	26.2	23.5	35.3





#17

Carbon Disulfide

Concen: 20.570 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 76 Resp: 275370

Ion Ratio Lower Upper

76 100

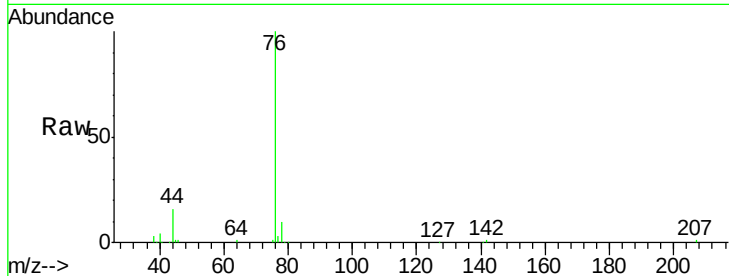
78 10.1 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

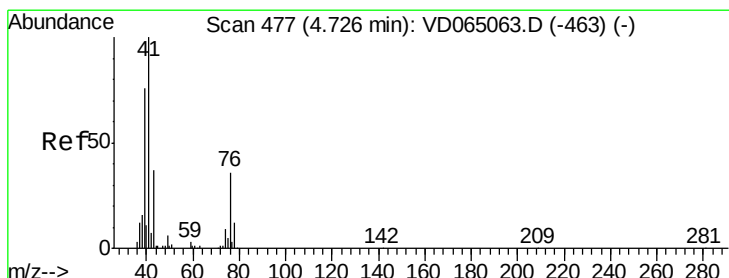
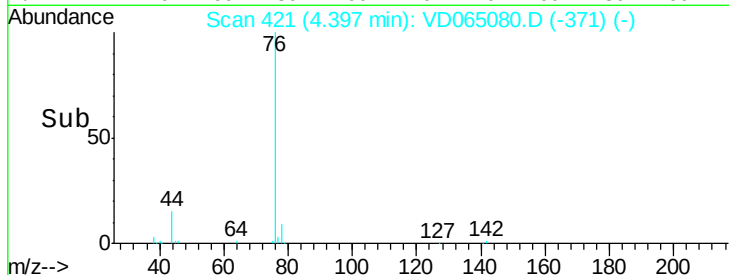
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.095 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065080.D

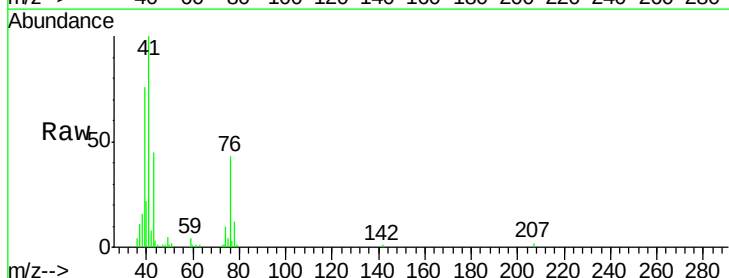
Acq: 06 Feb 2020 12:05

Tgt Ion: 43 Resp: 40042

Ion Ratio Lower Upper

43 100

74 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

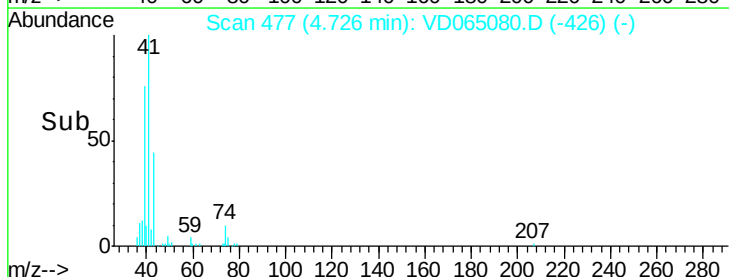
15000

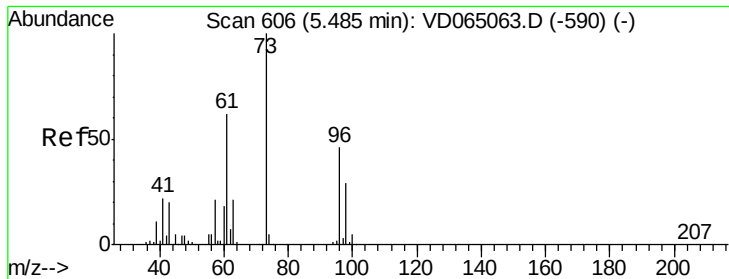
10000

5000

0

Time-->





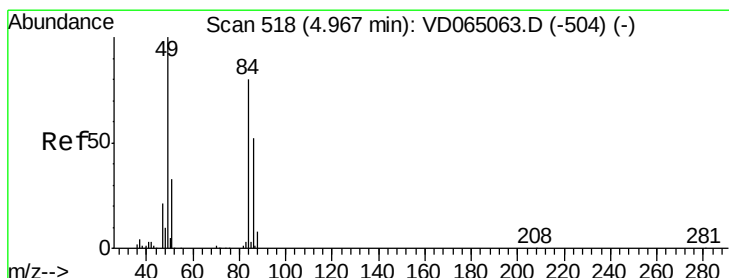
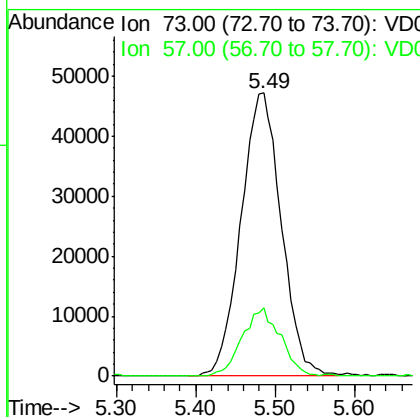
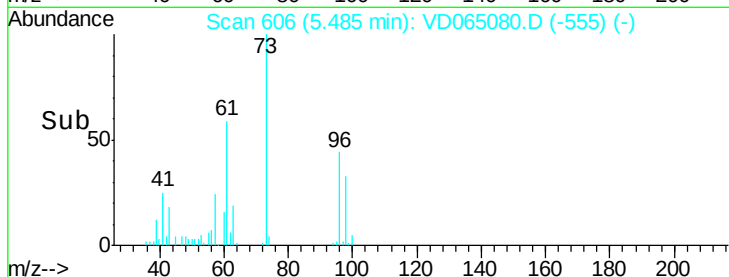
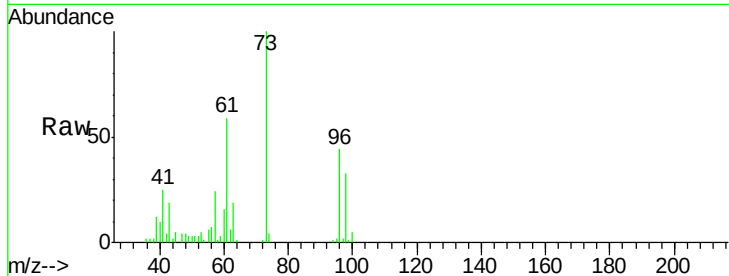
#19
Methyl tert-butyl Ether
Concen: 18.070 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion: 73 Resp: 166610
Ion Ratio Lower Upper
73 100
57 24.2 16.8 25.2

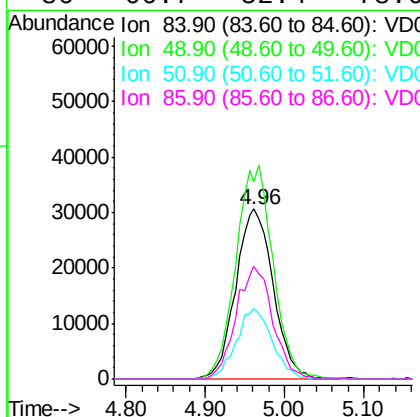
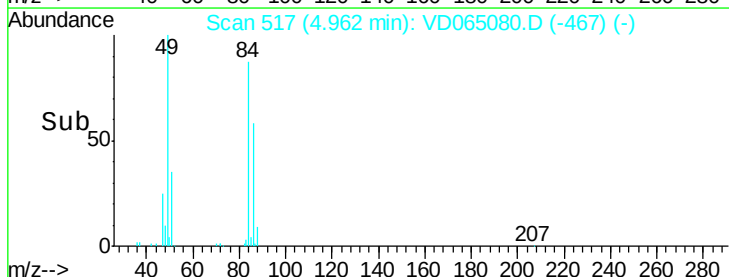
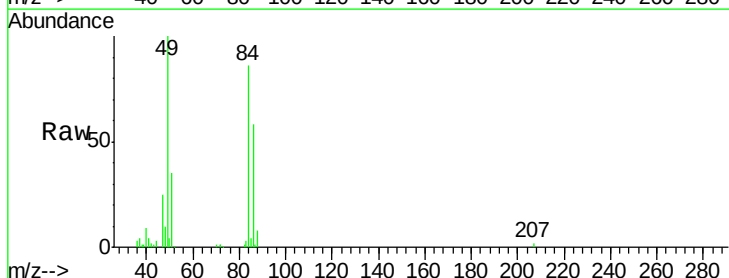
Manual Integrations
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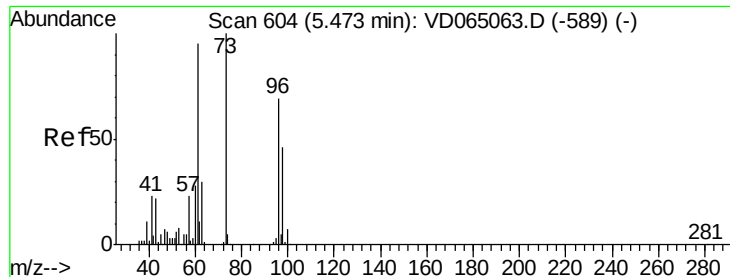
MMDadoda
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#20
Methylene Chloride
Concen: 20.411 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion: 84 Resp: 100513
Ion Ratio Lower Upper
84 100
49 116.0 100.4 150.6
51 41.2 32.7 49.1
86 66.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 19.782 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

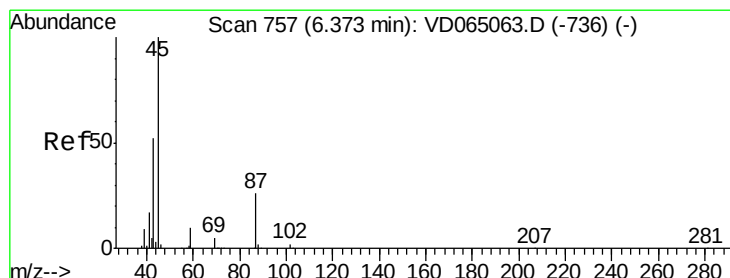
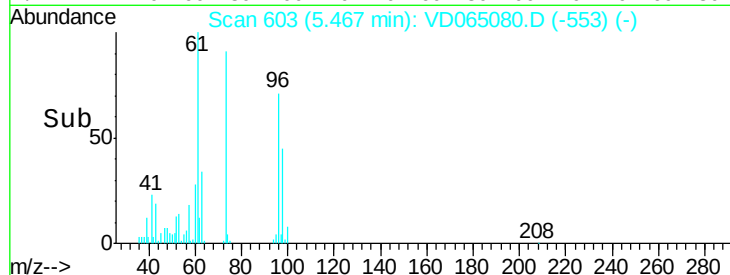
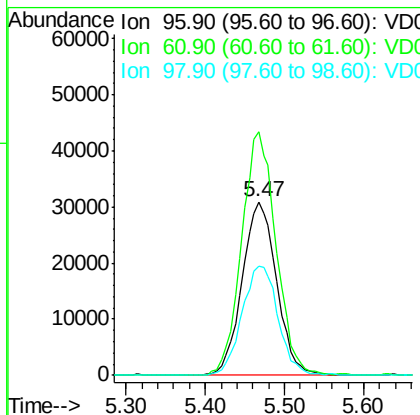
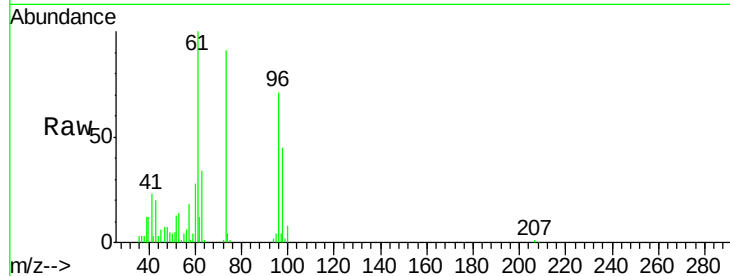
ClientSampleId :

VD0206SBS01

Tot Ion:	96	Resp:	93318
Ion	Ratio	Lower	Upper
96	100		
61	140.6	109.5	164.3
98	63.0	53.7	80.5

Manual Integrations
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2/7/2020 12:05:33 PM



#22

Diisopropyl ether

Concen: 20.299 ug/l

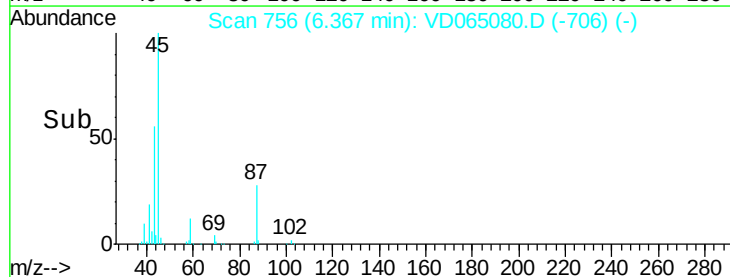
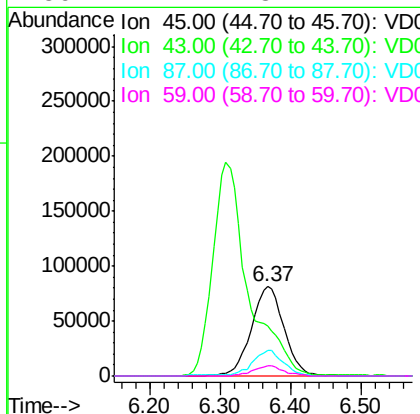
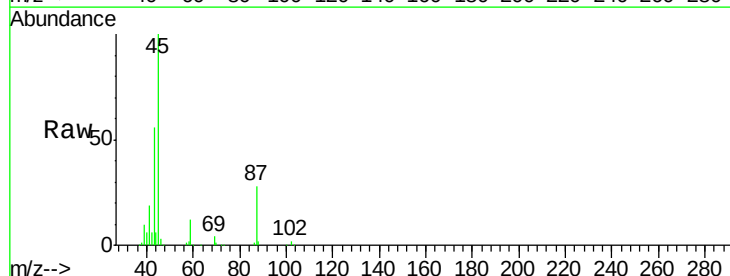
RT: 6.37 min Scan# 756

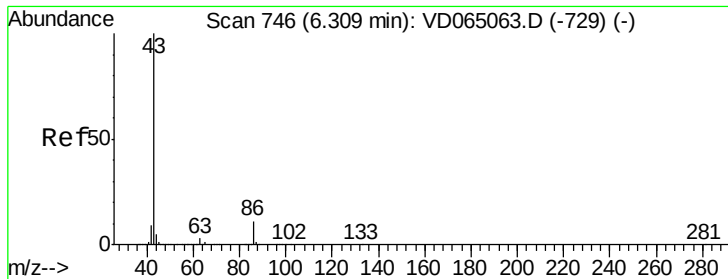
Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Tgt Ion:	45	Resp:	265320
Ion	Ratio	Lower	Upper
45	100		
43	55.2	41.3	61.9
87	28.3	21.0	31.6
59	12.1	8.2	12.4





#23

Vinyl Acetate

Concen: 93.580 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 43 Resp: 681775

Ion Ratio Lower Upper

43 100

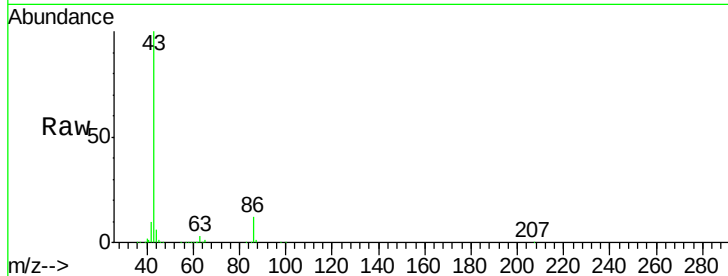
86 11.6 8.5 12.7

Manual Integrations

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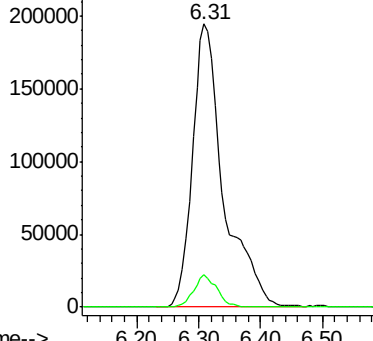
MMDadoda

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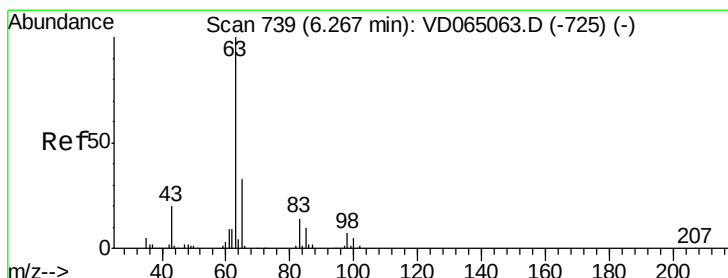
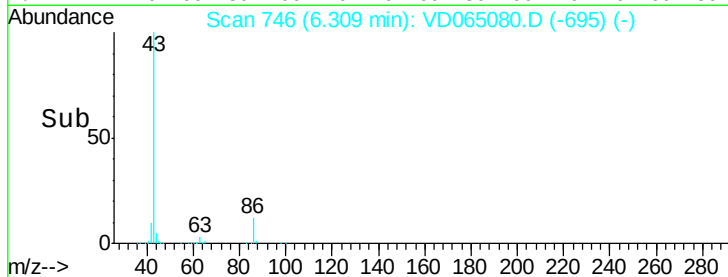


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.650 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

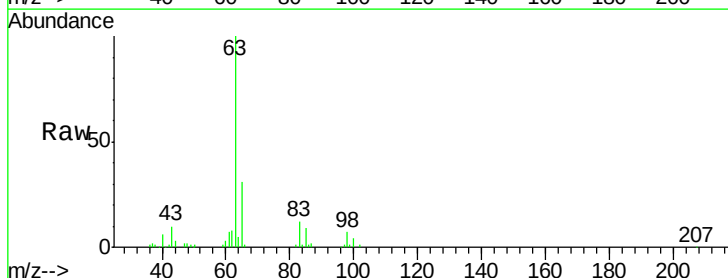
Tgt Ion: 63 Resp: 163375

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

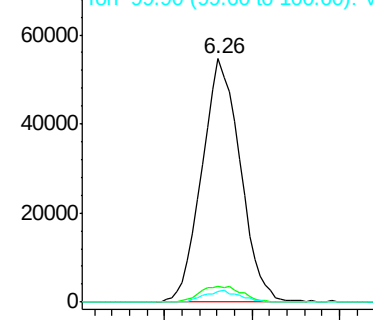
100 4.4 2.5 7.6



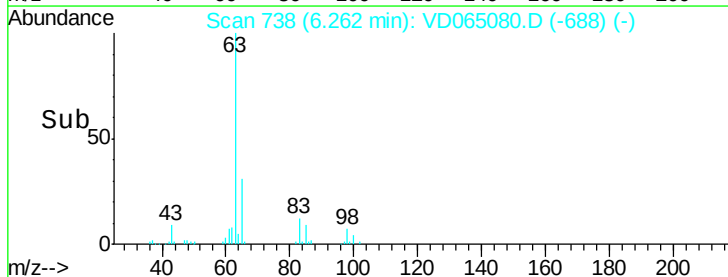
Abundance Ion 62.90 (62.60 to 63.60): VDC

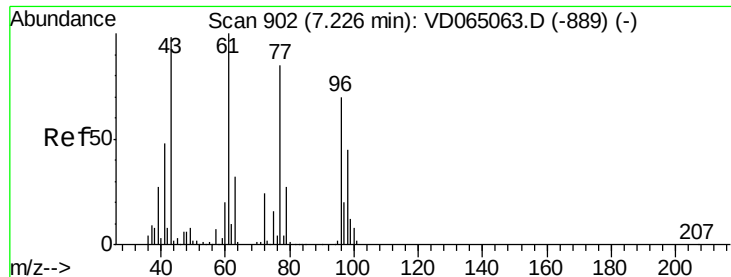
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 85.891 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 43 Resp: 102835

Ion Ratio Lower Upper

43 100

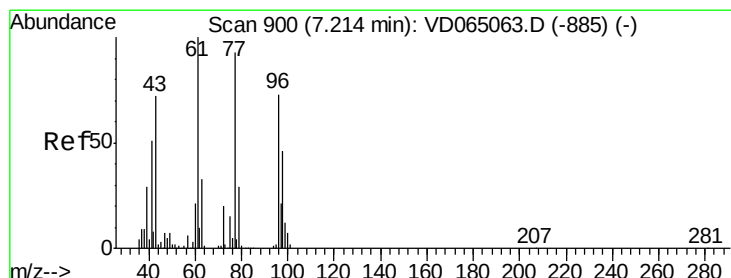
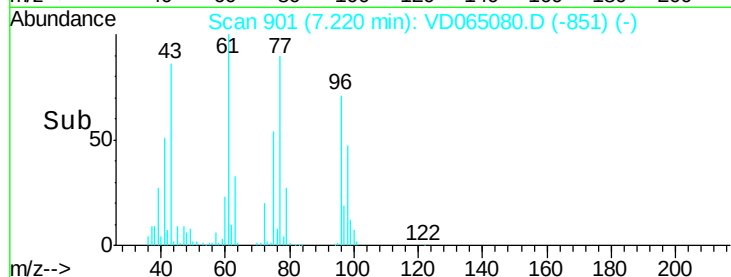
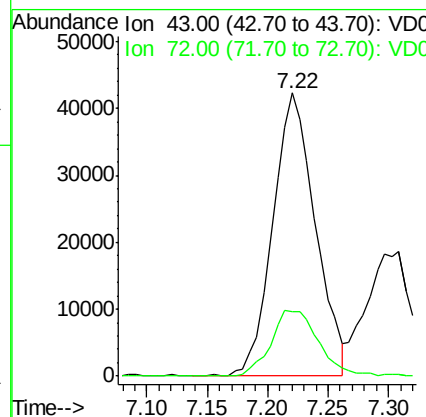
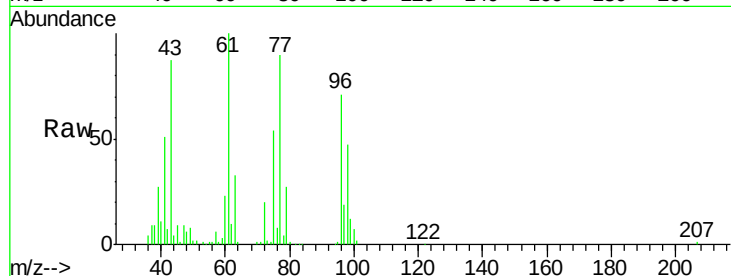
72 22.9 19.9 29.9

Manual Integrations

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MMDadoda

2/7/2020 12:05:33 PM



#26

2,2-Dichloropropane

Concen: 20.877 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065080.D

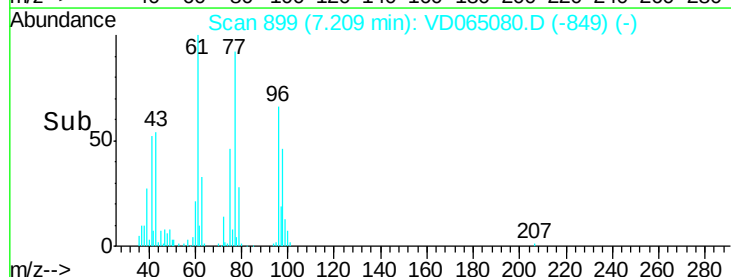
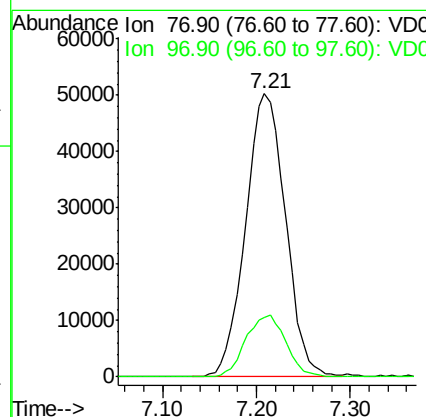
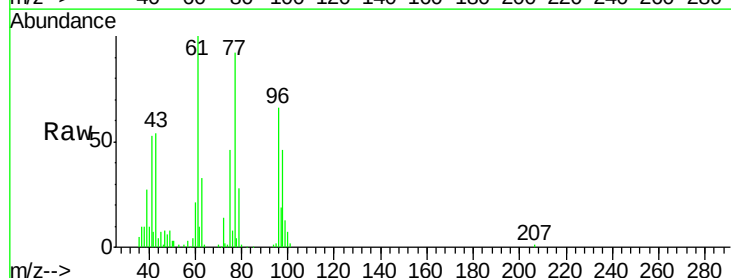
Acq: 06 Feb 2020 12:05

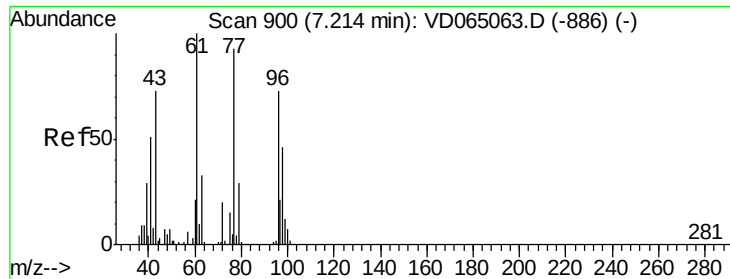
Tgt Ion: 77 Resp: 148045

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.6





#27

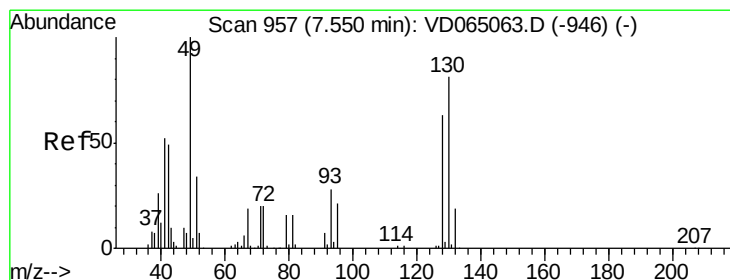
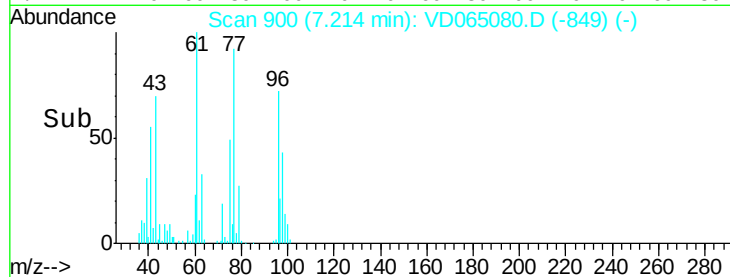
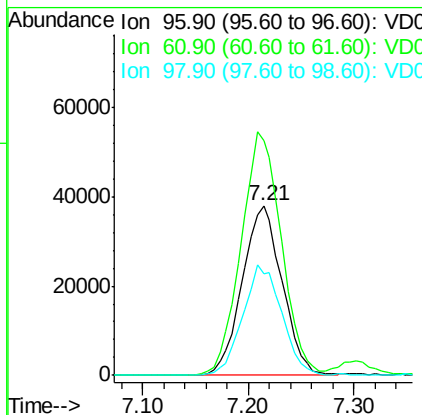
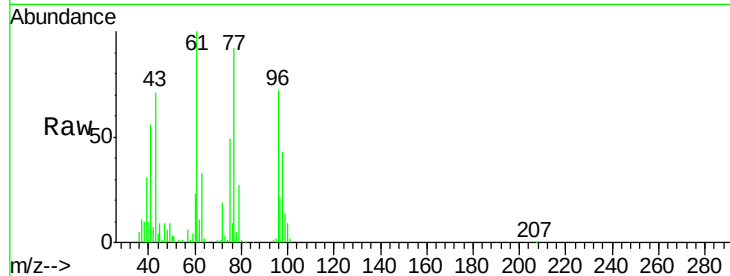
cis-1,2-Dichloroethene
Concen: 19.854 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	292.8
98	63.7	0.0	128.8

Manual Integrations
APPROVED

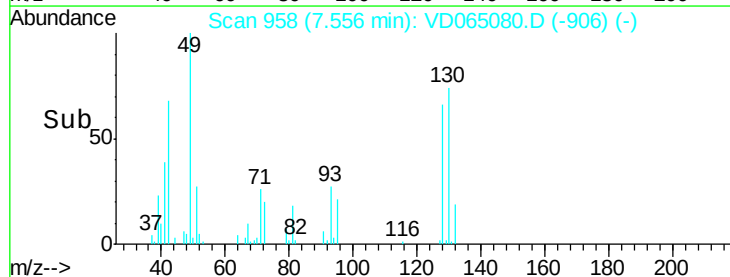
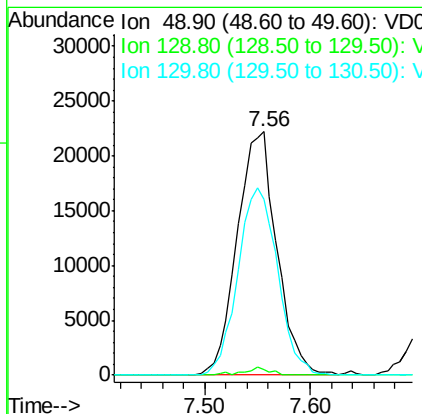
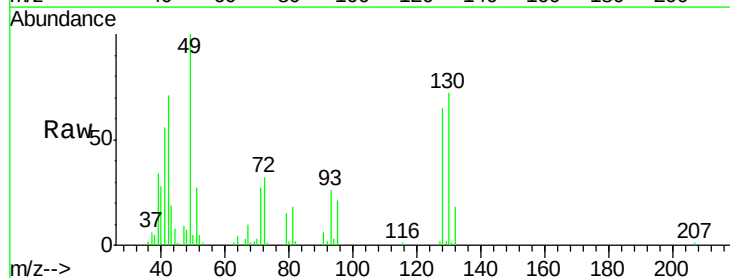
MMDadoda
2/7/2020 12:05:33 PM

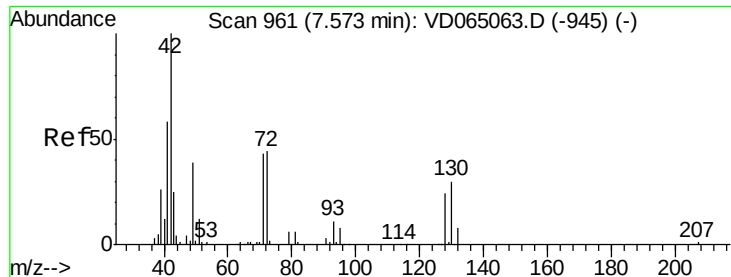


#28

Bromochloromethane
Concen: 19.316 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	77.0	63.8	95.8





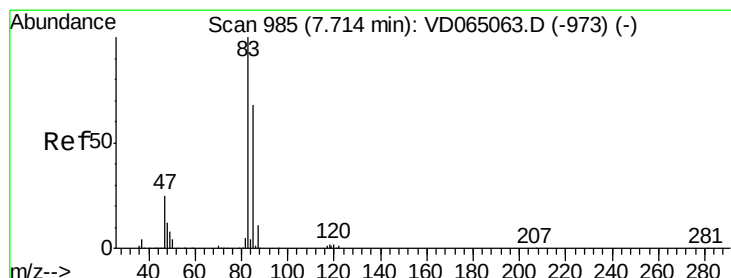
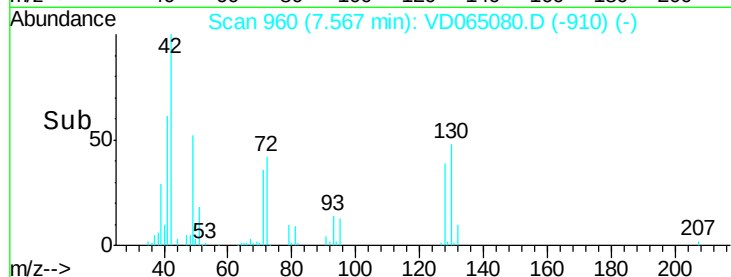
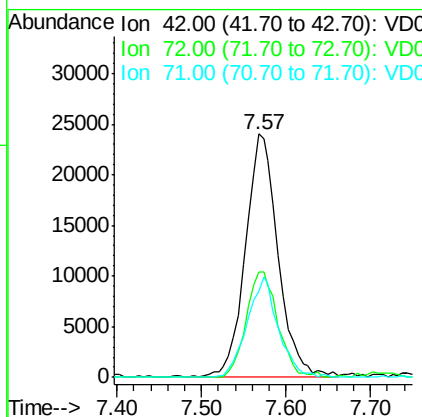
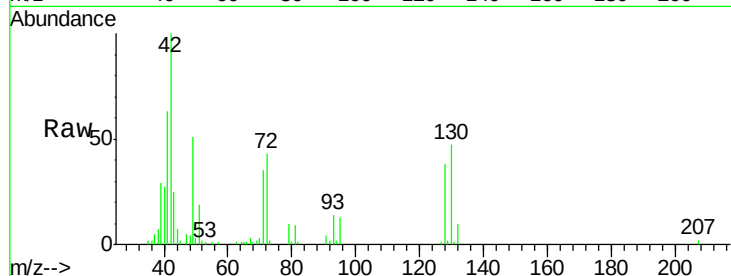
#29
Tetrahydrofuran
Concen: 89.513 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.2	51.4
71	39.0	31.8	47.6

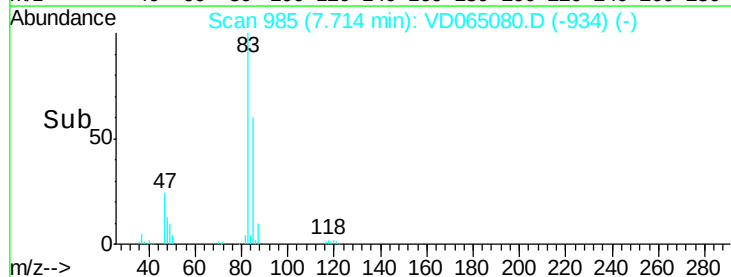
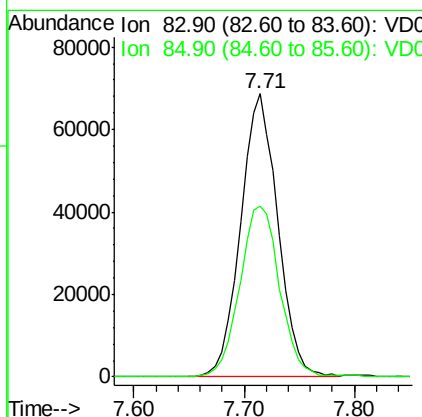
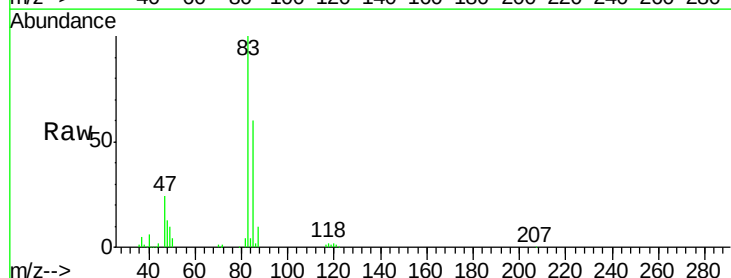
Manual Integrations
APPROVED

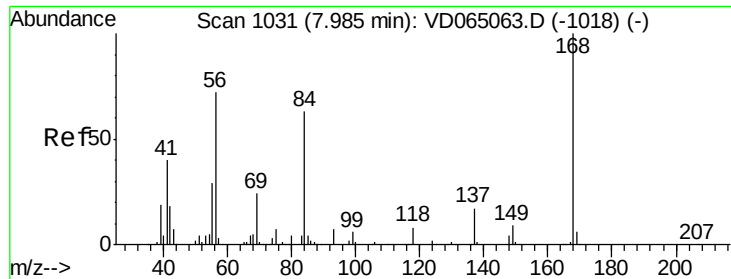
MMDadoda
2/7/2020 12:05:33 PM



#30
Chloroform
Concen: 20.624 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	54.2	81.4





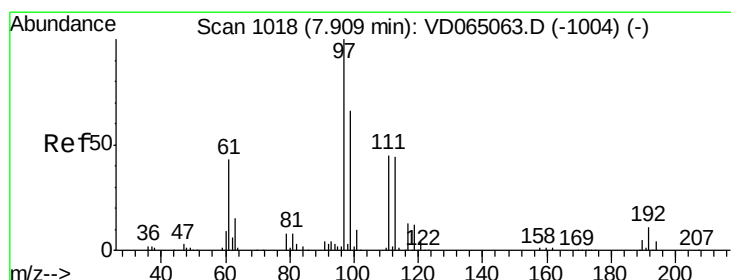
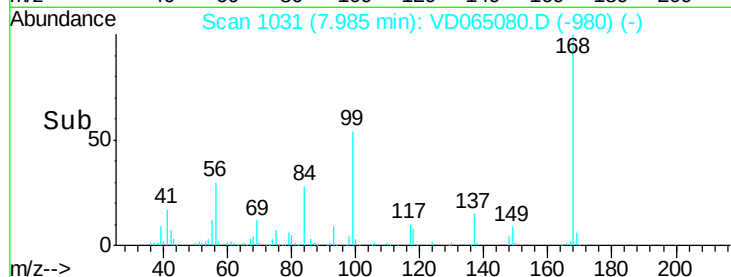
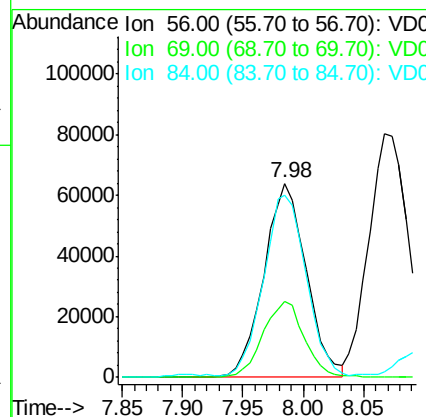
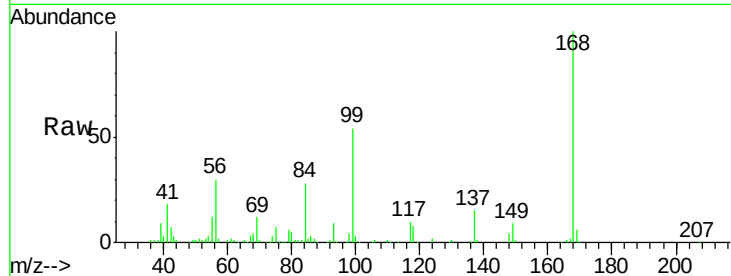
#31
Cyclohexane
Concen: 19.557 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	26.6	40.0
84	92.6	70.6	106.0

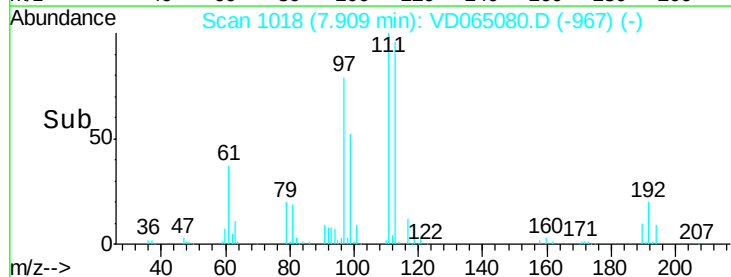
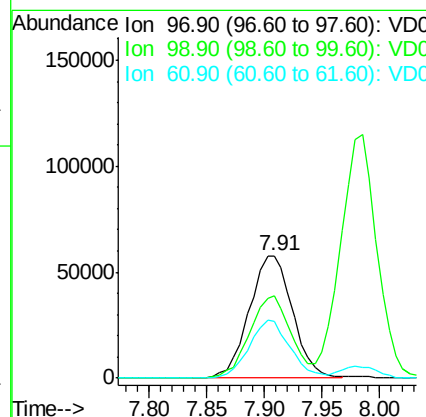
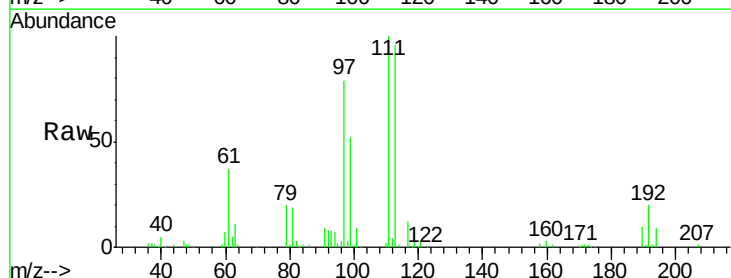
Manual Integrations
APPROVED

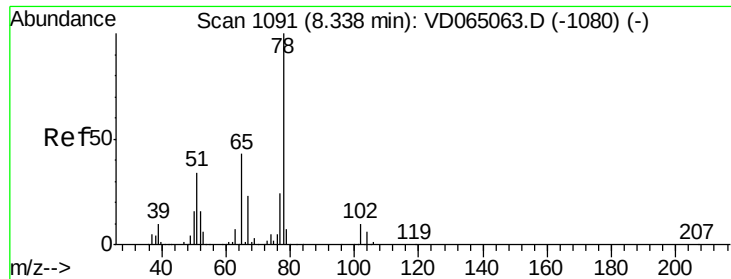
MMDadoda
2/7/2020 12:05:33 PM



#32
1,1,1-Trichloroethane
Concen: 20.519 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.5	77.3
61	45.2	34.8	52.2





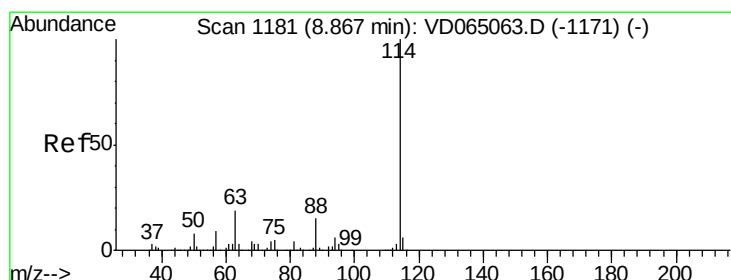
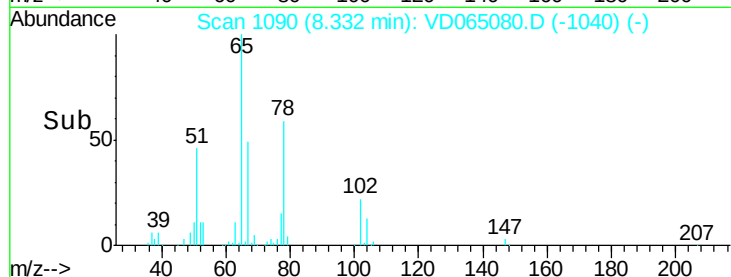
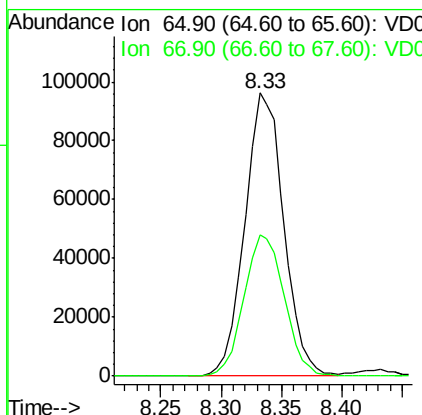
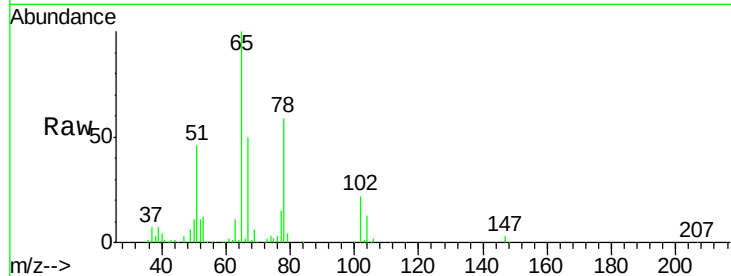
#33
 1,2-Dichloroethane-d4
 Concen: 53.773 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215872		
67	51.5	0.0	105.8	

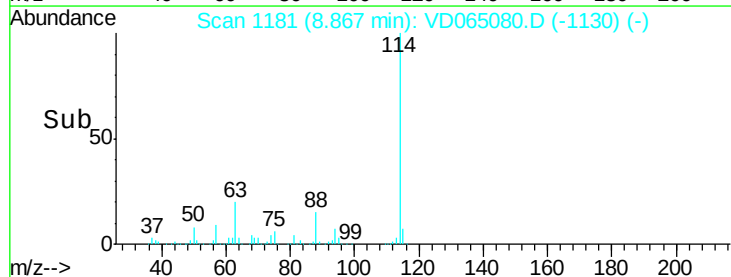
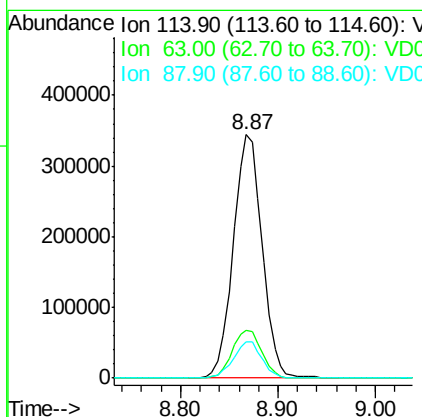
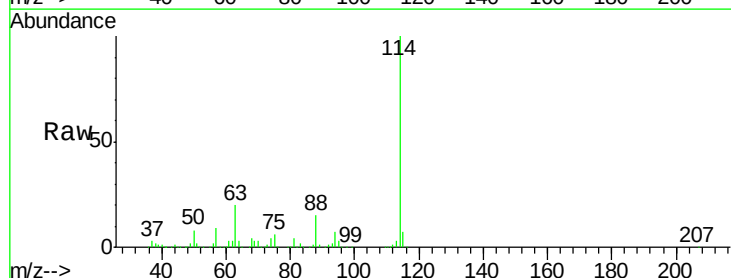
Manual Integrations
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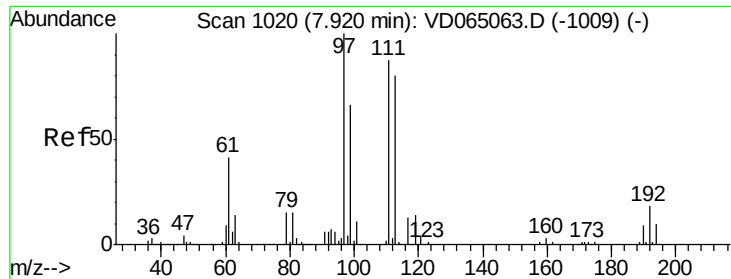
MMDadoda
 2/7/2020 12:05:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	703728		
63	19.7	0.0	38.8	
88	14.9	0.0	29.6	





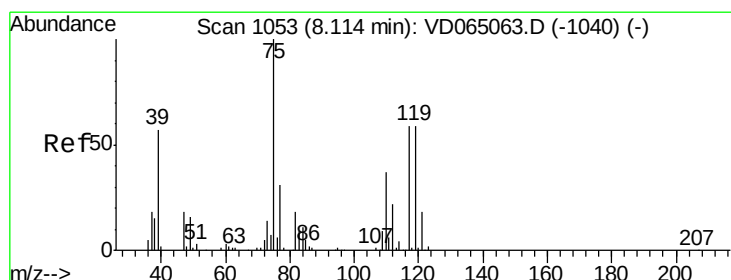
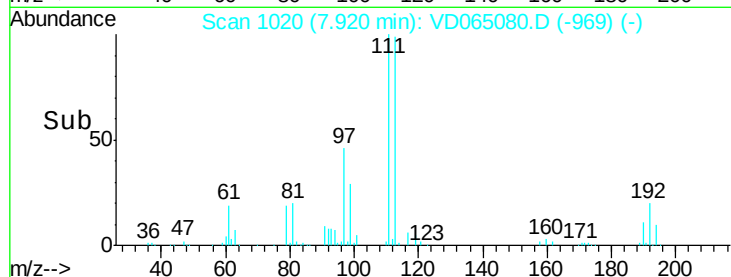
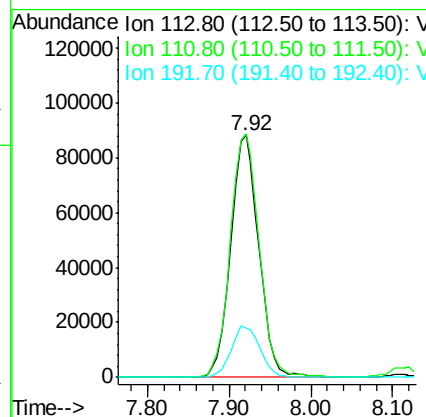
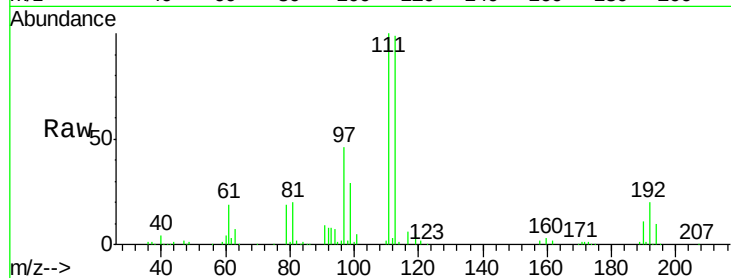
#35
 Dibromofluoromethane
 Concen: 53.725 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210944		
111	103.3	83.1	124.7	
192	21.6	18.1	27.1	

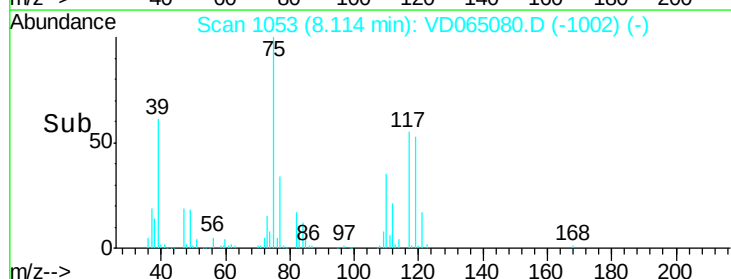
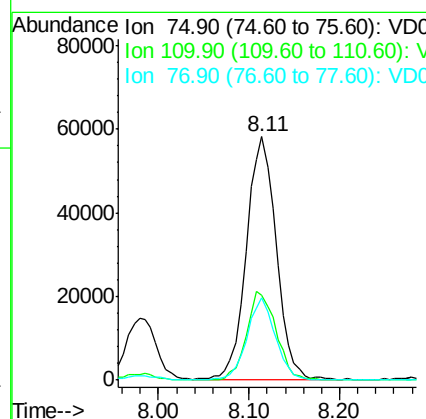
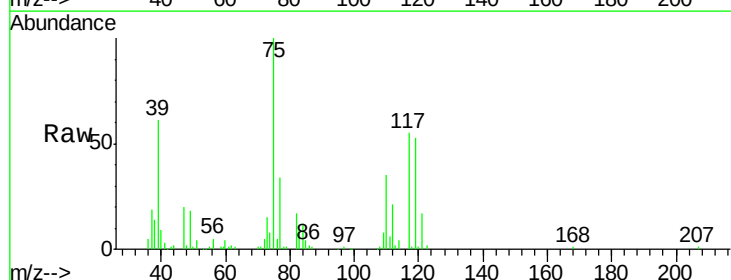
Manual Integrations
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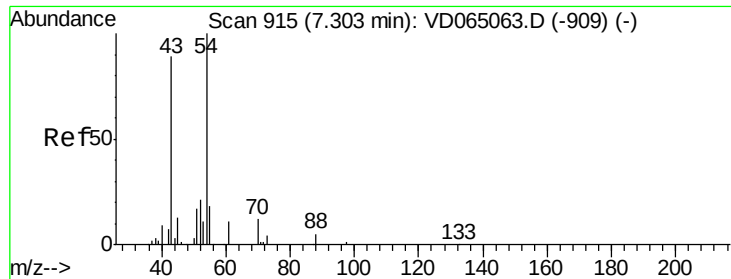
MMDadoda
 2/7/2020 12:05:33 PM



#36
 1,1-Dichloropropene
 Concen: 20.287 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132751		
110	35.9	18.1	54.3	
77	32.2	24.7	37.1	





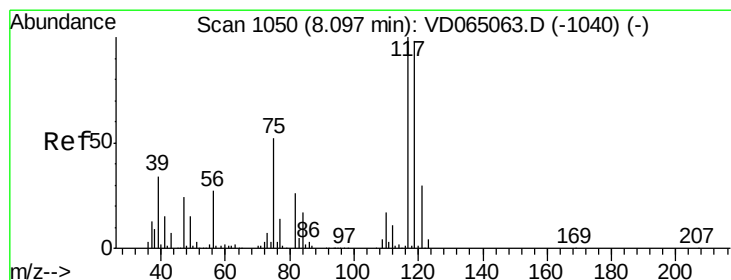
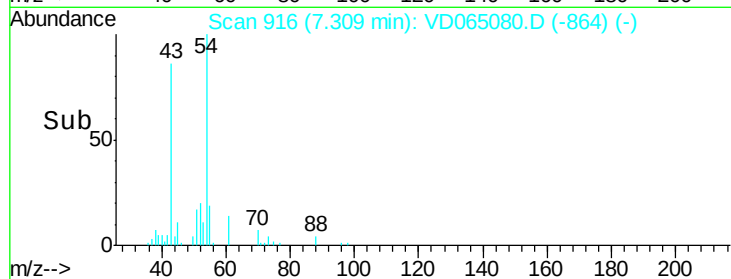
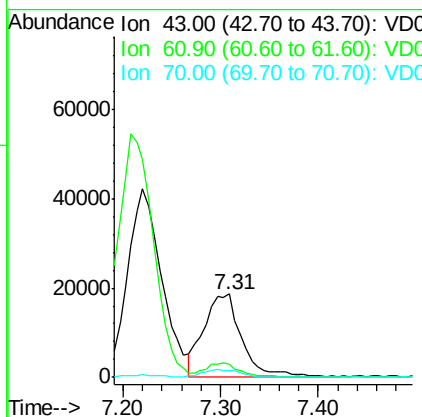
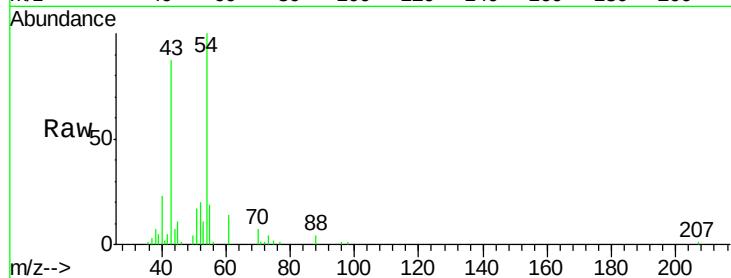
#37
Ethyl Acetate
Concen: 18.411 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.4
70	9.1	8.2	12.2

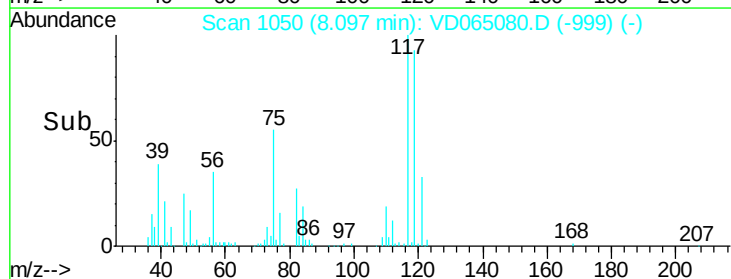
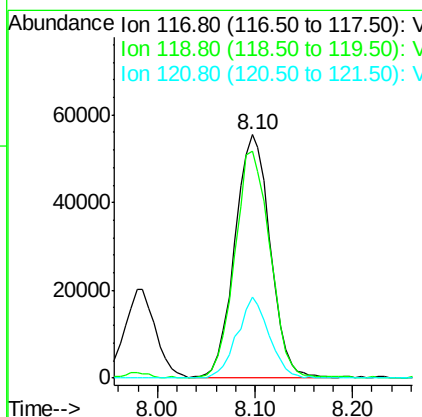
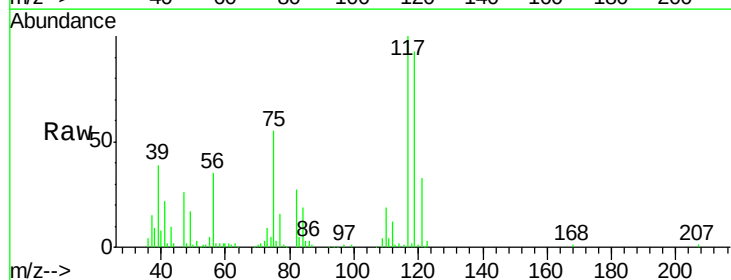
Manual Integrations
APPROVED

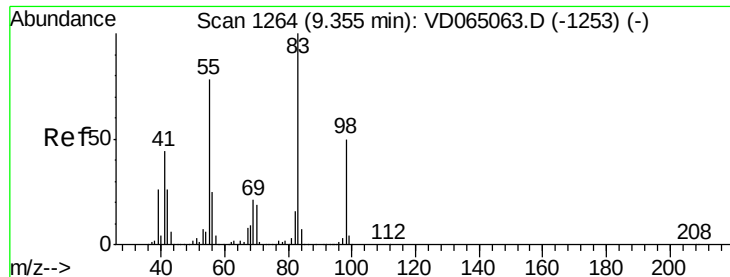
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#38
Carbon Tetrachloride
Concen: 20.931 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.5	117.7
121	33.4	23.8	35.6





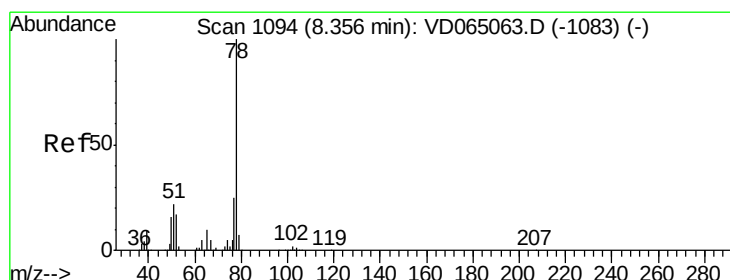
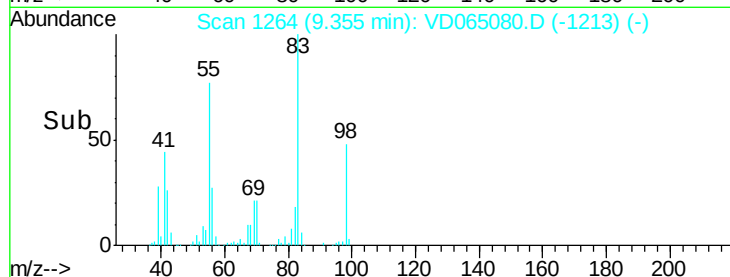
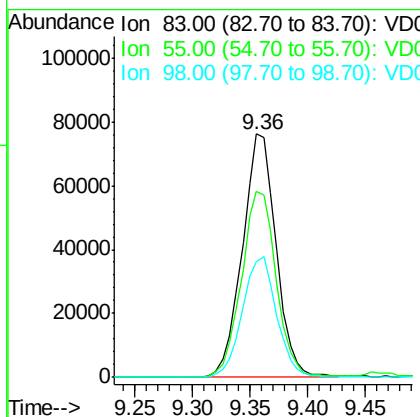
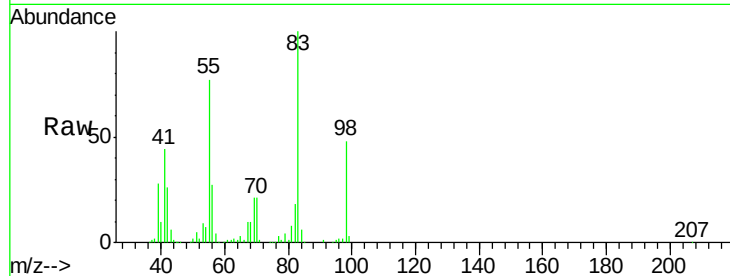
#39
Methylvlcyclohexane
Concen: 19.179 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	62.0	93.0
98	47.6	39.9	59.9

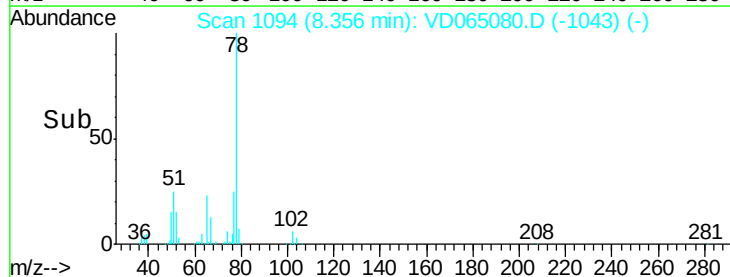
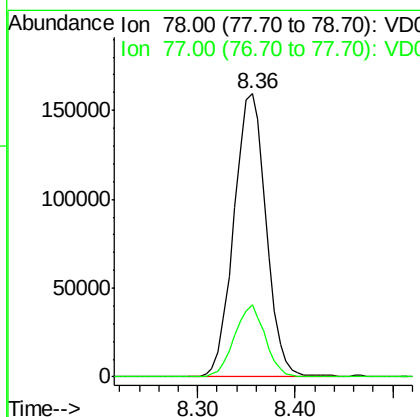
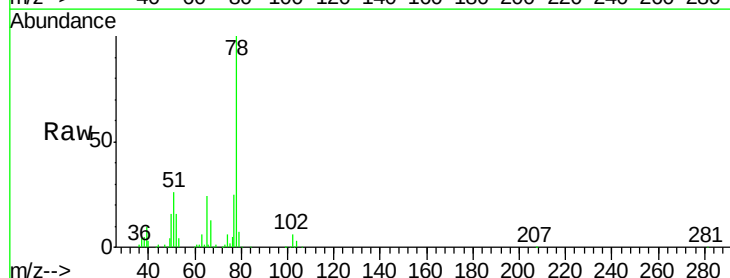
Manual Integrations
APPROVED

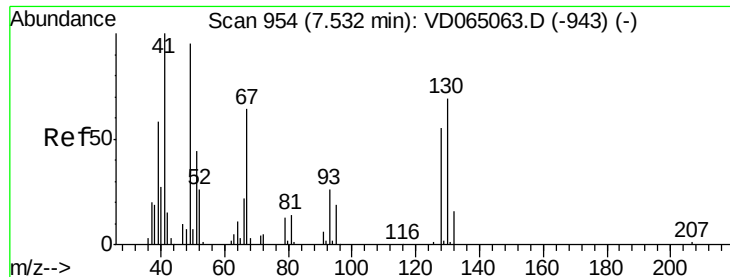
MMDadoda
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#40
Benzene
Concen: 20.359 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.6	29.4





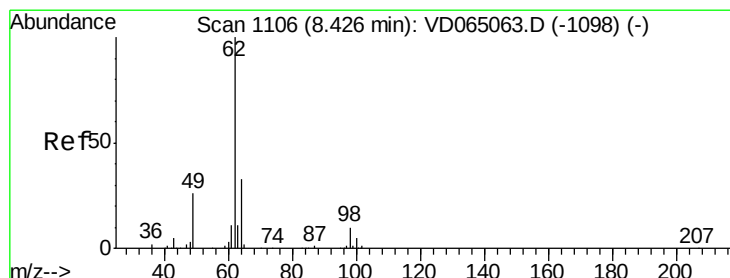
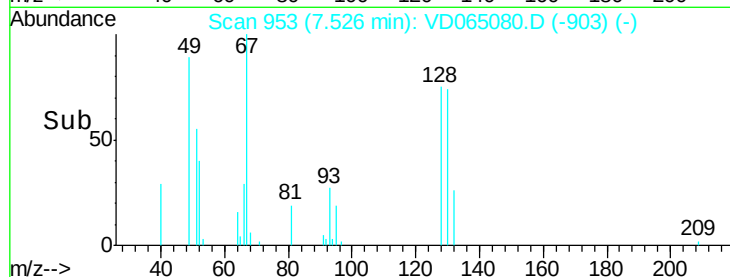
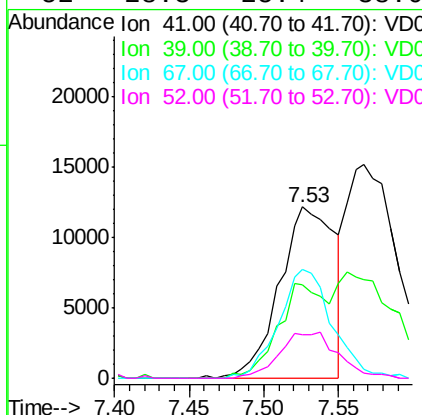
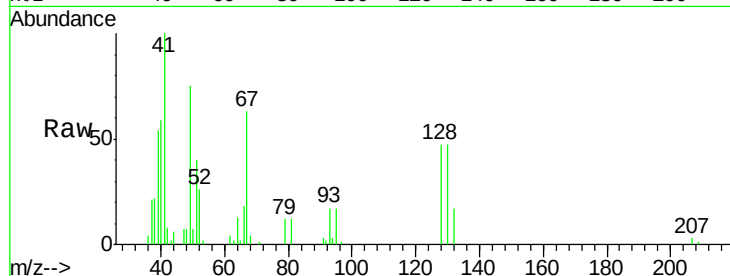
#41
Methacrylonitrile
Concen: 21.184 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.1	55.4	83.0#
67	61.9	59.0	88.6
52	28.3	25.4	38.0

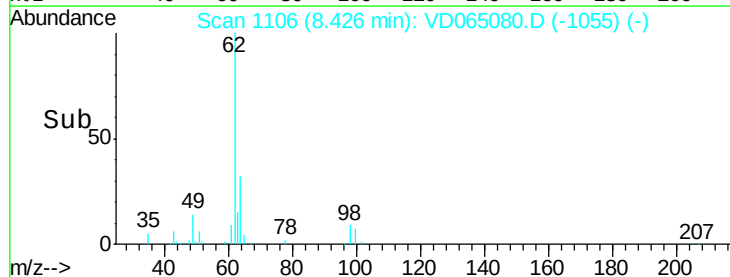
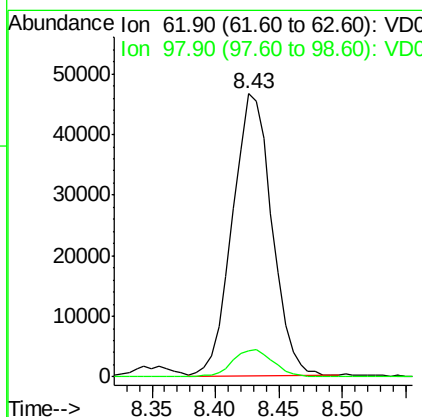
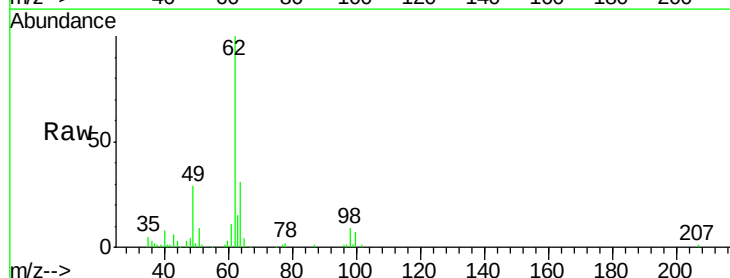
Manual Integrations
APPROVED

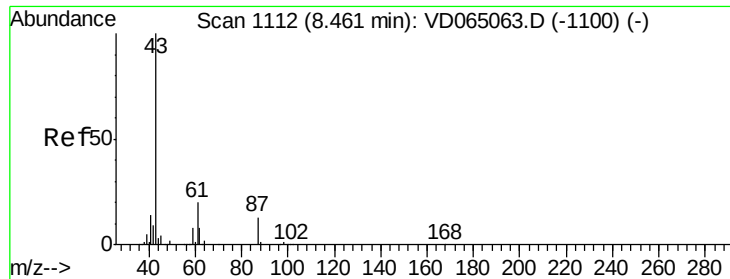
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.498 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 18.068 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

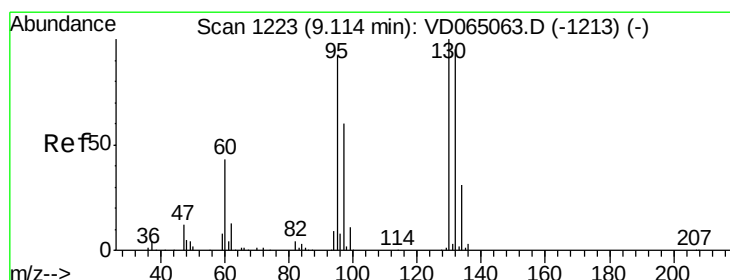
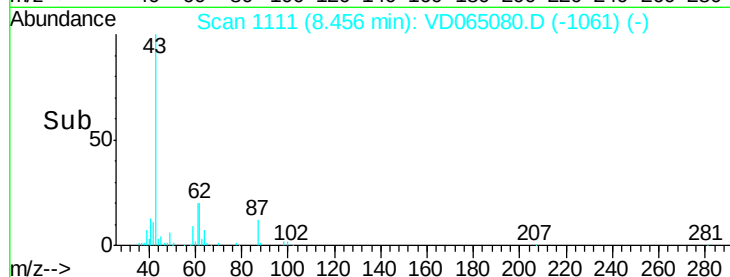
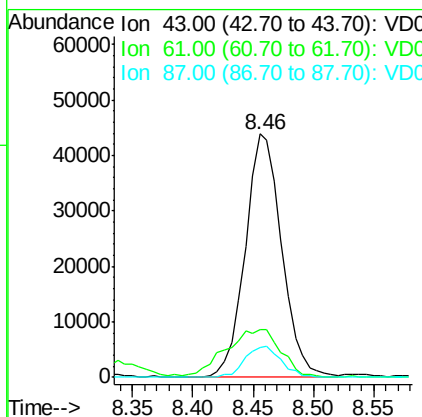
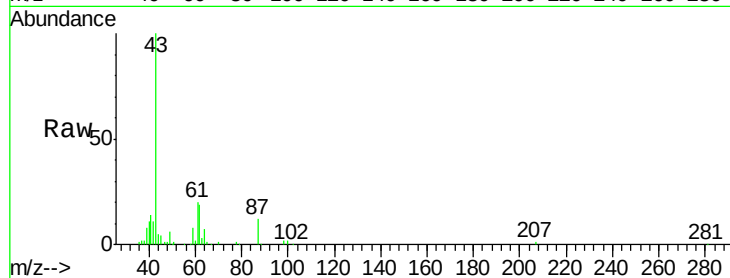
ClientSampleId :

VD0206SBS01

Tot Ion:	43	Resp:	92396
Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.0	36.0
87	12.7	10.2	15.4

Manual Integrations
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2/7/2020 12:05:33 PM



#44

Trichloroethene

Concen: 19.919 ug/l

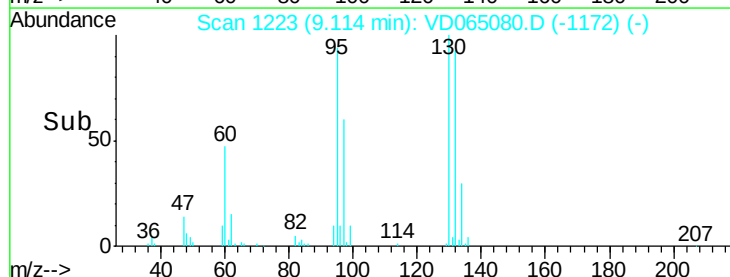
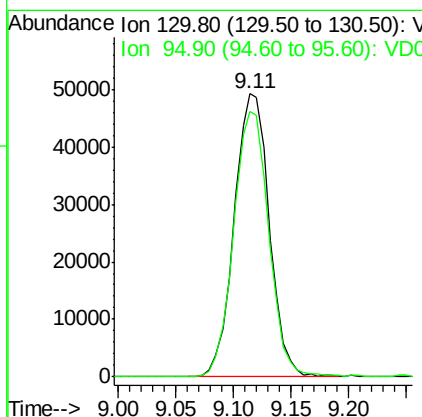
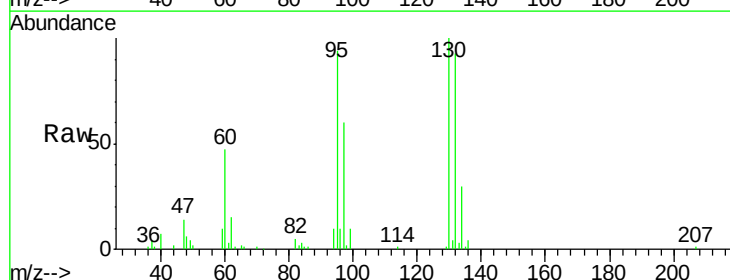
RT: 9.11 min Scan# 1223

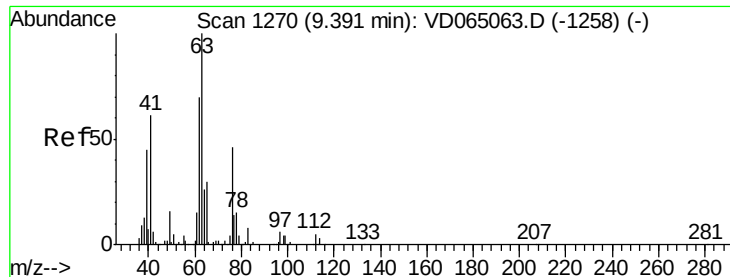
Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Tgt Ion:	130	Resp:	103314
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	185.0





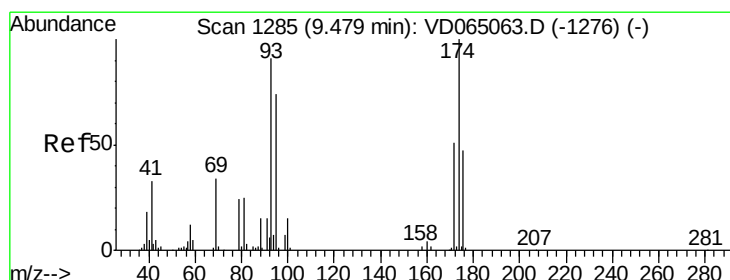
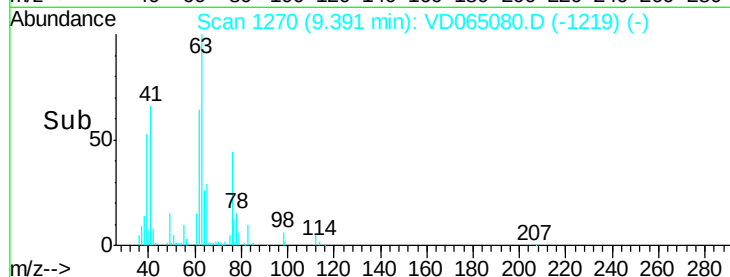
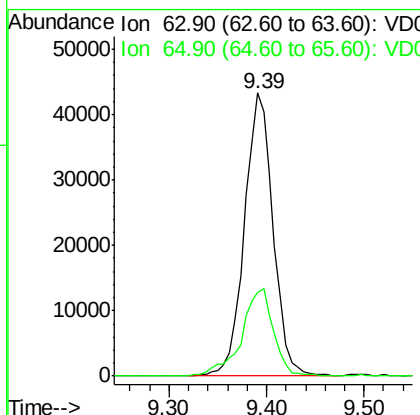
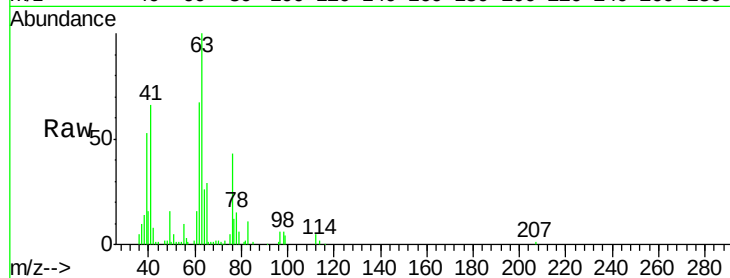
#45
 1,2-Dichloropropane
 Concen: 20.543 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	63	Resp	89000
Ion Ratio	Lower	Upper	
63	100		
65	29.4	23.9	35.9

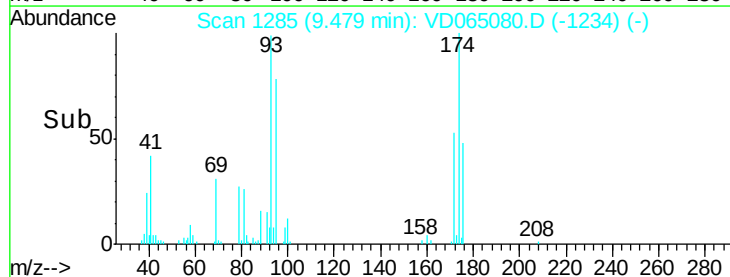
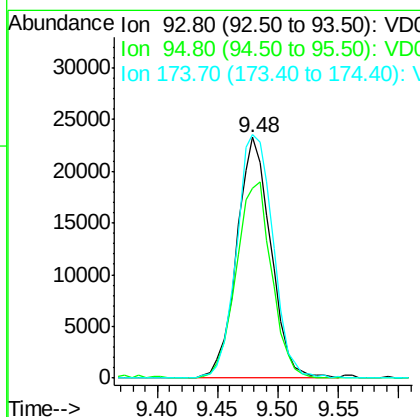
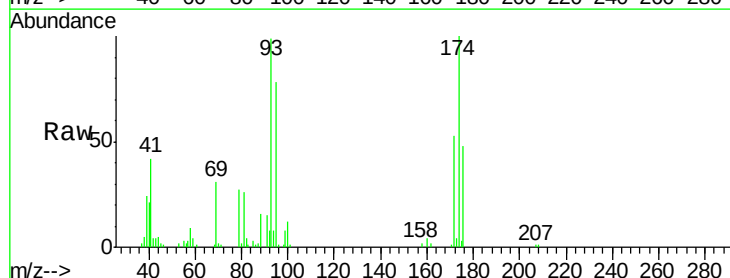
Manual Integrations
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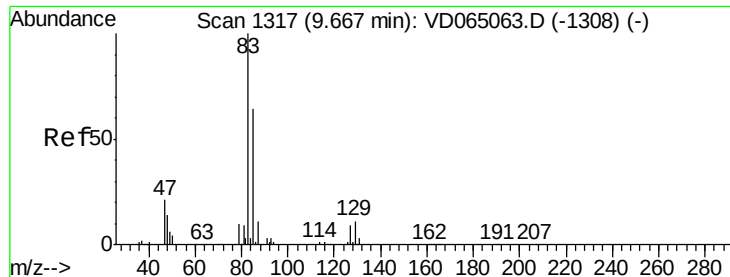
MMDadoda
 2/7/2020 12:05:33 PM



#46
 Dibromomethane
 Concen: 20.144 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	93	Resp	45861
Ion Ratio	Lower	Upper	
93	100		
95	84.4	66.5	99.7
174	107.8	89.8	134.8





#47

Bromodichloromethane

Concen: 20.475 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

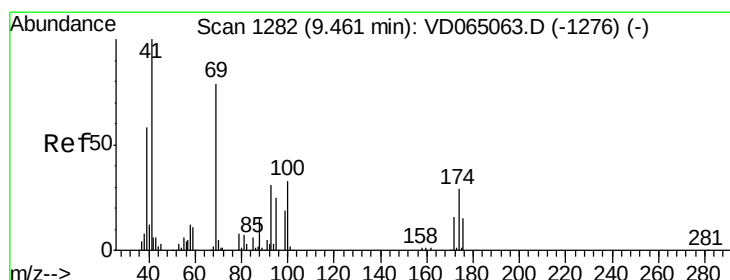
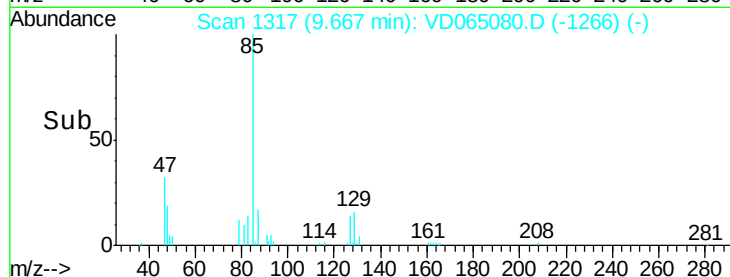
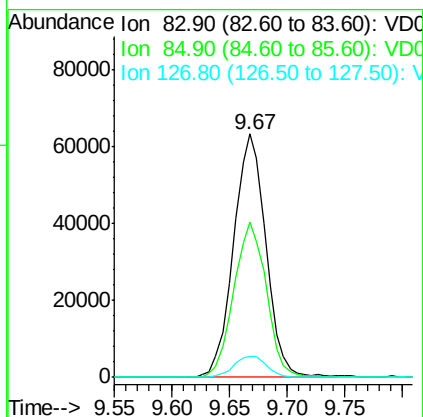
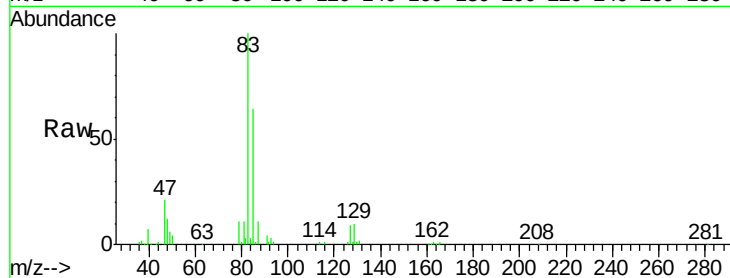
ClientSampleId :

VD0206SBS01

Tot Ion:	83	Resp:	122823
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6
127	8.6	7.3	10.9

Manual Integrations
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MMDadoda
2/7/2020 12:05:33 PM



#48

Methyl methacrylate

Concen: 17.011 ug/l

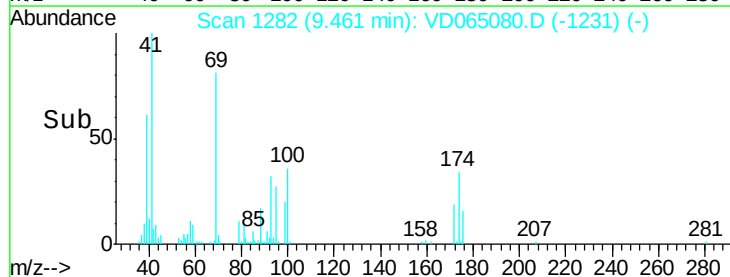
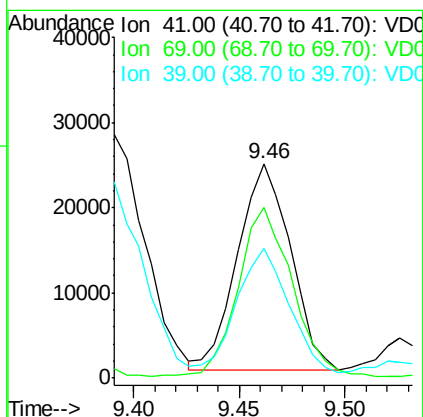
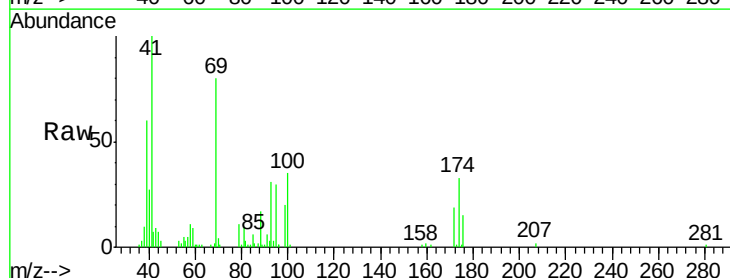
RT: 9.46 min Scan# 1282

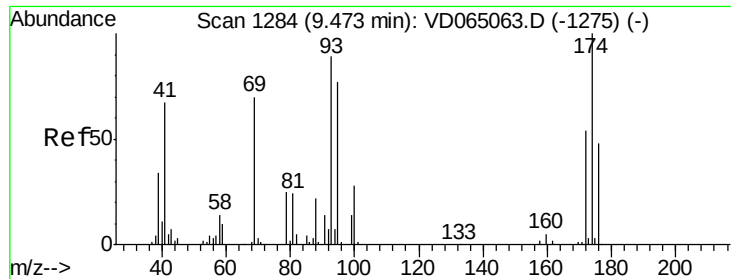
Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Tgt Ion:	41	Resp:	41861
Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.5	101.3
39	59.8	47.0	70.4





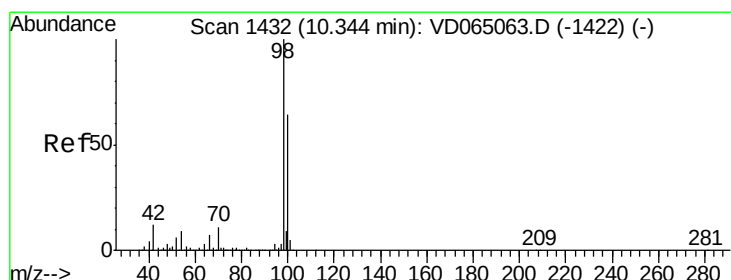
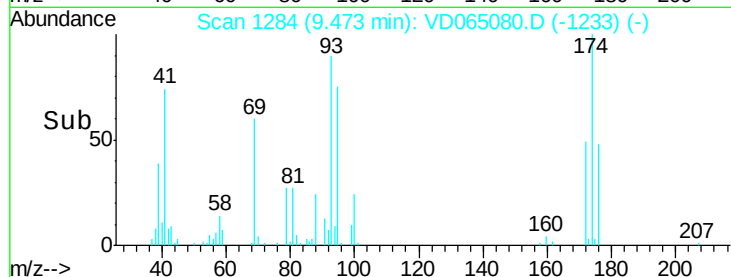
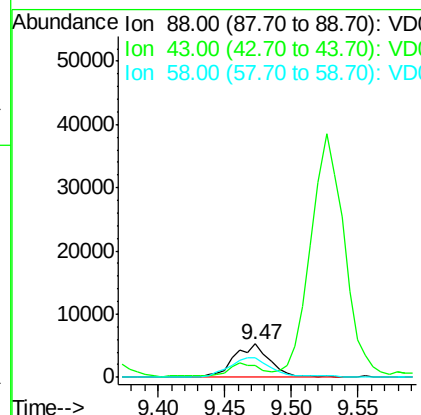
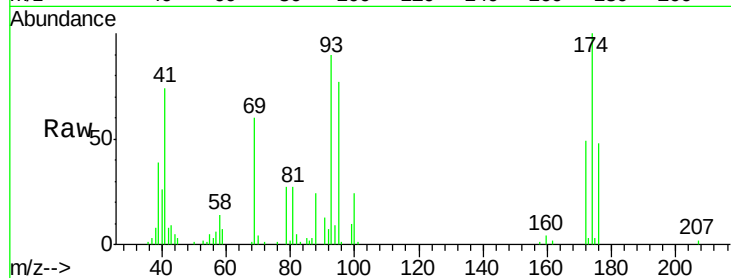
#49
1,4-Dioxane
Concen: 366.699 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	88	Resp	9888
Ion	Ratio	Lower	Upper
88	100		
43	31.3	27.7	41.5
58	69.2	55.5	83.3

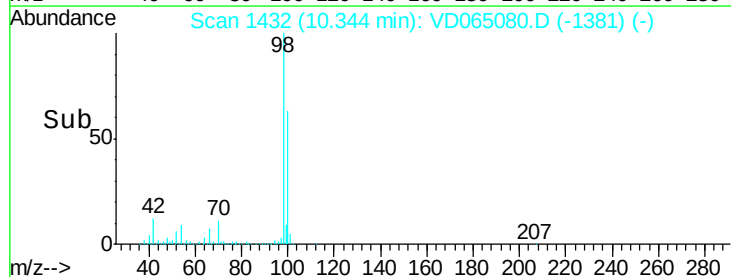
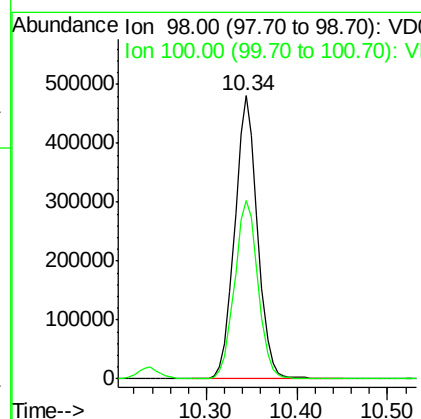
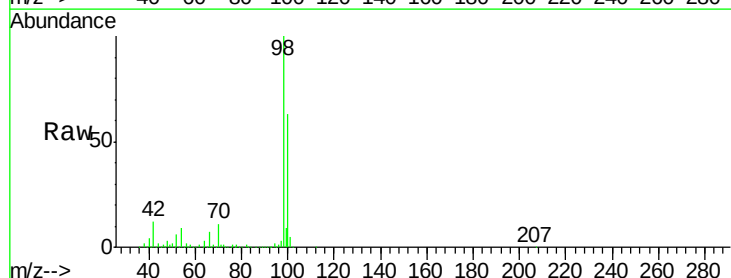
Manual Integrations
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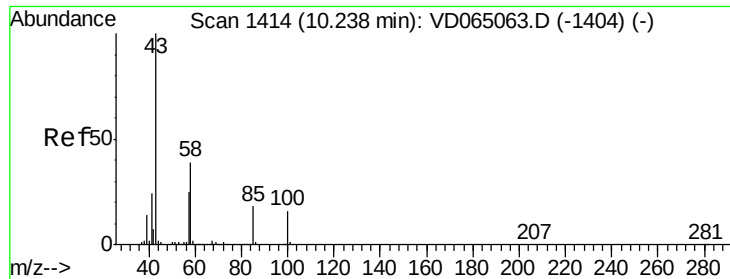
MMDadoda
2/7/2020 12:05:33 PM



#50
Toluene-d8
Concen: 53.834 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	98	Resp	841331
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





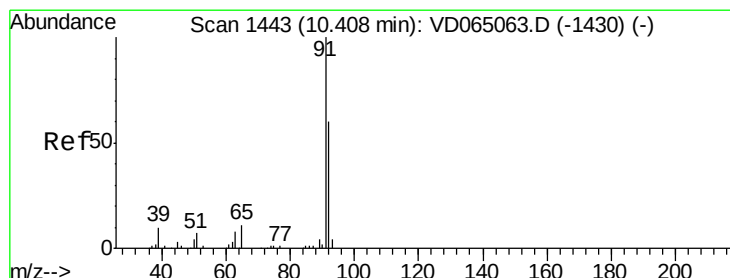
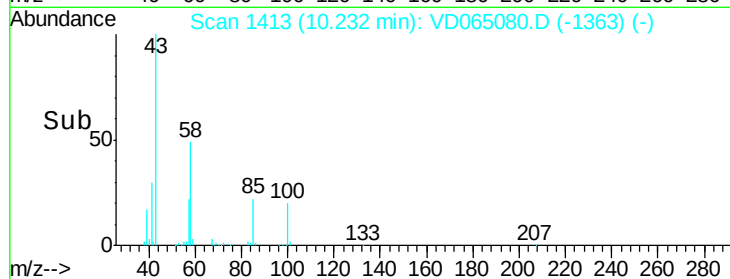
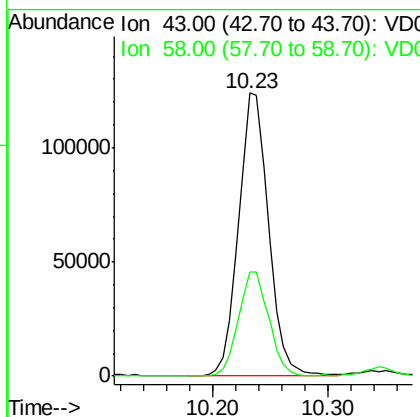
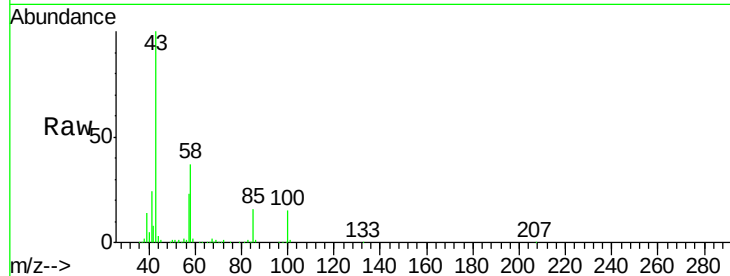
#51
4-Methyl-2-Pentanone
Concen: 89.136 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.2	45.2

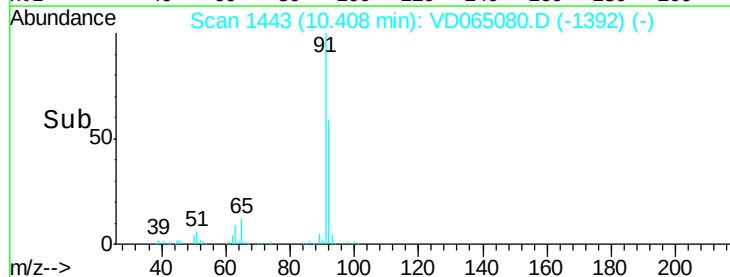
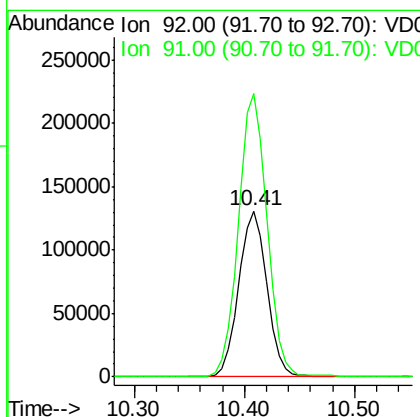
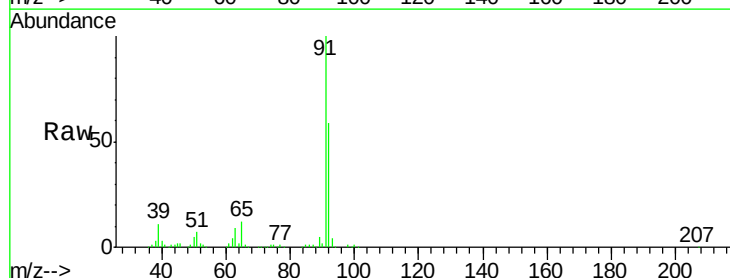
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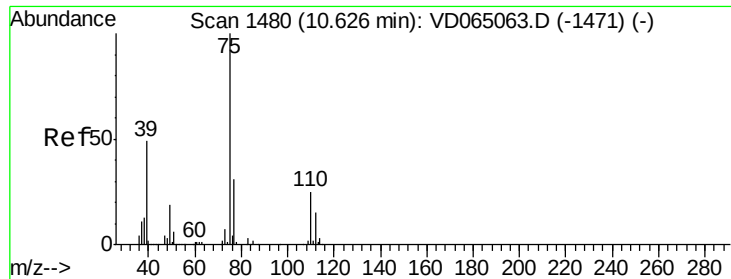
MMDadoda
2/7/2020 12:05:33 PM



#52
Toluene
Concen: 20.449 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	135.3	202.9





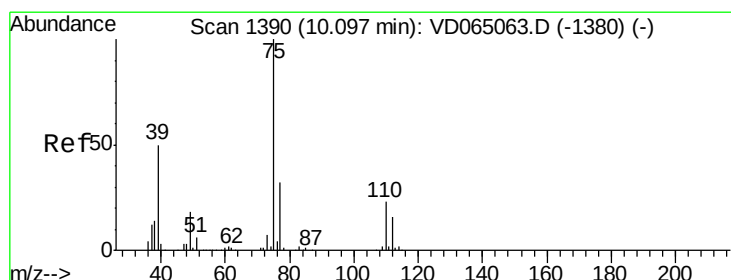
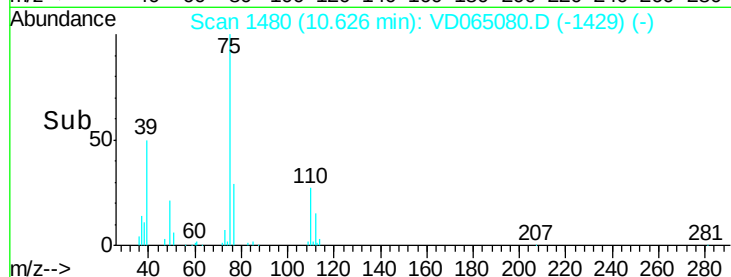
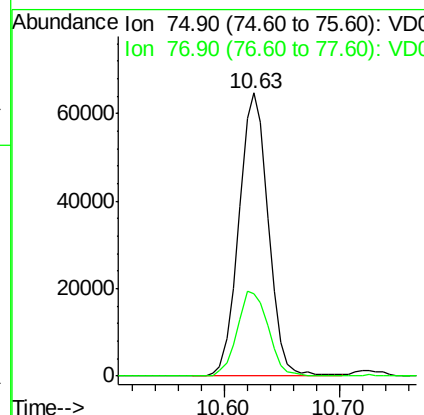
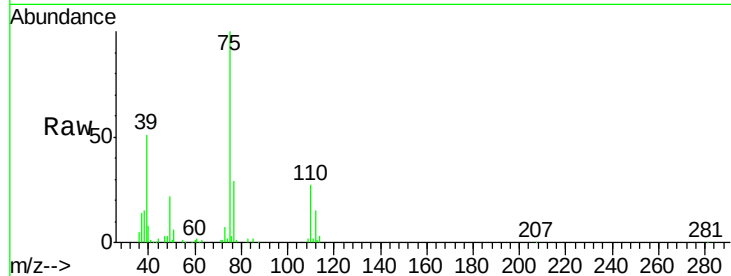
#53
 t-1,3-Dichloropropene
 Concen: 19.527 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.1	24.9	37.3

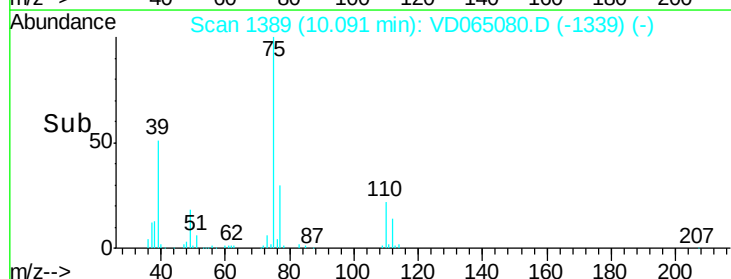
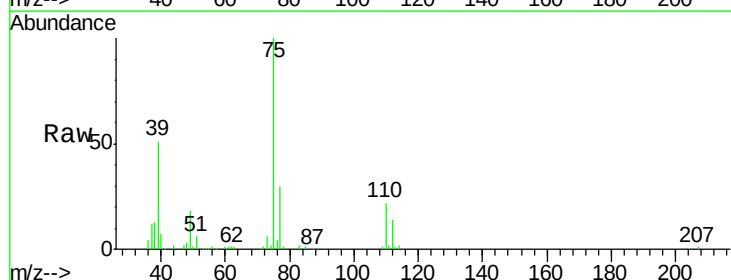
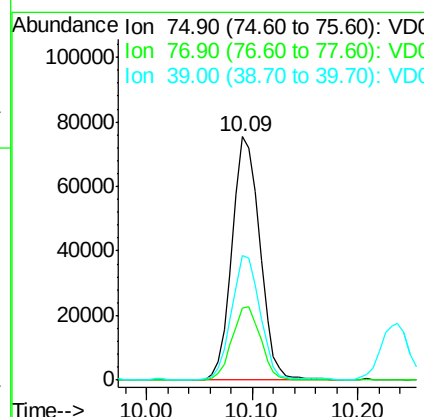
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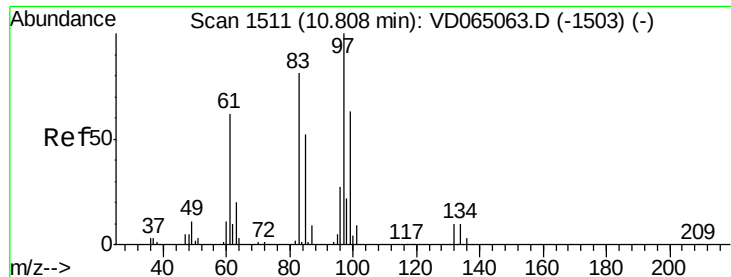
MMDadoda
 2/7/2020 12:05:33 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.759 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.3	37.9
39	51.4	40.3	60.5





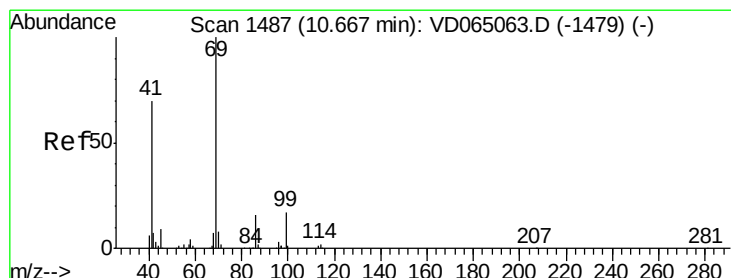
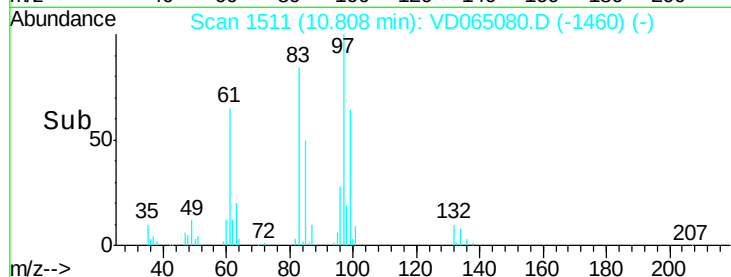
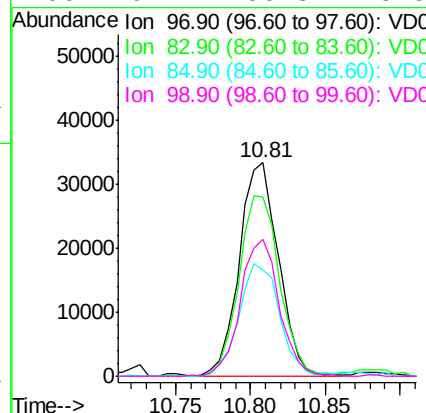
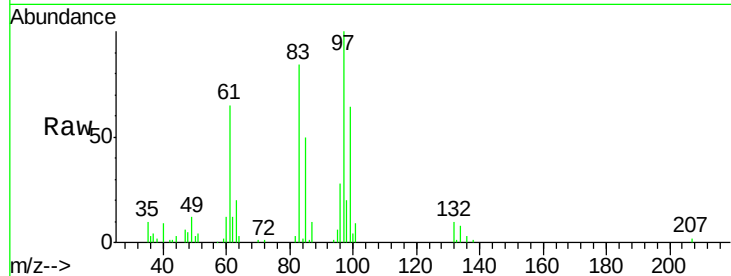
#55
 1,1,2-Trichloroethane
 Concen: 19.481 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		60835		
83	83.7	64.8	97.2		
85	49.9	41.2	61.8		
99	64.2	50.3	75.5		

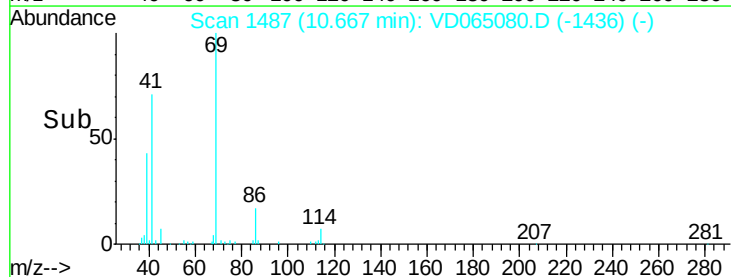
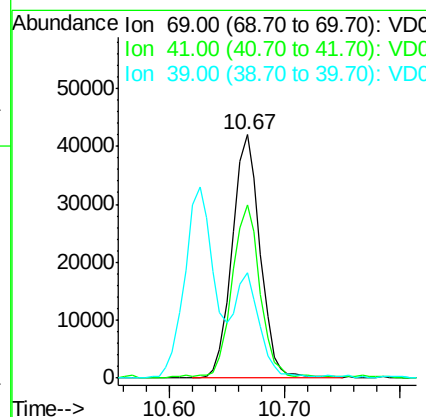
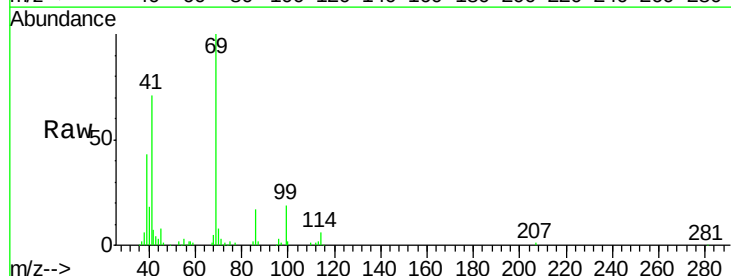
Manual Integrations
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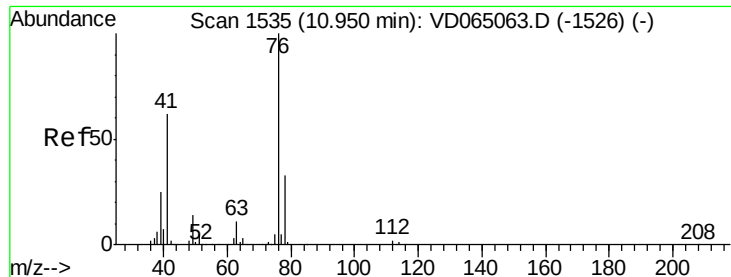
MMDadoda
 2/7/2020 12:05:33 PM



#56
 Ethyl methacrylate
 Concen: 17.805 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70349		
41	73.2	55.9	83.9		
39	37.7	29.4	44.0		





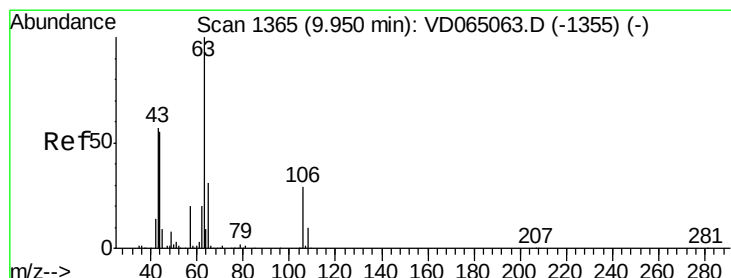
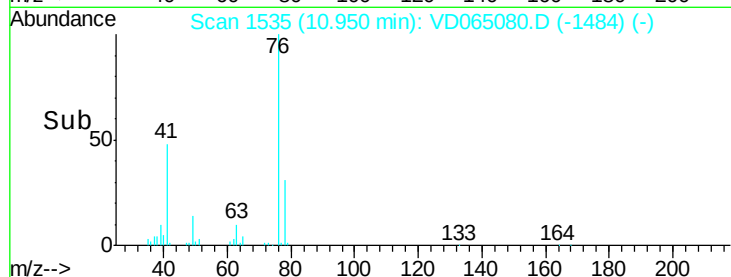
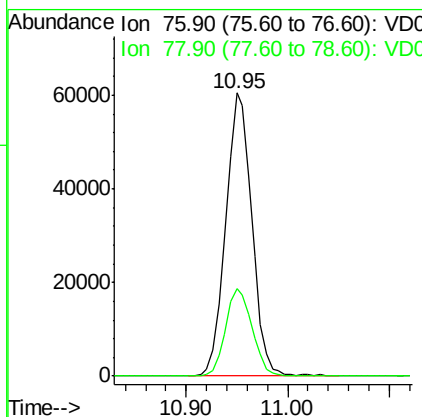
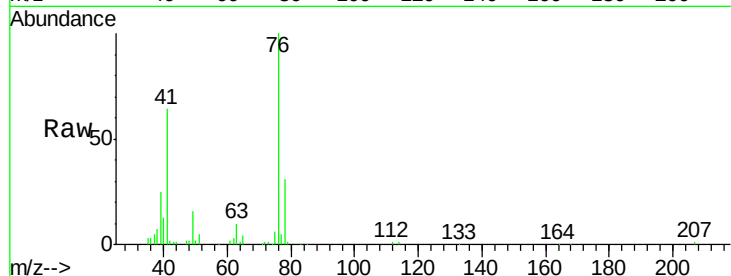
#57
 1,3-Dichloropropane
 Concen: 19.672 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion: 76 Resp: 108022
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.6

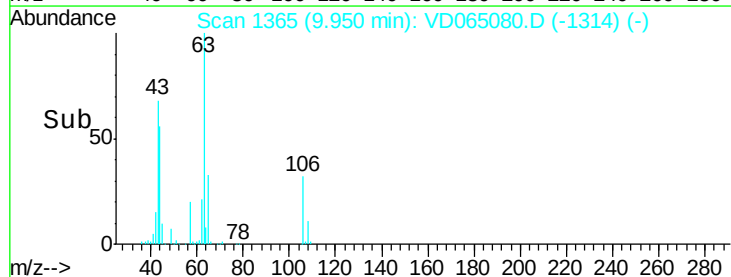
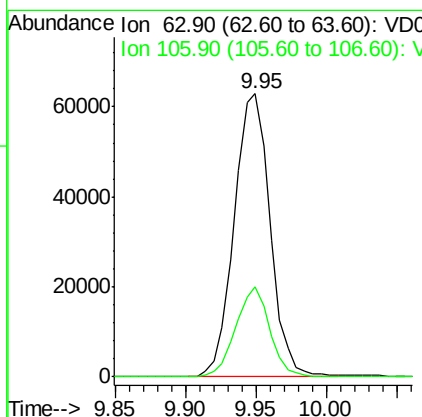
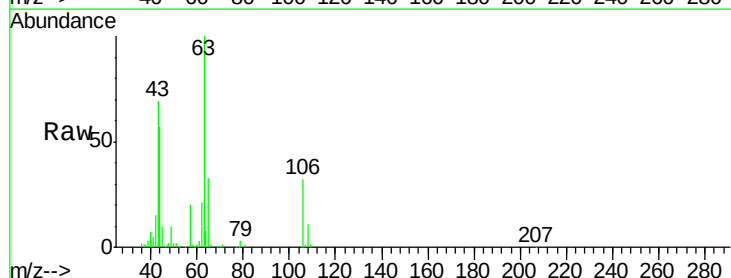
Manual Integrations
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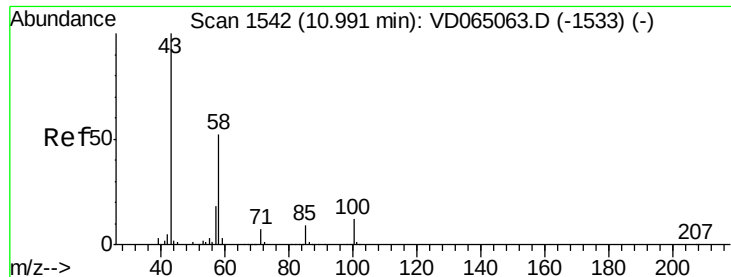
MMDadoda
 2/7/2020 12:05:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 74.410 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion: 63 Resp: 112034
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.3 34.9





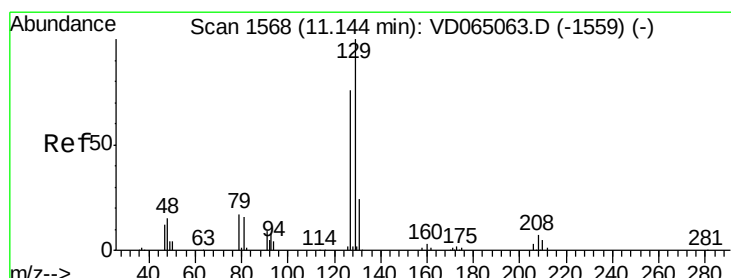
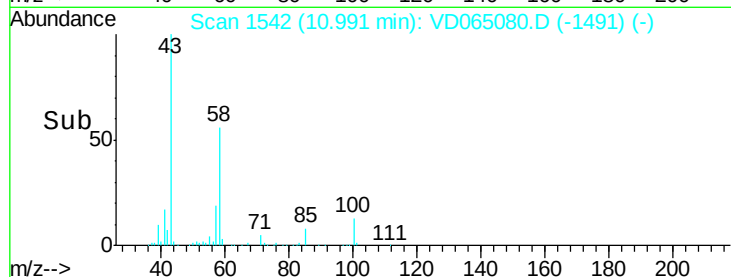
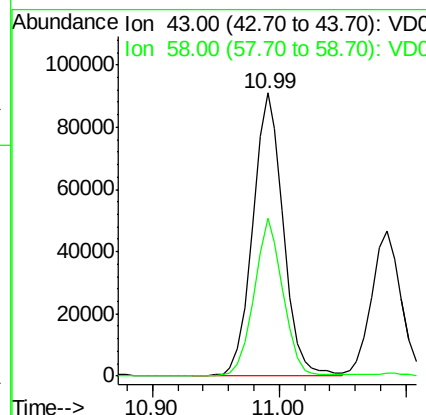
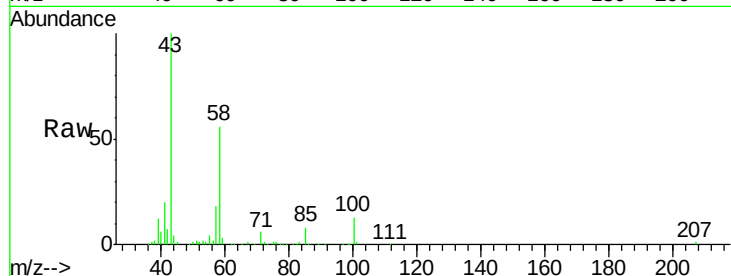
#59
2-Hexanone
Concen: 85.343 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	43	Resp	152161
Ion Ratio	43	100	
Lower	58	52.8	26.2
Upper			78.6

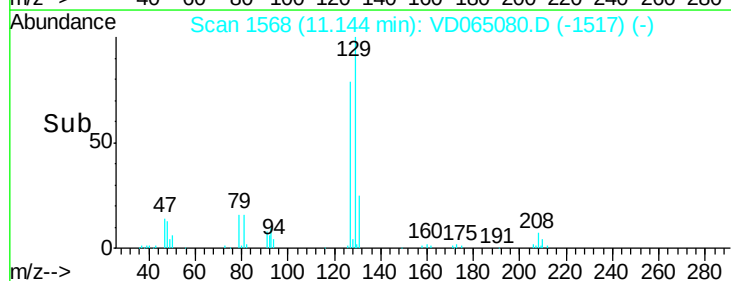
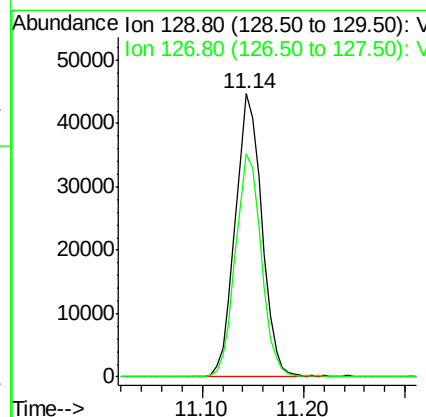
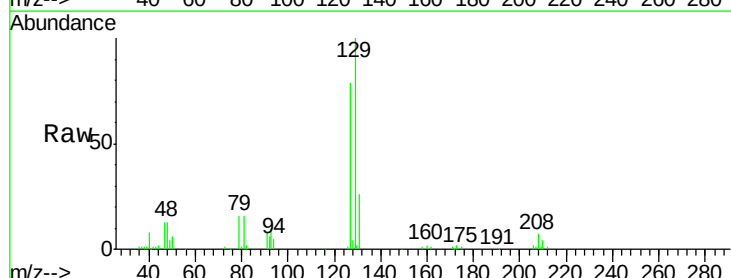
Manual Integrations
APPROVED

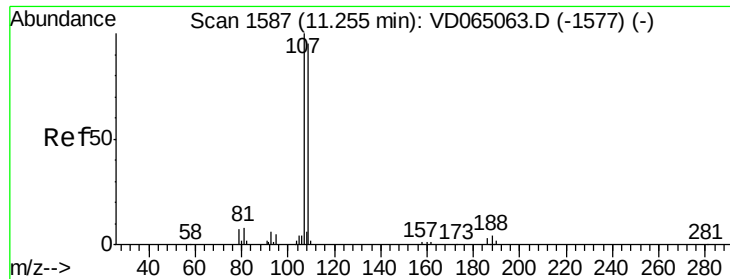
MMDadoda
2/7/2020 12:05:33 PM



#60
Dibromochloromethane
Concen: 20.265 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	129	Resp	81964
Ion Ratio	129	100	
Lower	127	76.2	38.3
Upper			114.9





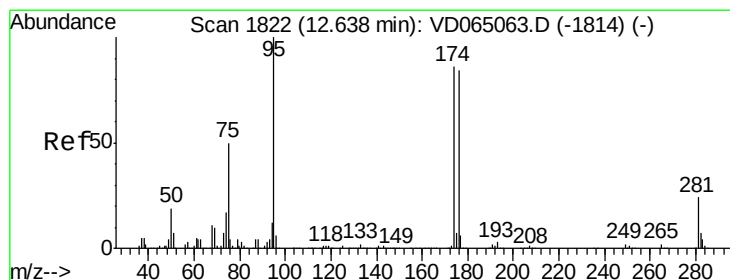
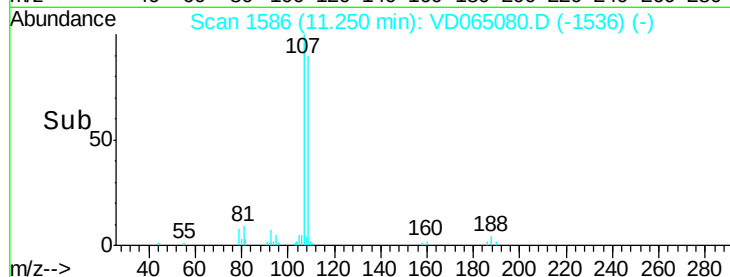
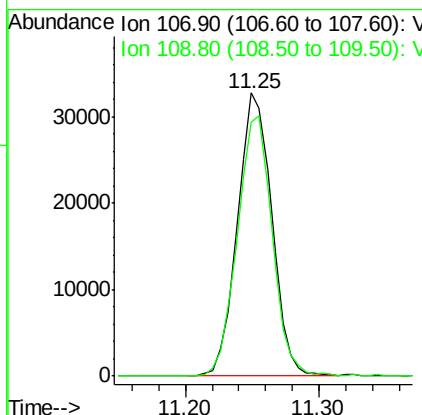
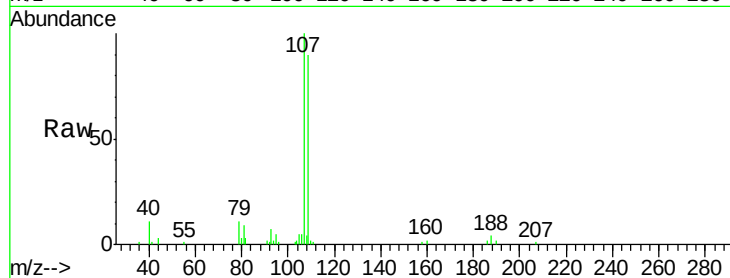
#61
 1,2-Dibromoethane
 Concen: 19.139 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.5	113.3

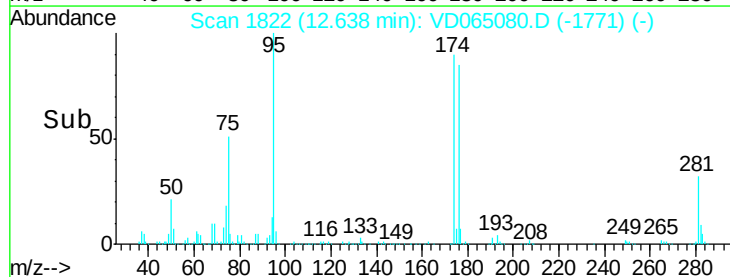
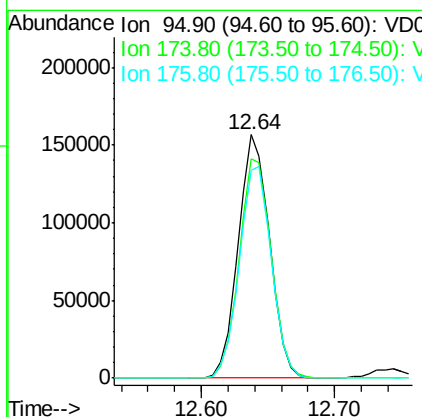
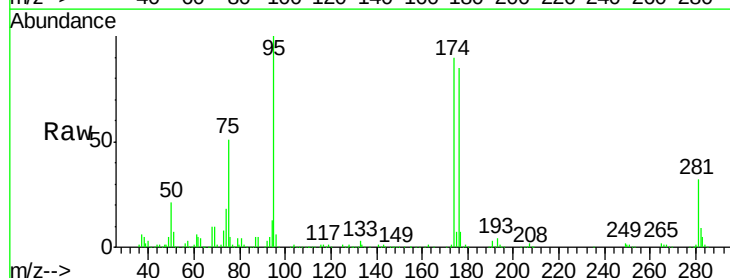
Manual Integrations
 APPROVED

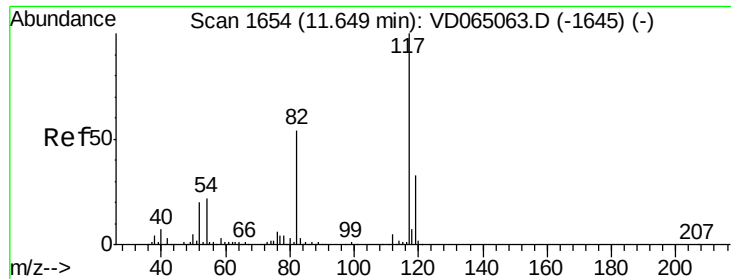
MMDadoda
 2/7/2020 12:05:33 PM



#62
 4-Bromofluorobenzene
 Concen: 51.357 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	180.0
176	88.6	0.0	173.2





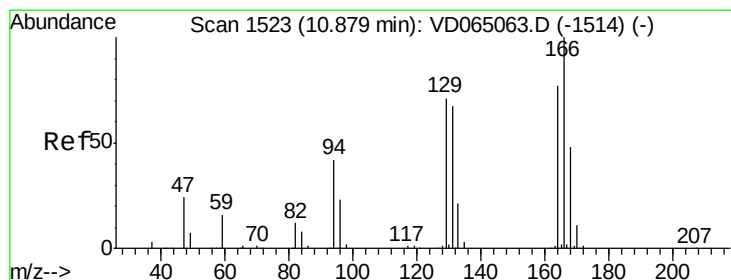
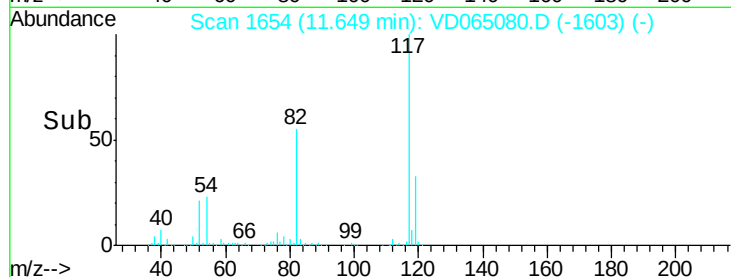
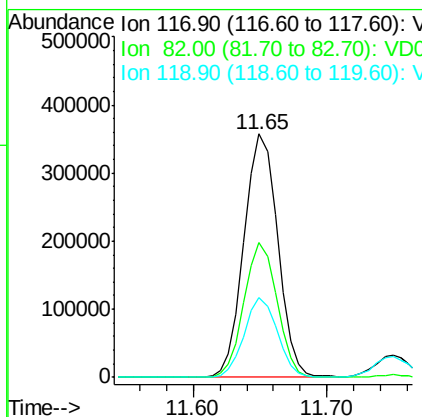
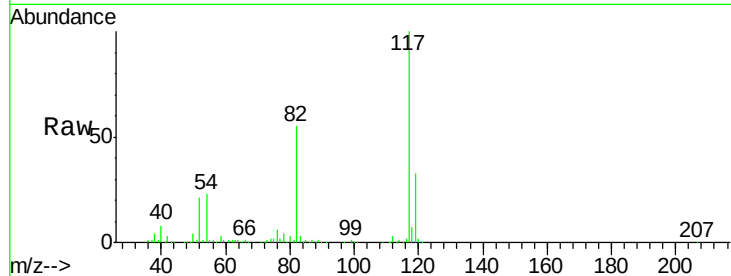
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	626855		
82	55.1	43.1	64.7	
119	33.0	26.0	39.0	

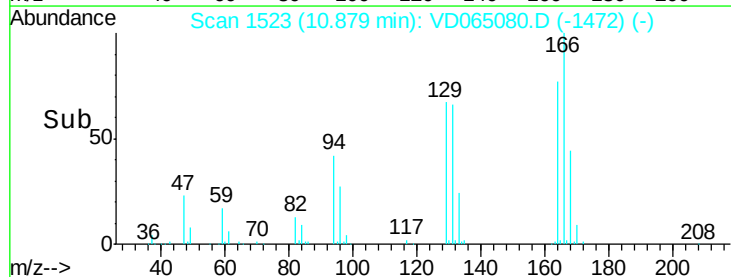
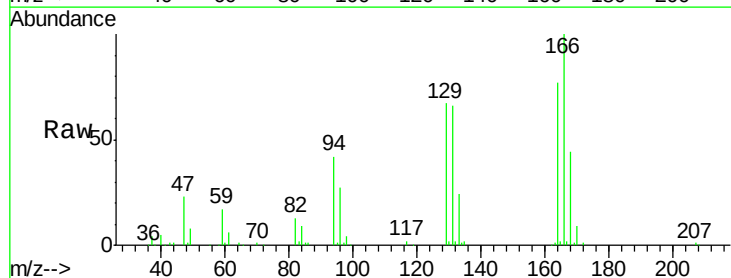
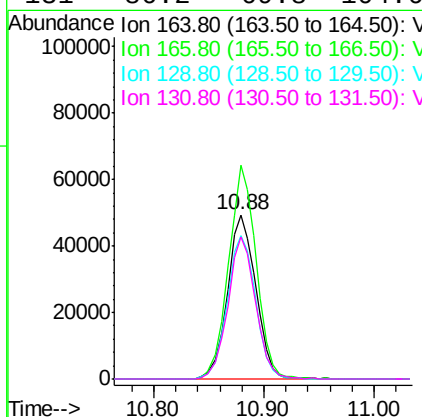
Manual Integrations
APPROVED

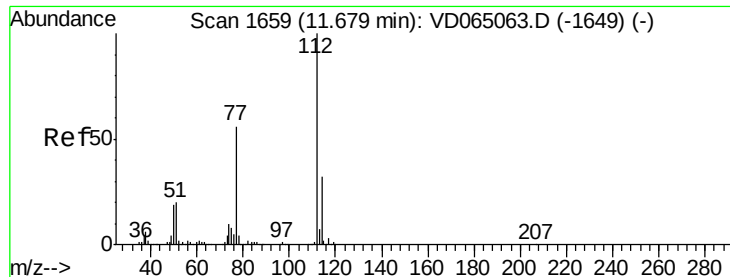
MMDadoda
2/7/2020 12:05:33 PM



#64
Tetrachloroethene
Concen: 19.657 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88540		
166	130.0	103.5	155.3	
129	87.0	73.3	109.9	
131	86.2	69.8	104.6	





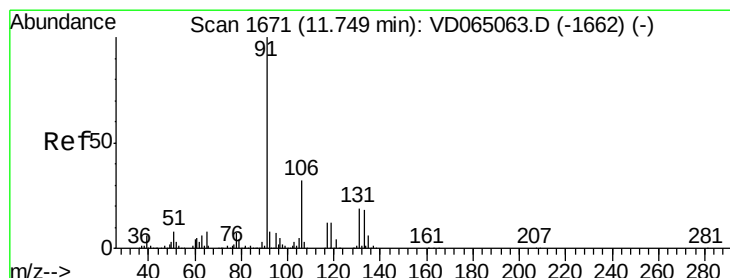
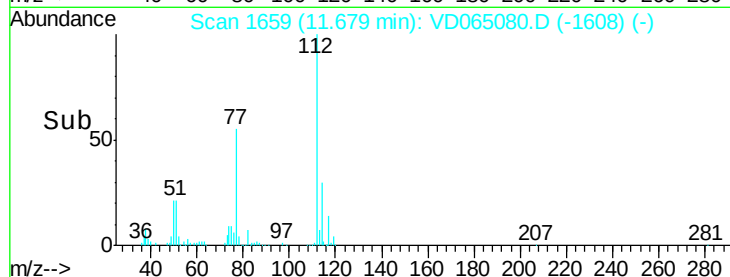
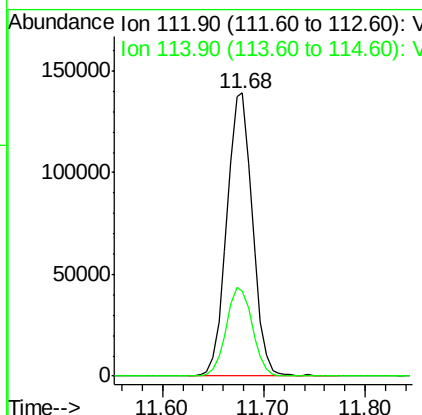
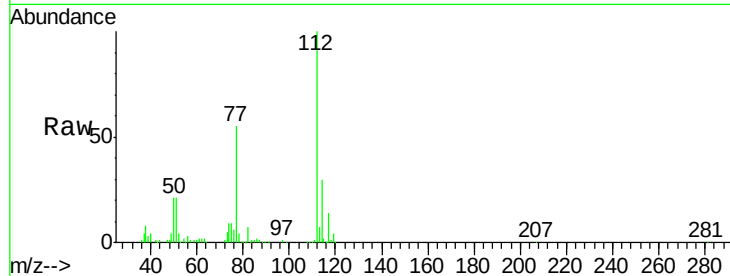
#65
Chlorobenzene
Concen: 20.184 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.1	25.4	38.0

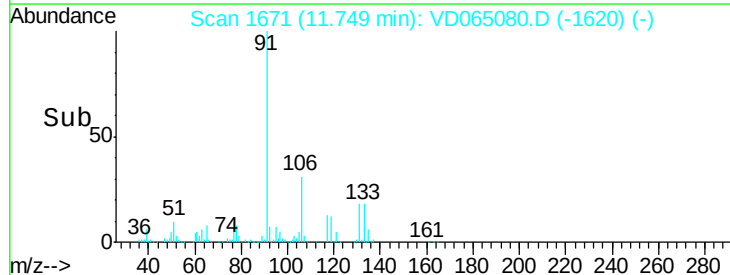
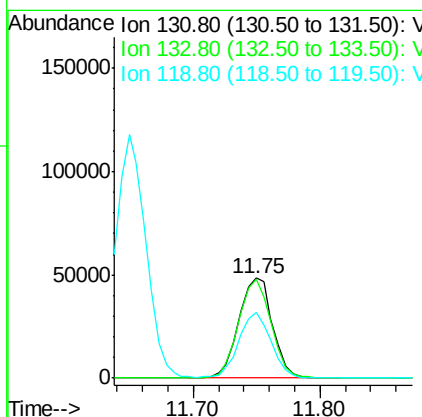
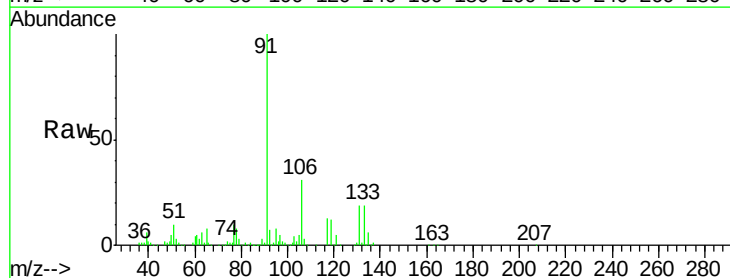
Manual Integrations
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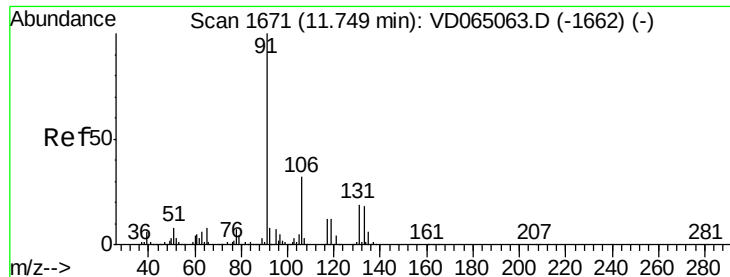
MMDadoda
2/7/2020 12:05:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.928 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.7	143.1
119	63.6	31.3	93.8





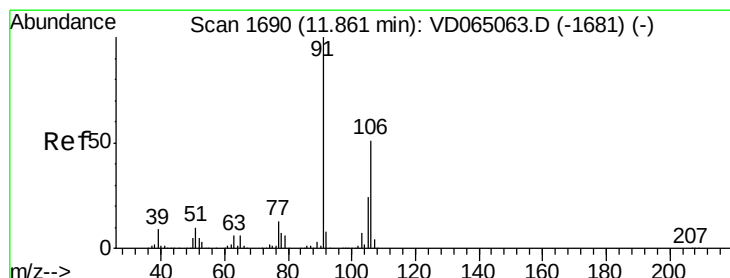
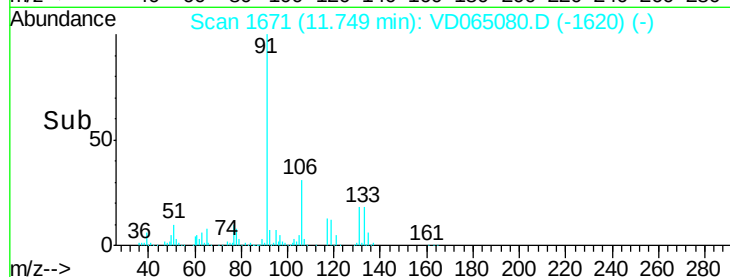
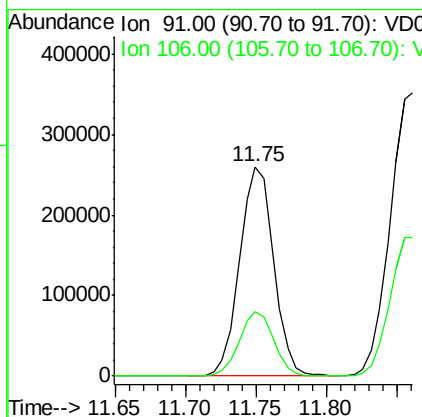
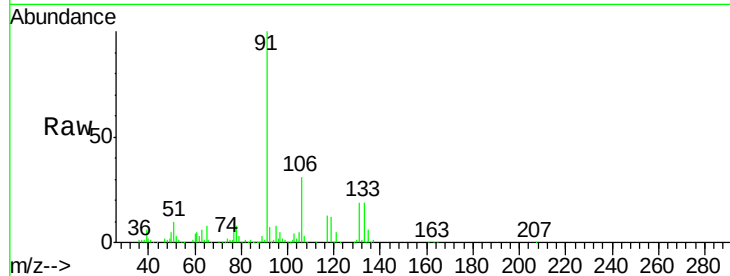
#67
Ethyl Benzene
Concen: 19.947 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion: 91 Resp: 439382
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2

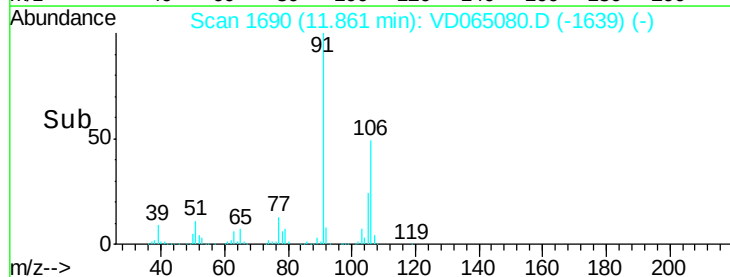
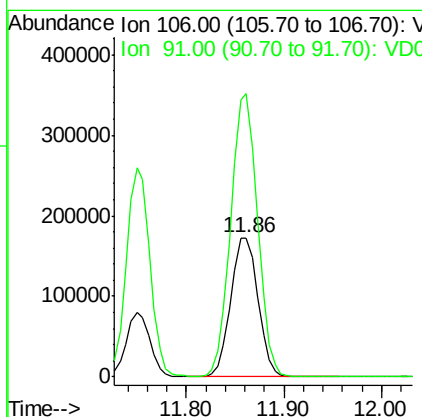
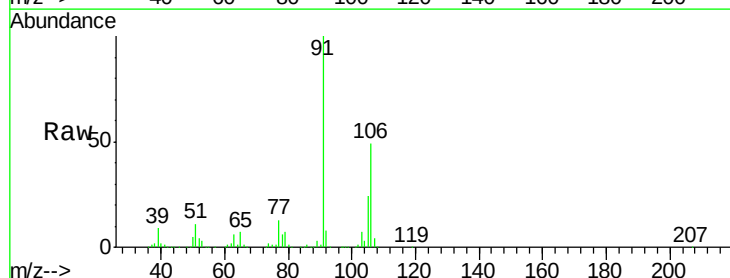
Manual Integrations
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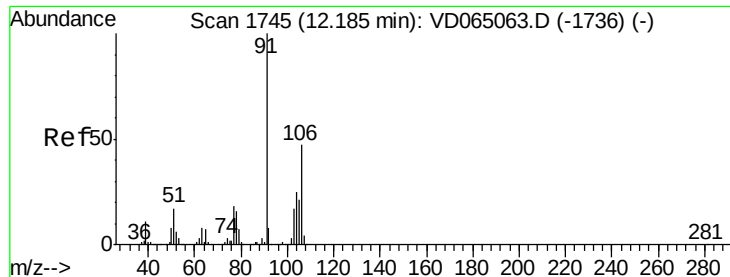
MMDadoda
2/7/2020 12:05:33 PM



#68
m/p-Xylenes
Concen: 39.967 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion: 106 Resp: 336017
Ion Ratio Lower Upper
106 100
91 199.4 158.9 238.3





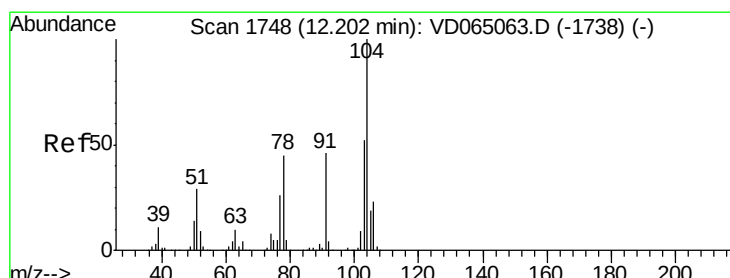
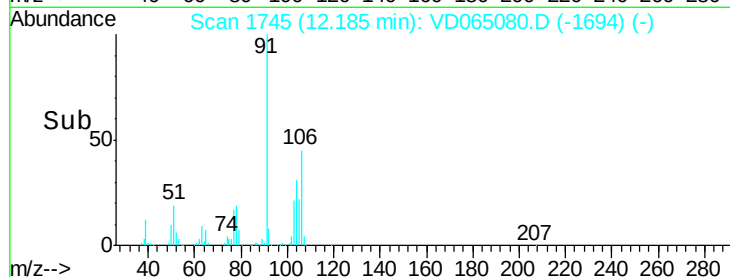
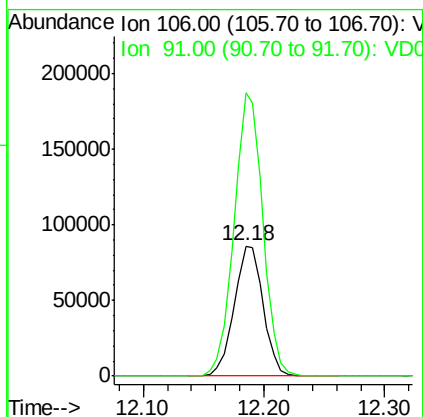
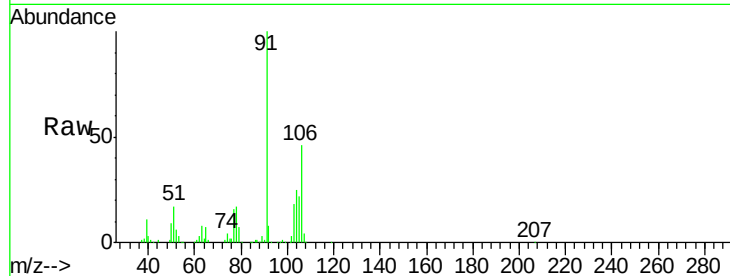
#69
o-Xylene
Concen: 18.982 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	216.4	104.7	313.9

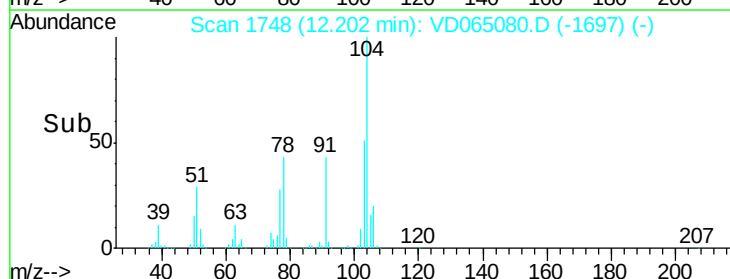
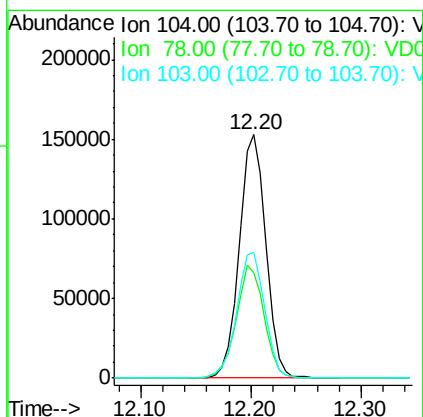
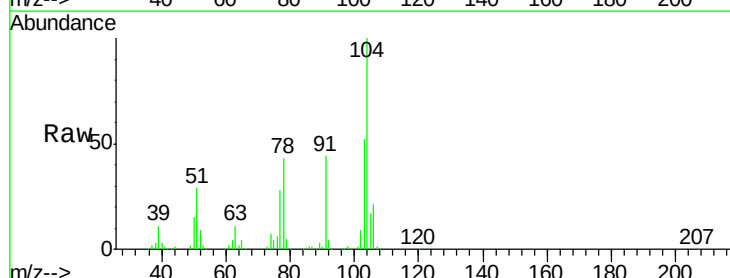
Manual Integrations
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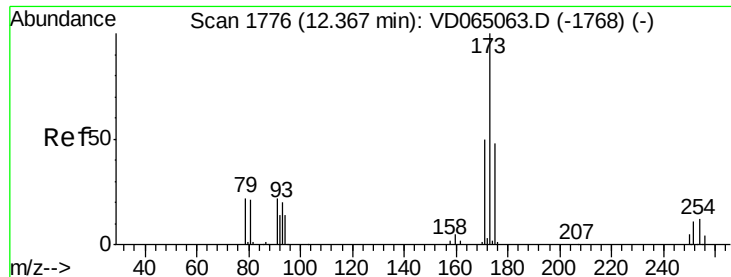
MMDadoda
2/7/2020 12:05:33 PM



#70
Styrene
Concen: 19.694 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	48.5	38.5	57.7
103	103	54.5	43.8	65.8





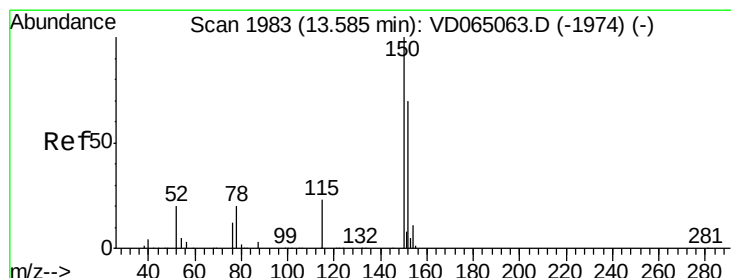
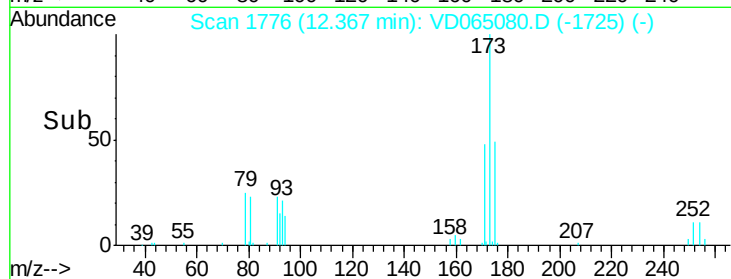
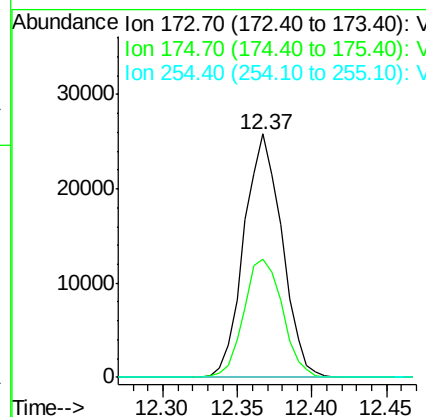
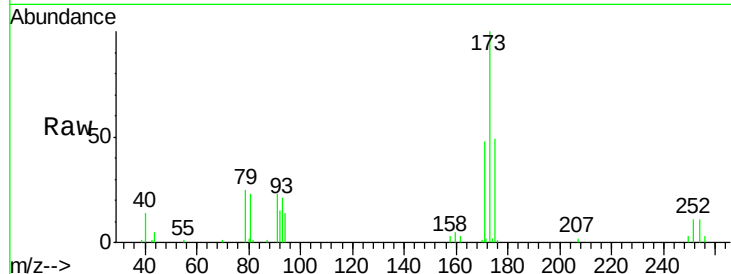
#71
Bromoform
Concen: 18.933 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.0	0.1	0.1#

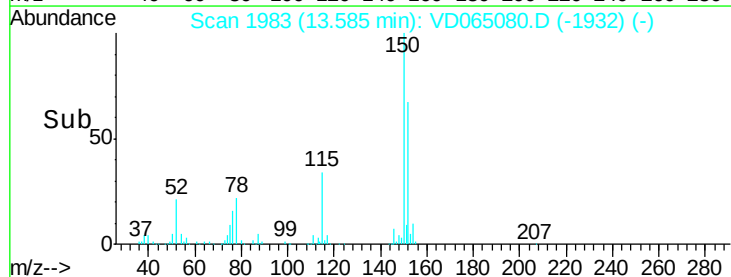
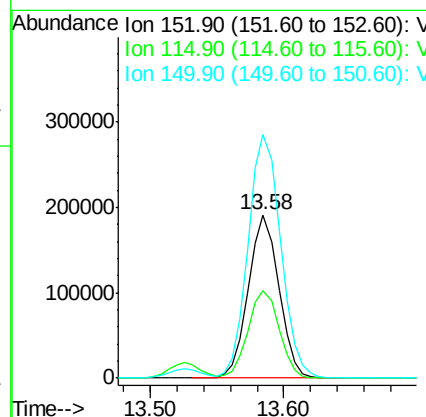
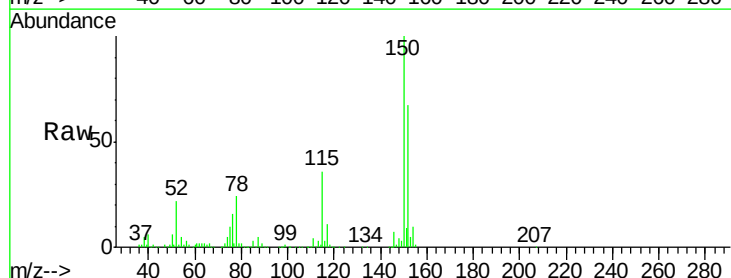
Manual Integrations
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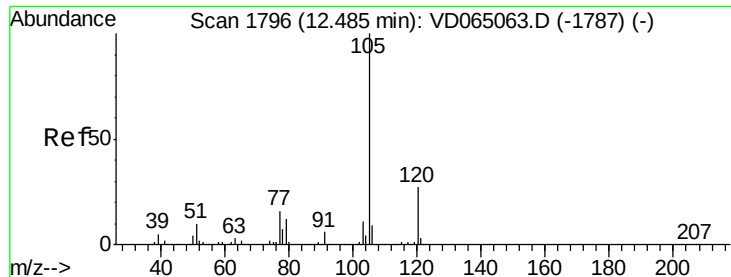
MMDadoda
2/7/2020 12:05:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.5	82.4
150	159.7	0.0	343.2





#73

Isopropylbenzene

Concen: 19.622 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion:105 Resp: 405170

Ion Ratio Lower Upper

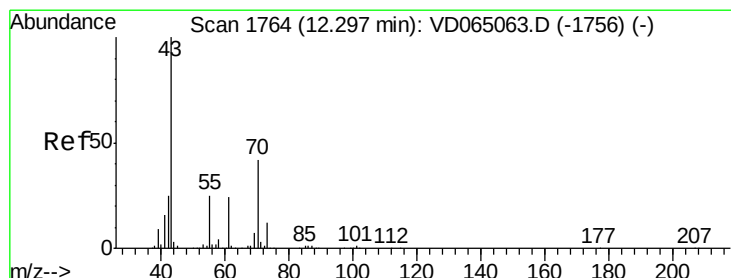
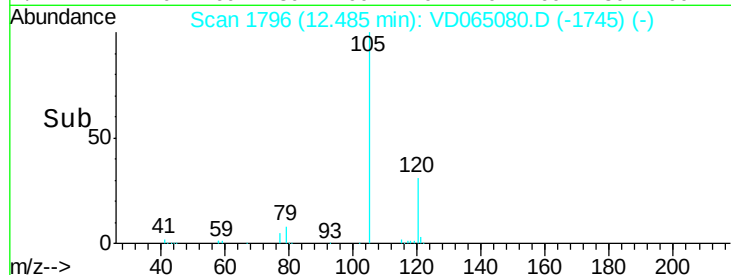
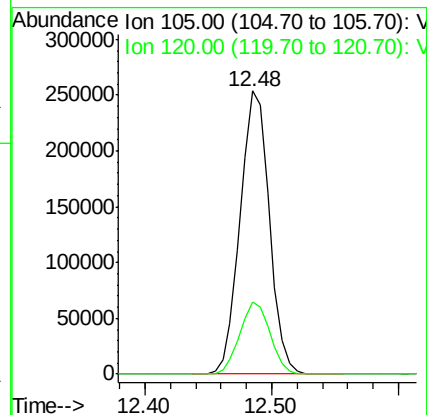
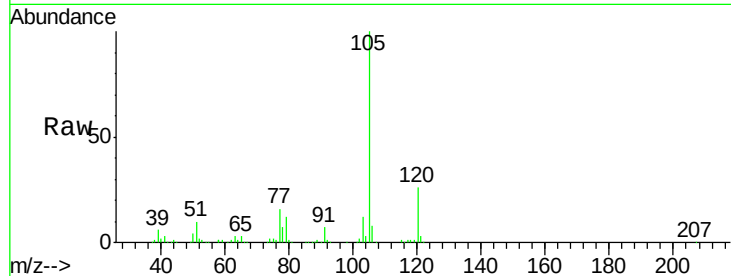
105 100

120 26.3 13.3 39.9

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#74

N-ethyl acetate

Concen: 17.650 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Tgt Ion: 43 Resp: 79212

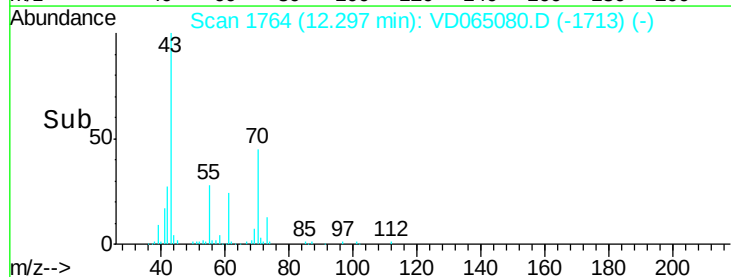
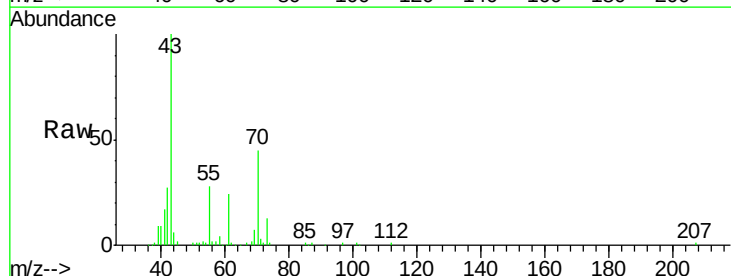
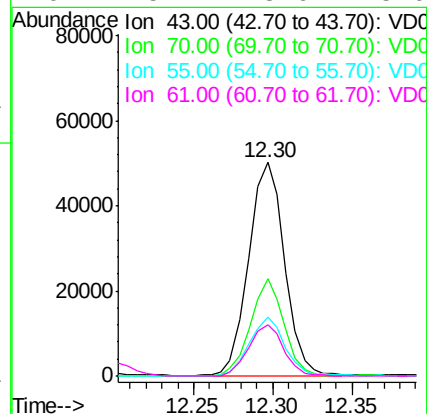
Ion Ratio Lower Upper

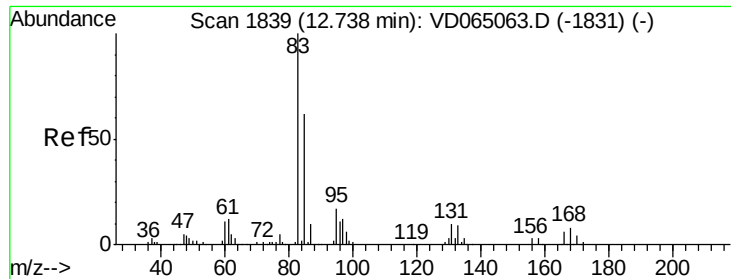
43 100

70 41.9 33.5 50.3

55 27.4 19.4 29.2

61 23.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.445 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

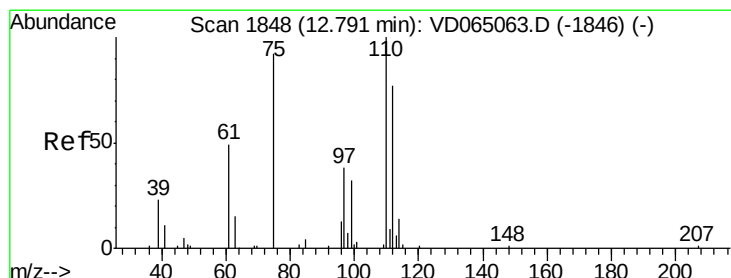
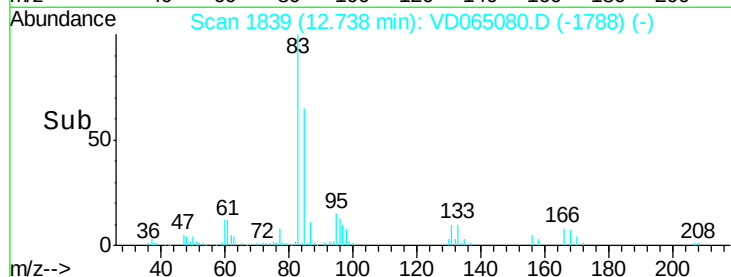
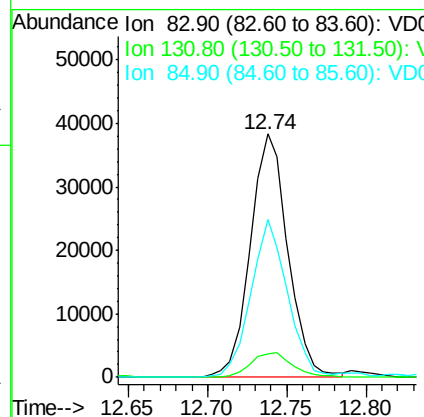
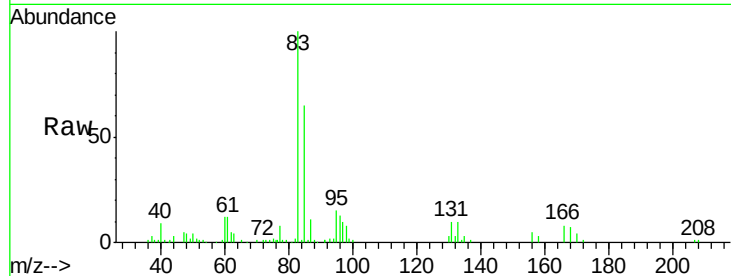
ClientSampleId :

VD0206SBS01

Tot Ion:	83	Resp:	63189
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	62.9	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 14.659 ug/l m

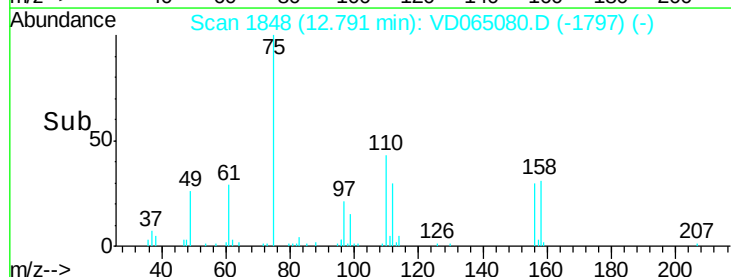
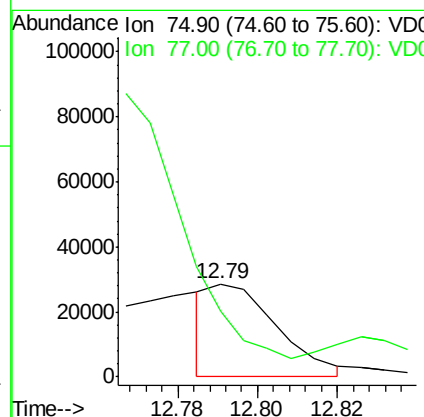
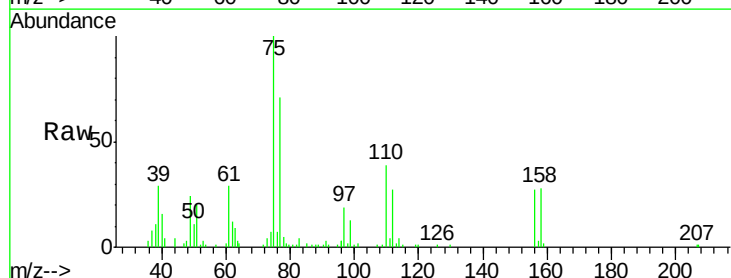
RT: 12.79 min Scan# 1848

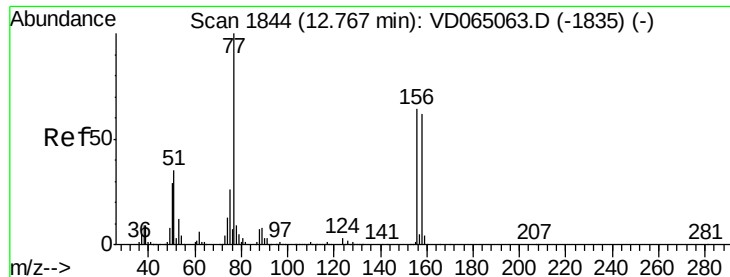
Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Tgt Ion:	75	Resp:	33388
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.035 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

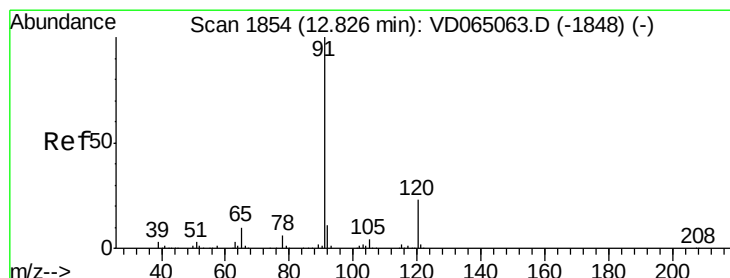
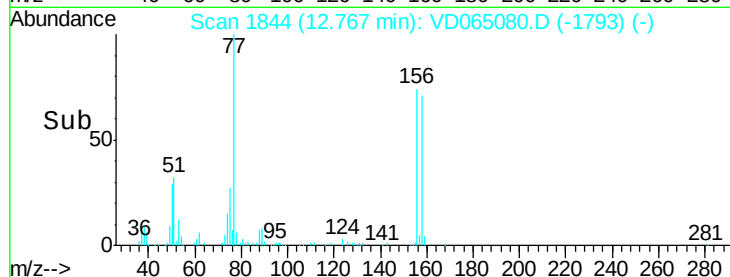
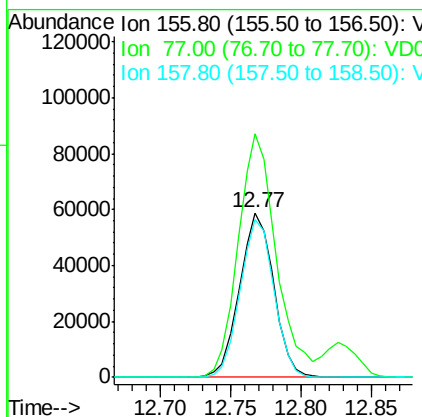
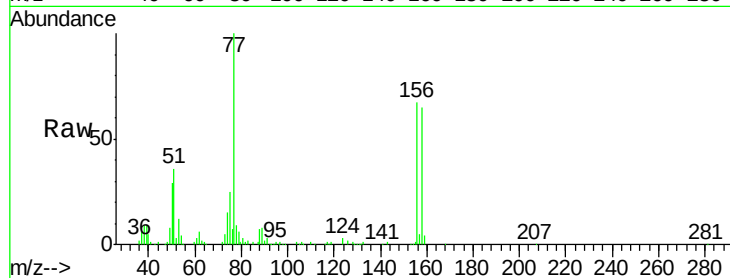
ClientSampleId :

VD0206SBS01

Tot Ion:	156	Resp:	99672
Ion Ratio	Lower	Upper	
156	100		
77	164.5	85.6	256.8
158	95.2	47.4	142.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.211 ug/l

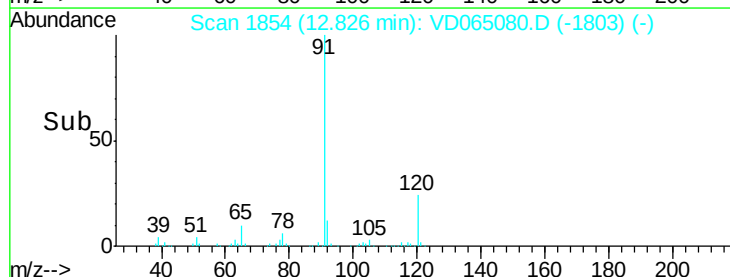
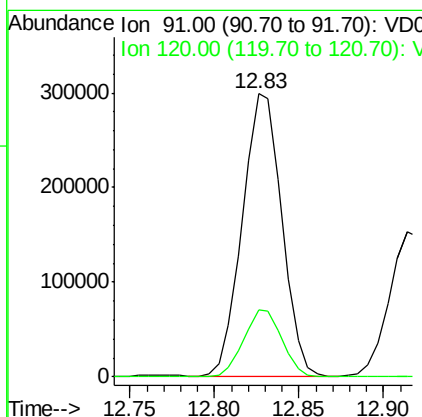
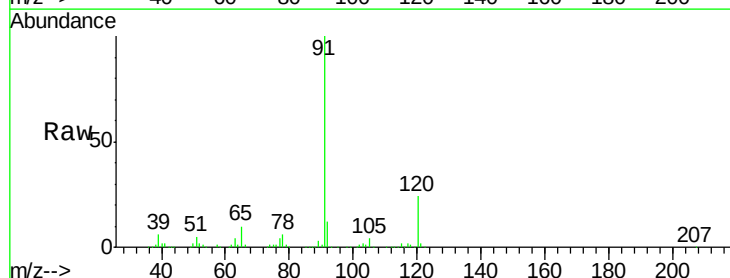
RT: 12.83 min Scan# 1854

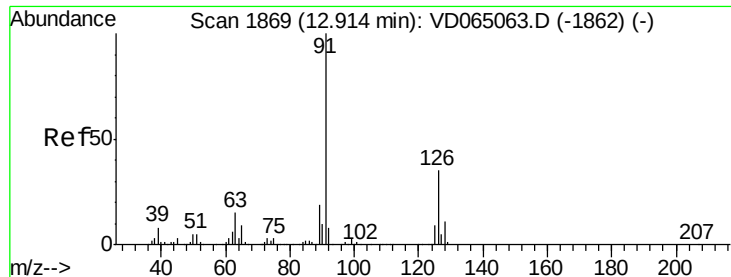
Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Tgt Ion:	91	Resp:	488711
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.8	35.3





#79

2-Chlorotoluene

Concen: 19.633 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 91 Resp: 264626

Ion Ratio Lower Upper

91 100

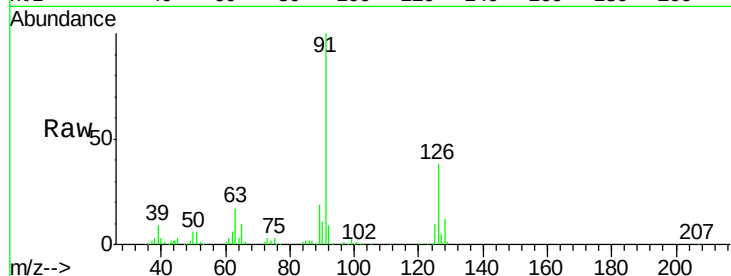
126 35.6 17.4 52.3

Manual Integrations

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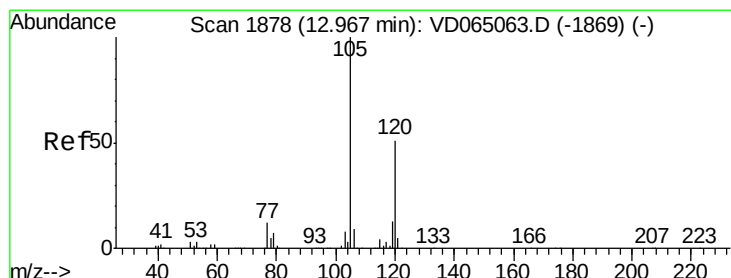
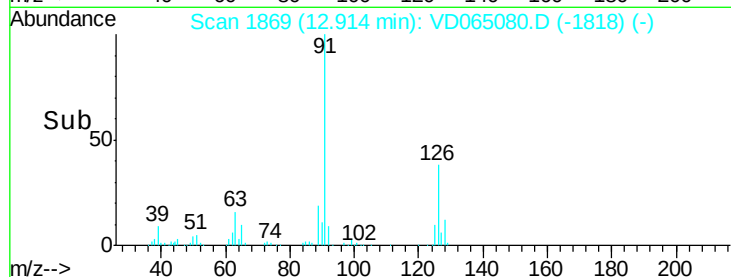
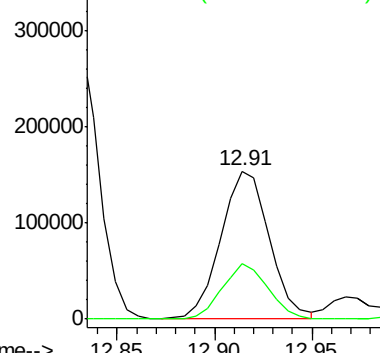
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.595 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065080.D

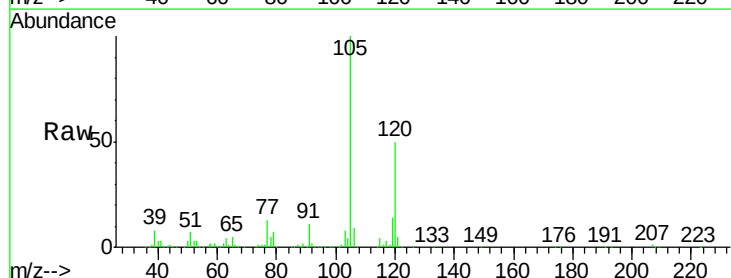
Acq: 06 Feb 2020 12:05

Tgt Ion: 105 Resp: 331008

Ion Ratio Lower Upper

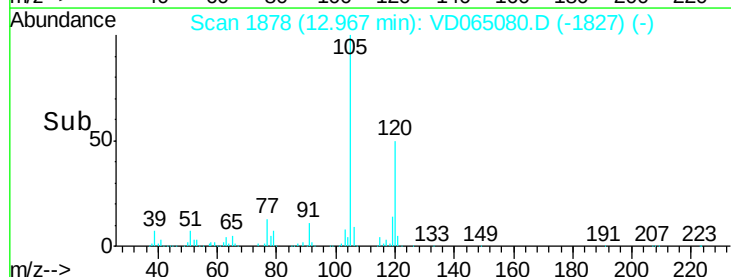
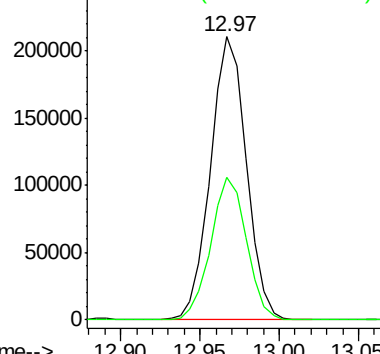
105 100

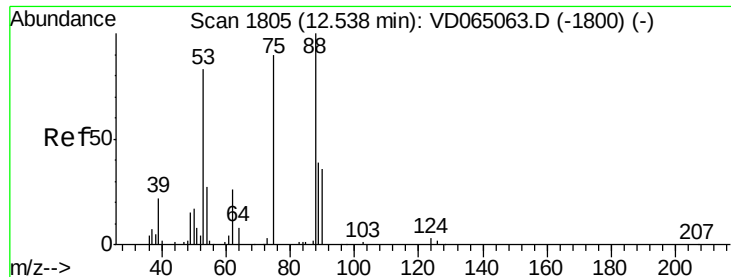
120 50.3 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.034 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 75 Resp: 20538

Ion Ratio Lower Upper

75 100

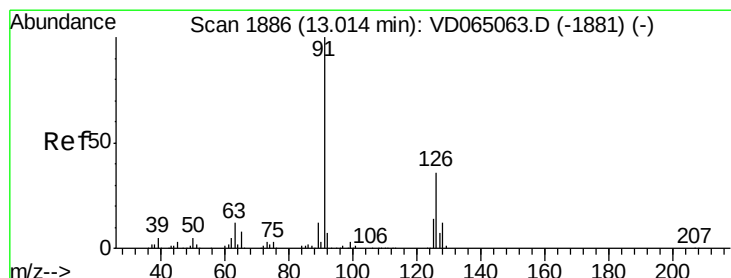
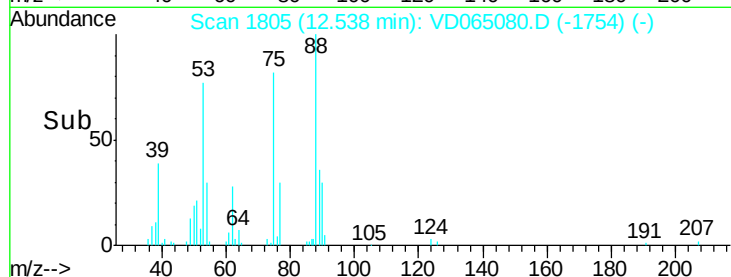
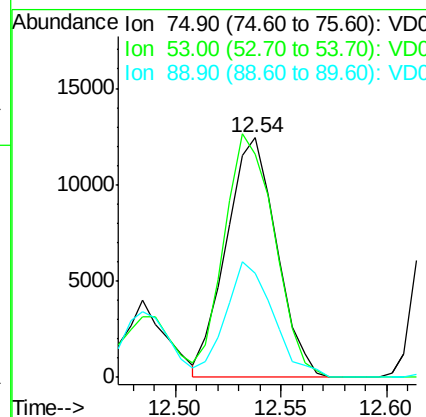
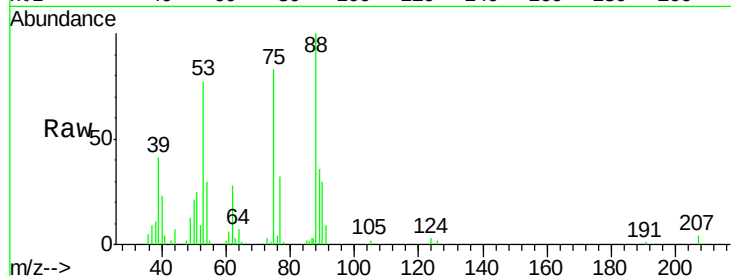
53 101.6 78.5 117.7

89 45.7 37.0 55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.965 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065080.D

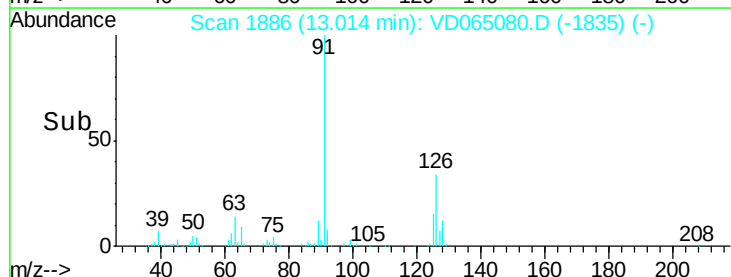
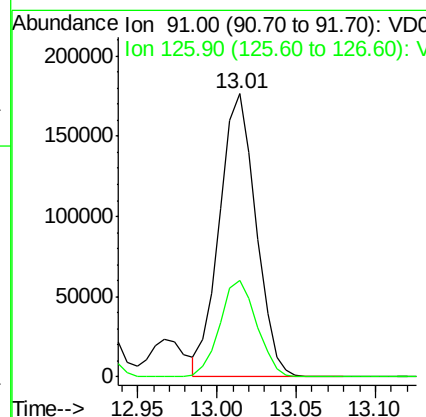
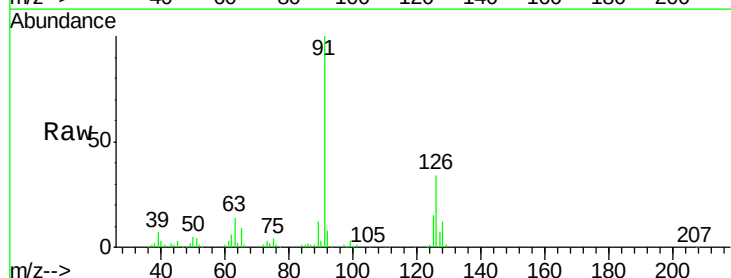
Acq: 06 Feb 2020 12:05

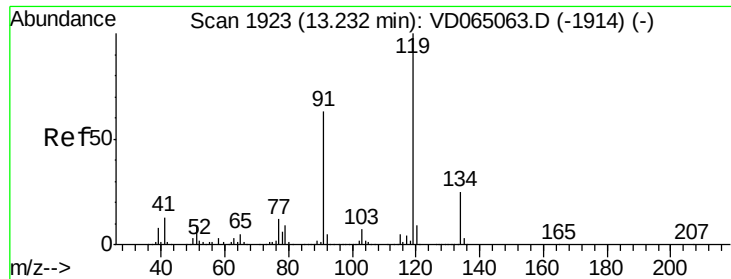
Tgt Ion: 91 Resp: 282620

Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.5





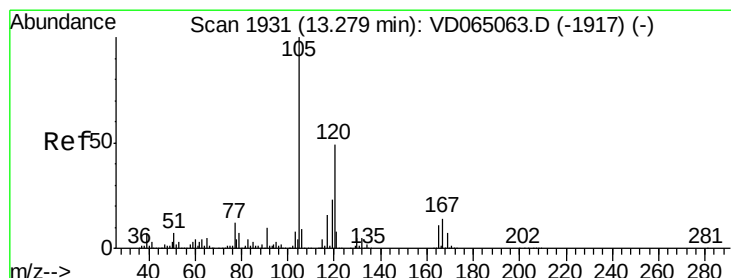
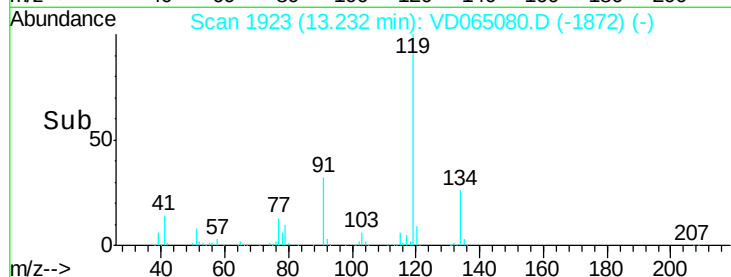
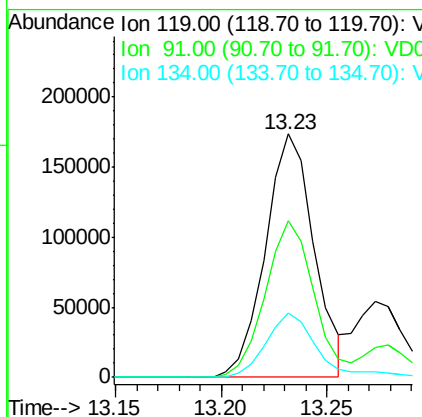
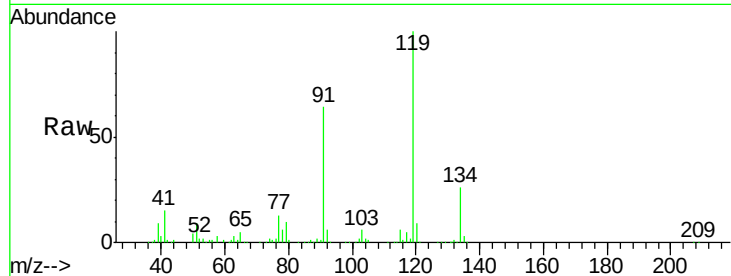
#83
 tert-Butylbenzene
 Concen: 19.109 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.3	96.9
134	27.9	13.8	41.3

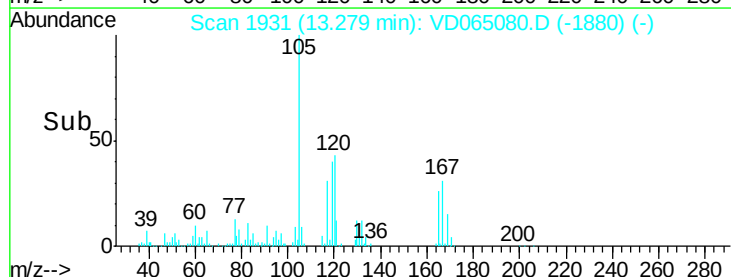
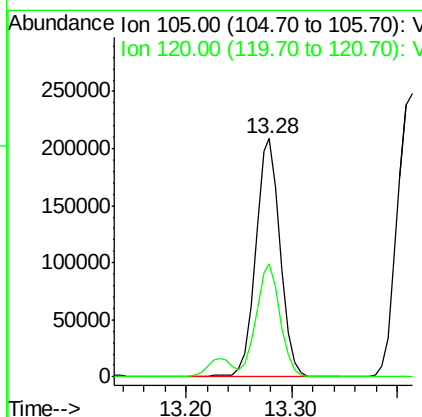
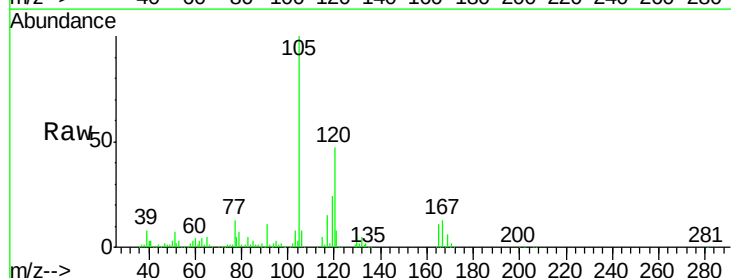
Manual Integrations
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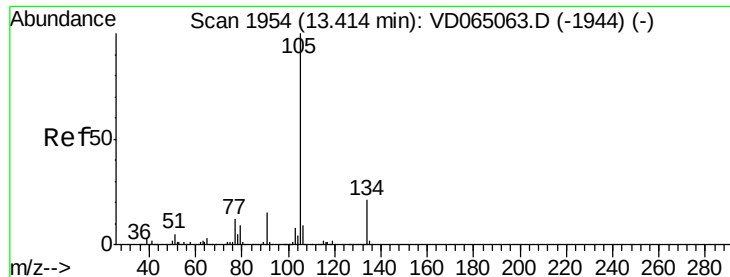
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 2/7/2020 12:05:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.035 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5





#85

sec-Butylbenzene

Concen: 19.829 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion:105 Resp: 394688

Ion Ratio Lower Upper

105 100

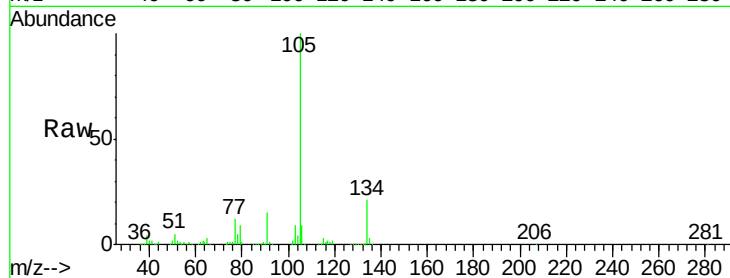
134 20.6 10.4 31.1

Manual Integrations

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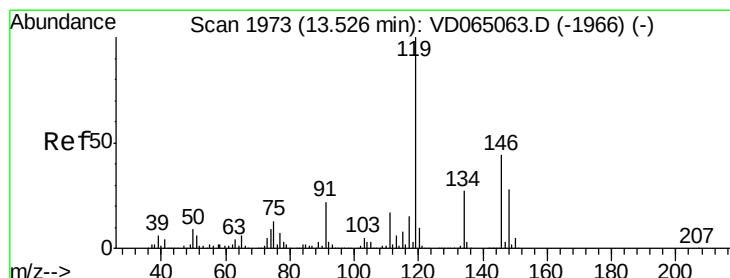
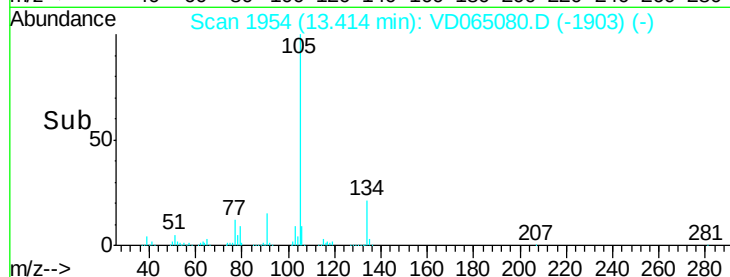
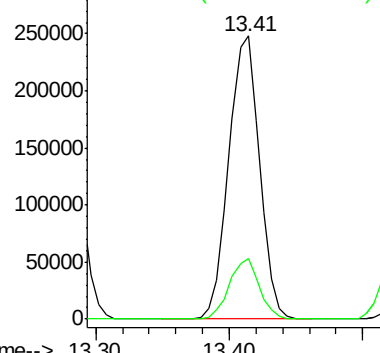
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.763 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

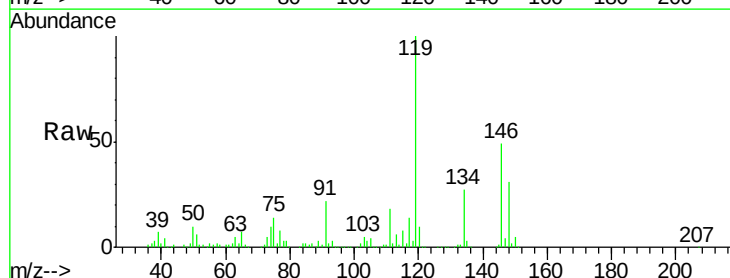
Tgt Ion:119 Resp: 365492

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

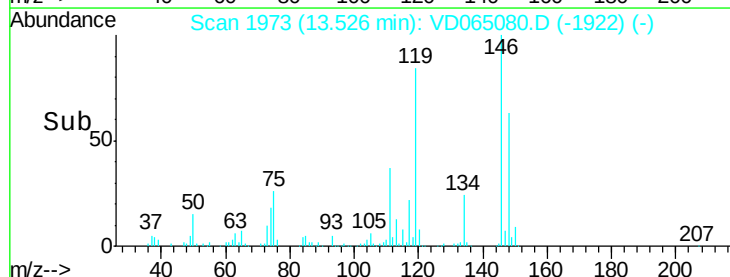
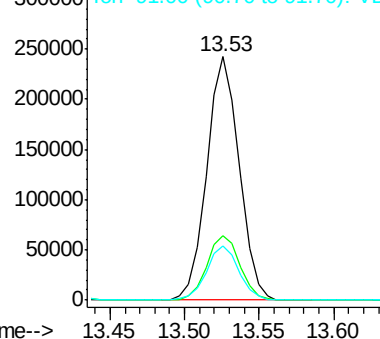
91 22.2 11.3 33.9

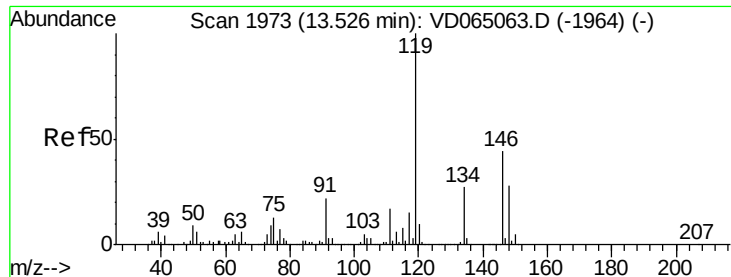


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.037 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Instrument :

MSVOA_D

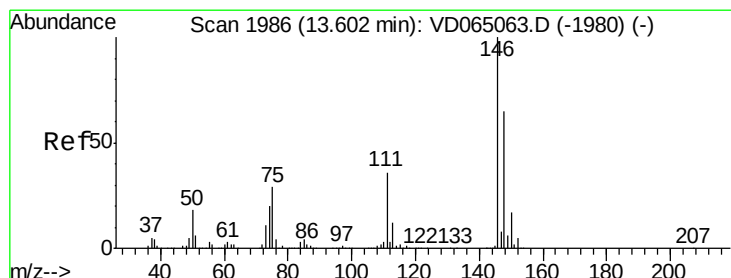
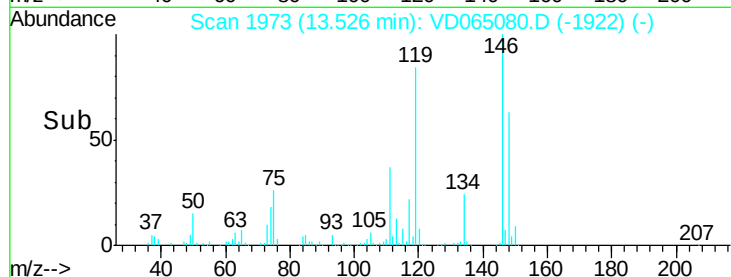
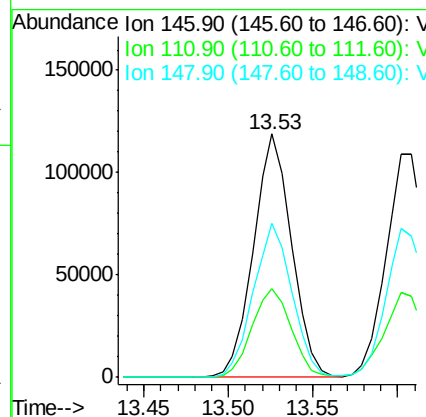
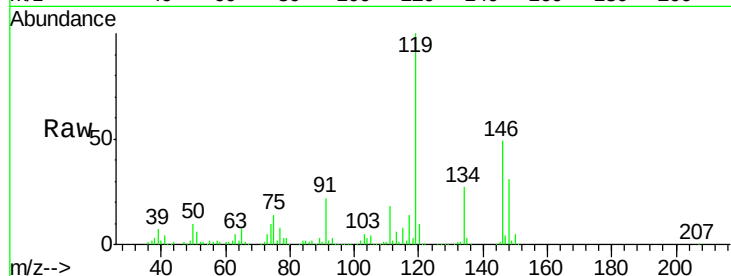
ClientSampleId :

VD0206SBS01

Tot Ion:	146	Resp:	186631
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.4	58.4
148	64.2	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.634 ug/l

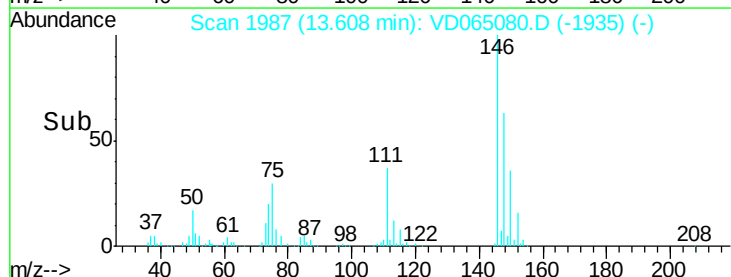
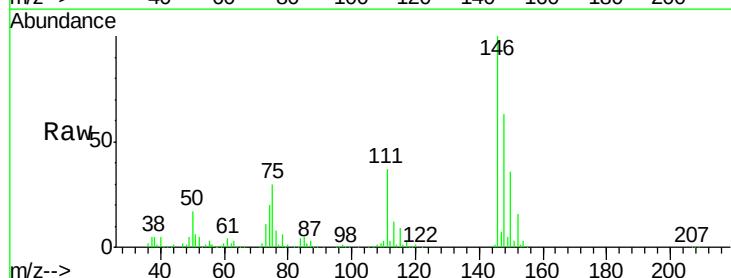
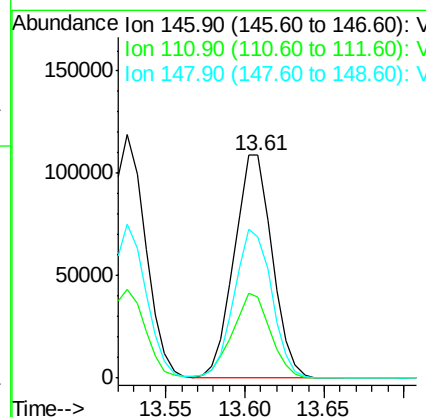
RT: 13.61 min Scan# 1987

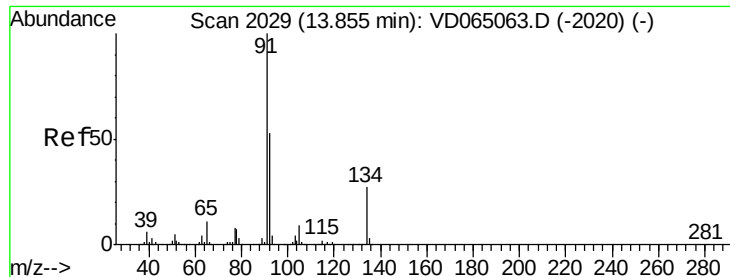
Delta R.T. 0.01 min

Lab File: VD065080.D

Acq: 06 Feb 2020 12:05

Tgt Ion:	146	Resp:	182023
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.5	55.5
148	66.0	32.7	98.1





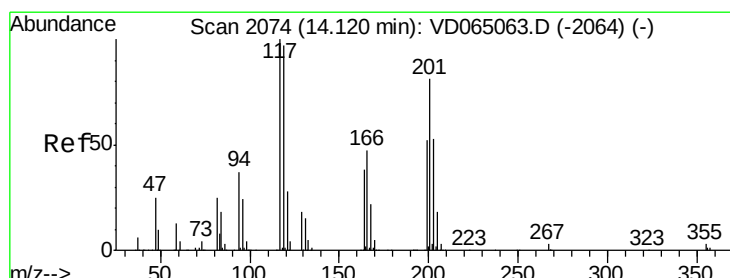
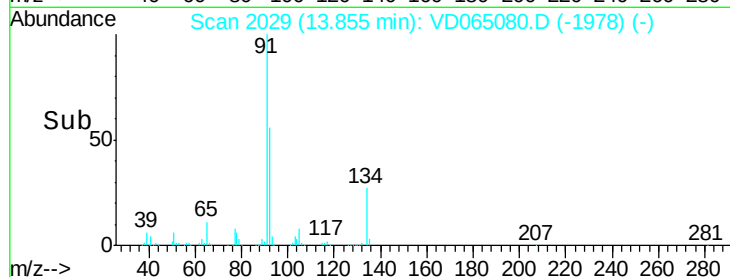
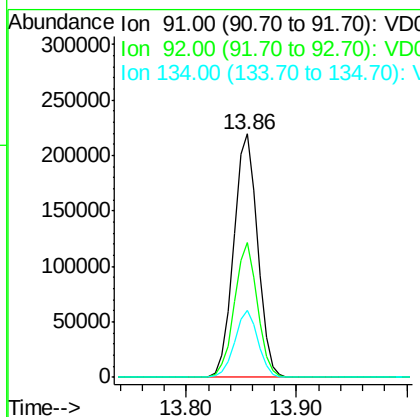
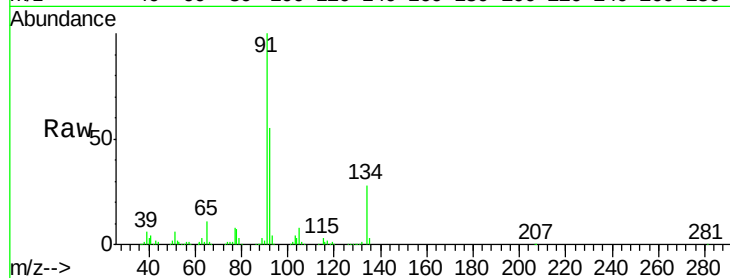
#89
n-Butylbenzene
Concen: 19.566 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.1
134	26.6	13.4	40.2

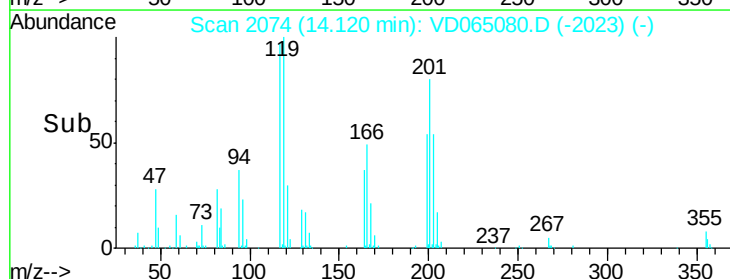
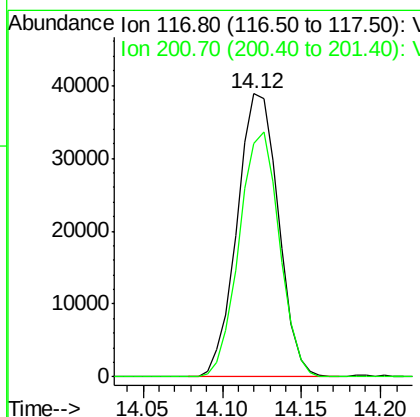
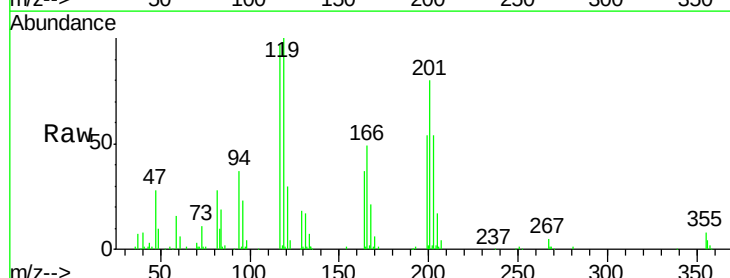
Manual Integrations
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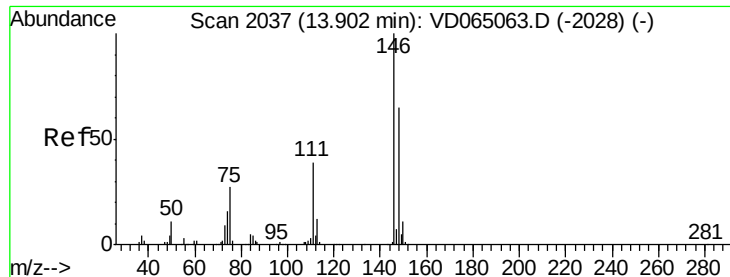
MMDadoda
2/7/2020 12:05:33 PM



#90
Hexachloroethane
Concen: 20.156 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	42.5	127.6





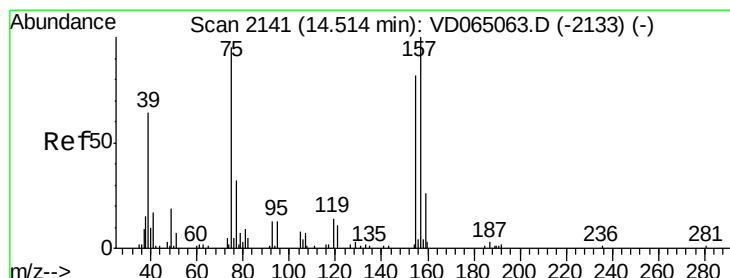
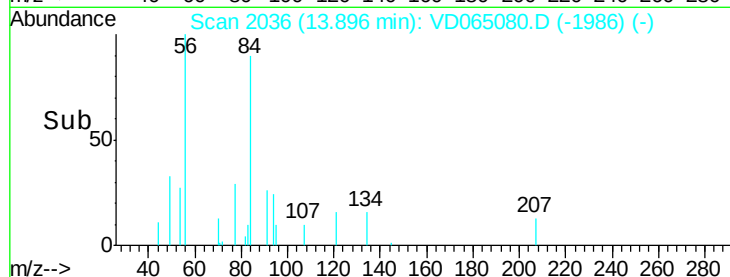
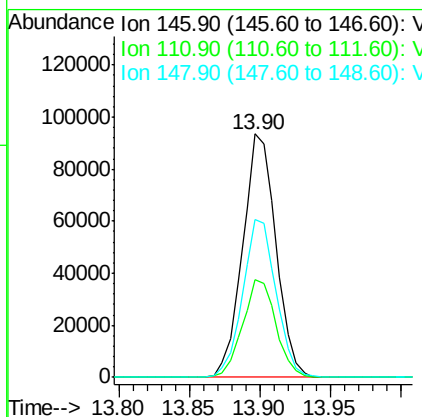
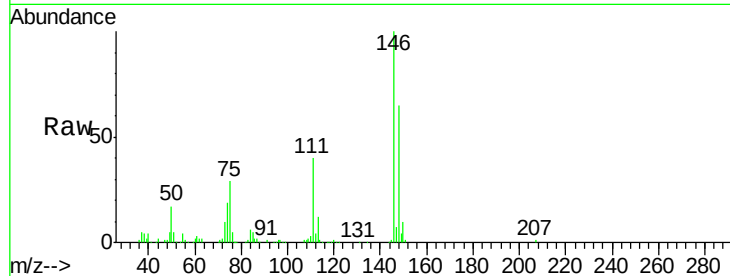
#91
 1,2-Dichlorobenzene
 Concen: 19.327 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.1
148	65.0	31.9	95.5

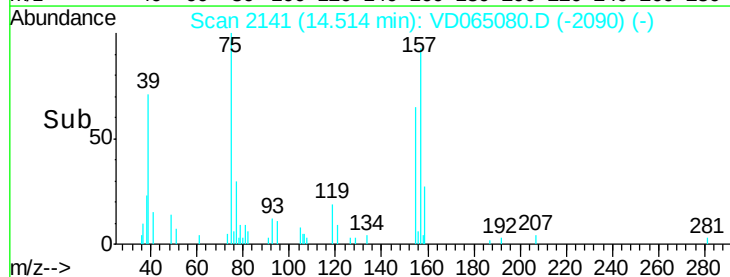
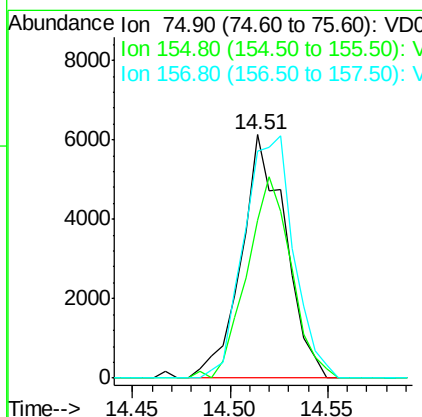
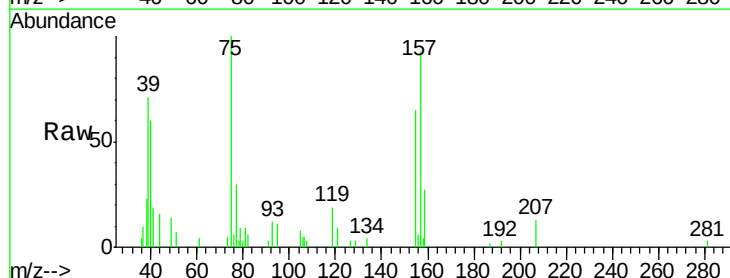
Manual Integrations
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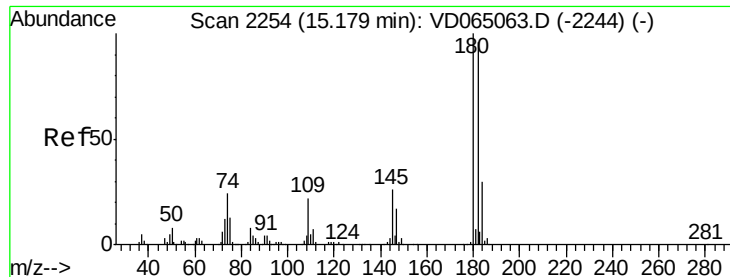
MMDadoda
 2/7/2020 12:05:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.047 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	43.4	130.1
157	112.0	55.8	167.3





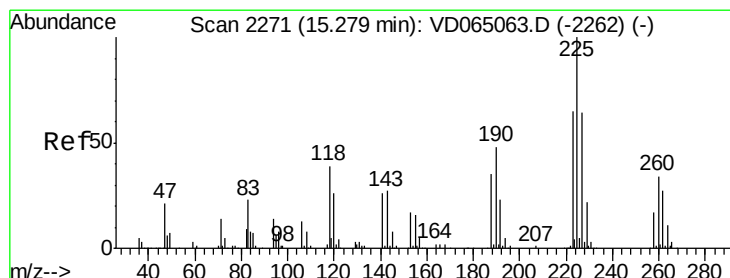
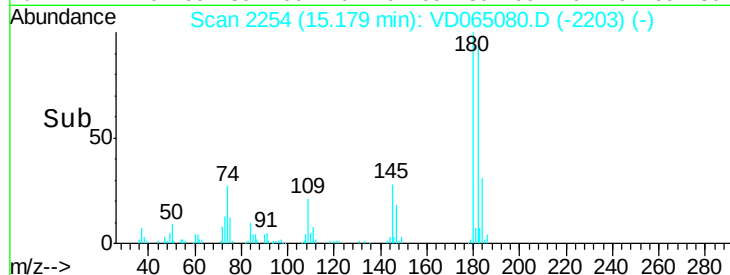
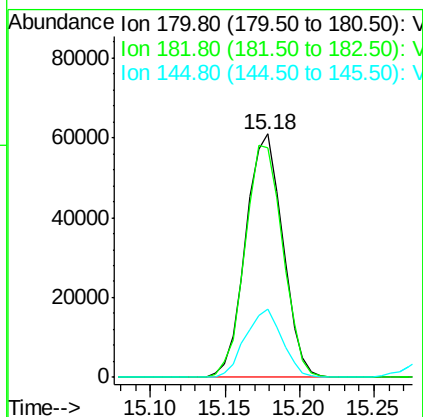
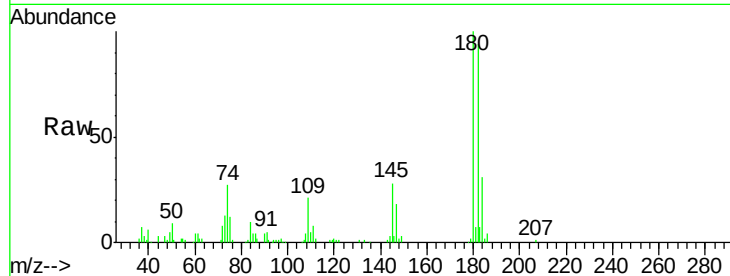
#93
 1,2,4-Trichlorobenzene
 Concen: 18.353 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104654		
182	97.0		47.4	142.3
145	27.8		14.1	42.4

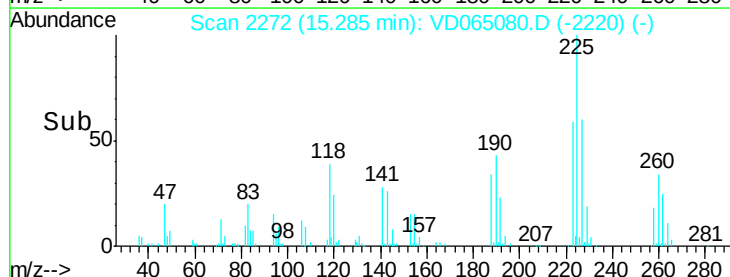
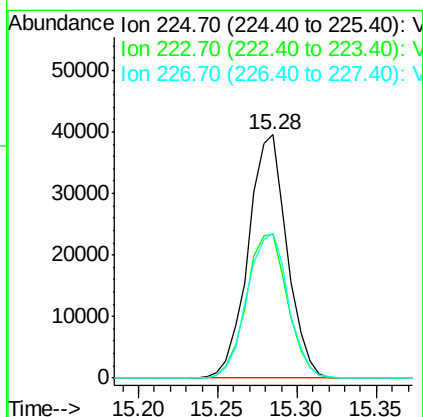
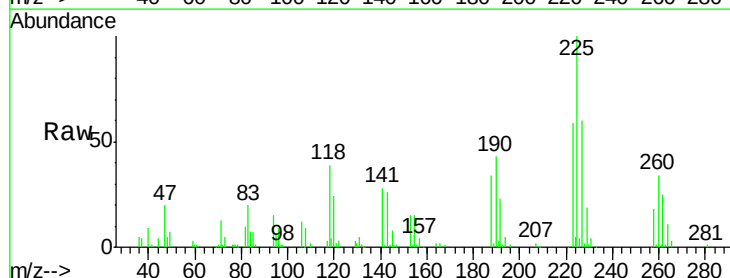
Manual Integrations
 APPROVED

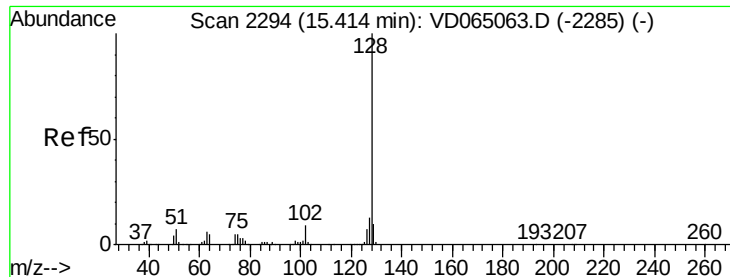
MMDadoda
 2/7/2020 12:05:33 PM



#94
 Hexachlorobutadiene
 Concen: 19.141 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065080.D
 Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67111		
223	62.6		31.4	94.0
227	63.3		31.8	95.3





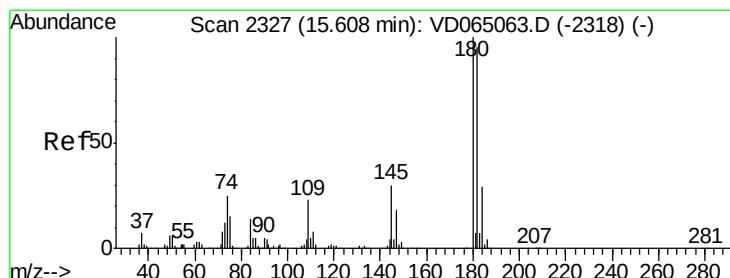
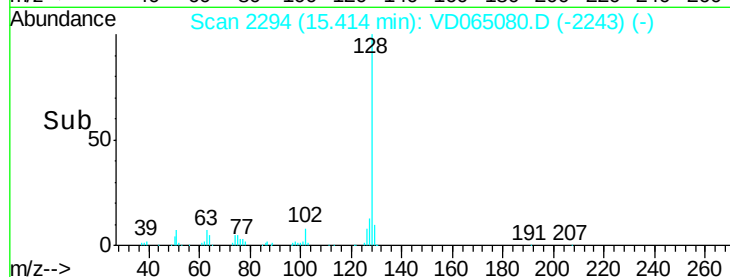
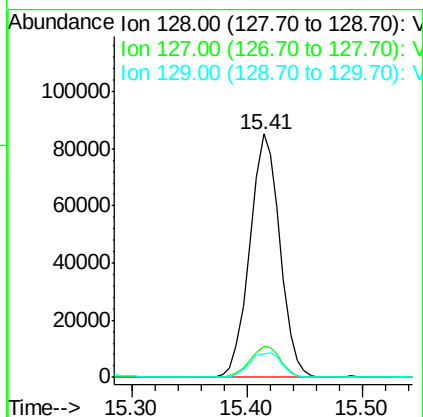
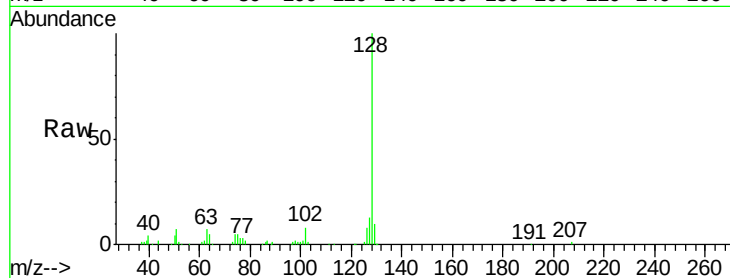
#95
Naphthalene
Concen: 16.352 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	154975		
127	12.8		10.6	15.8
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.147 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065080.D
Acq: 06 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88511		
182	96.3		47.1	141.4
145	30.9		14.9	44.9

