

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065411.D
 Acq On : 04 Mar 2020 14:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:01 PM

Quant Time: Mar 05 01:22:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	484489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	729390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	24145	5.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.56%	
35) Dibromofluoromethane	7.92	113	25815	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
50) Toluene-d8	10.34	98	93220	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	
62) 4-Bromofluorobenzene	12.64	95	27862	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	22413	5.335	ug/l	92
3) Chloromethane	2.21	50	29675	5.897	ug/l	100
4) Vinyl Chloride	2.35	62	28224	5.672	ug/l	97
5) Bromomethane	2.77	94	19915	6.229	ug/l	99
6) Chloroethane	2.92	64	17118	5.636	ug/l	89
7) Trichlorofluoromethane	3.27	101	41783	5.695	ug/l	97
8) Diethyl Ether	3.70	74	12463	5.689	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28029	5.935	ug/l	98
10) Methyl Iodide	4.29	142	20594	4.224	ug/l	97
11) Tert butyl alcohol	5.25	59	7286m	32.240	ug/l	
12) 1,1-Dichloroethene	4.06	96	26656	5.899	ug/l	90
13) Acrolein	3.93	56	11599	28.132	ug/l	97
14) Allyl chloride	4.72	41	37886	5.442	ug/l	98
15) Acrylonitrile	5.43	53	26506	27.542	ug/l	97
16) Acetone	4.16	43	26652	31.270	ug/l	99
17) Carbon Disulfide	4.40	76	85583	5.674	ug/l	97
18) Methyl Acetate	4.73	43	12610	5.787	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	44491	5.066	ug/l	98
20) Methylene Chloride	4.97	84	34621	6.552	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	28751	5.704	ug/l	96
22) Diisopropyl ether	6.37	45	63942	4.895	ug/l	96
23) Vinyl Acetate	6.31	43	170589	23.548	ug/l	99
24) 1,1-Dichloroethane	6.26	63	45911	5.533	ug/l	99
25) 2-Butanone	7.23	43	32096	27.525	ug/l	99
26) 2,2-Dichloropropane	7.21	77	42634	5.879	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	27403	5.302	ug/l	96
28) Bromochloromethane	7.55	49	18464	5.486	ug/l	100
29) Tetrahydrofuran	7.57	42	19313	25.782	ug/l	97
30) Chloroform	7.71	83	46053m	5.519	ug/l	
31) Cyclohexane	7.98	56	49839	6.036	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	43978	5.743	ug/l	99
36) 1,1-Dichloropropene	8.11	75	39357	5.611	ug/l	97
37) Ethyl Acetate	7.30	43	15151	5.518	ug/l	97
38) Carbon Tetrachloride	8.10	117	41188	5.689	ug/l	95

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 3/5/2020 1:39:01 PM

Quant Time: Mar 05 01:22:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	43117	5.144	ug/l	95
40) Benzene	8.36	78	106460	5.414	ug/l	100
41) Methacrylonitrile	7.54	41	7535	5.401	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	27680	5.350	ug/l	99
43) Isopropyl Acetate	8.46	43	26497	5.274	ug/l	98
44) Trichloroethene	9.11	130	30111	5.455	ug/l	95
45) 1,2-Dichloropropane	9.40	63	25154	5.267	ug/l	94
46) Dibromomethane	9.48	93	13226	5.326	ug/l	97
47) Bromodichloromethane	9.67	83	33490	5.195	ug/l	94
48) Methyl methacrylate	9.46	41	12560	5.284	ug/l	94
49) 1,4-Dioxane	9.47	88	2938	102.792	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	61334	24.137	ug/l	98
52) Toluene	10.41	92	65908	5.314	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	30628	5.050	ug/l	92
54) cis-1,3-Dichloropropene	10.10	75	35056	4.786	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	19136	5.449	ug/l	97
56) Ethyl methacrylate	10.67	69	17288	4.342	ug/l	94
57) 1,3-Dichloropropane	10.96	76	32004	5.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	26133	18.463	ug/l	97
59) 2-Hexanone	10.99	43	42226	23.971	ug/l	94
60) Dibromochloromethane	11.14	129	24555	5.430	ug/l	99
61) 1,2-Dibromoethane	11.25	107	18101	5.397	ug/l	96
64) Tetrachloroethene	10.88	164	26166	5.541	ug/l	96
65) Chlorobenzene	11.67	112	71987	5.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	25792	5.402	ug/l	99
67) Ethyl Benzene	11.75	91	115514	5.124	ug/l	99
68) m/p-Xylenes	11.86	106	87326	10.047	ug/l	99
69) o-Xylene	12.18	106	36846	4.820	ug/l	98
70) Styrene	12.20	104	64527	4.785	ug/l	99
71) Bromoform	12.37	173	14642	5.436	ug/l #	100
73) Isopropylbenzene	12.48	105	103697	4.970	ug/l	98
74) N-amyl acetate	12.30	43	20348	4.723	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	20594	5.564	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	11041m	2.517	ug/l	
77) Bromobenzene	12.77	156	28057	5.363	ug/l	96
78) n-propylbenzene	12.83	91	122915	4.950	ug/l	98
79) 2-Chlorotoluene	12.91	91	71526	5.121	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	84323	4.909	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	5953	5.000	ug/l	92
82) 4-Chlorotoluene	13.01	91	76589	5.201	ug/l	98
83) tert-Butylbenzene	13.23	119	72135	4.974	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	80152	4.727	ug/l	100
85) sec-Butylbenzene	13.41	105	104301	5.039	ug/l	99
86) p-Isopropyltoluene	13.53	119	90691	4.800	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	55735	5.578	ug/l	95
88) 1,4-Dichlorobenzene	13.61	146	56131	5.632	ug/l	96
89) n-Butylbenzene	13.86	91	86792	4.978	ug/l	99
90) Hexachloroethane	14.13	117	22113	5.668	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	47271	5.519	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3258	5.735	ug/l	97

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

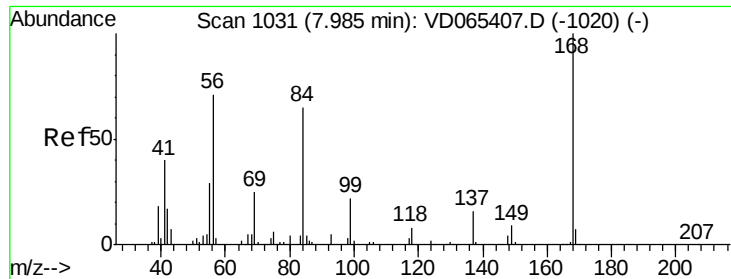
Manual Integrations
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Quant Time: Mar 05 01:22:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 15:55:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	29168	5.062	ug/l	99
94) Hexachlorobutadiene	15.28	225	21885	5.807	ug/l	97
95) Naphthalene	15.41	128	43301	4.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	24850	4.966	ug/l	94

(#) = 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: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 484489

Ion Ratio Lower Upper

168 100

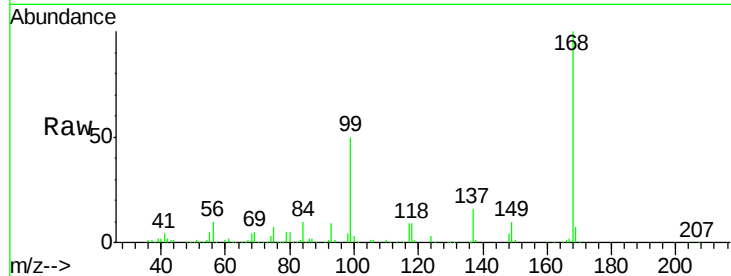
99 50.2 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

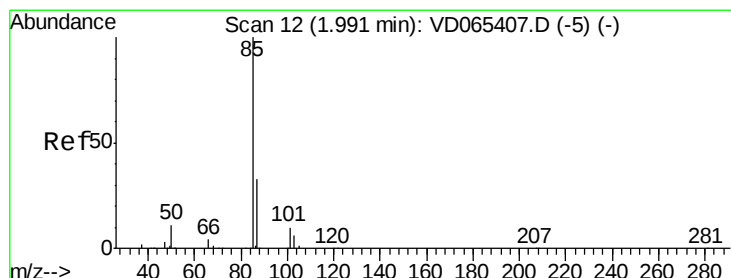
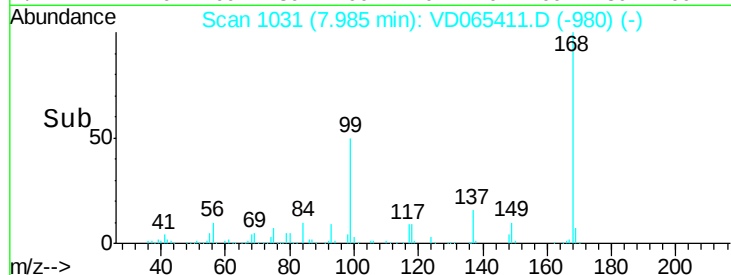
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.335 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065411.D

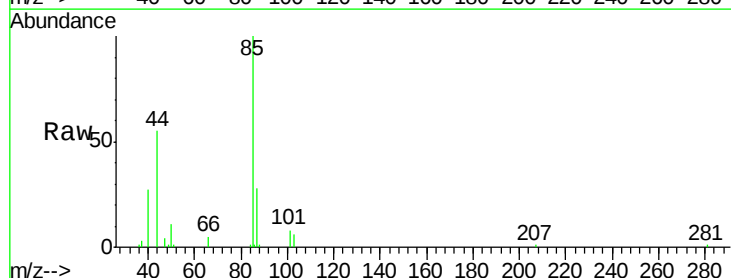
Acq: 04 Mar 2020 14:15

Tgt Ion: 85 Resp: 22413

Ion Ratio Lower Upper

85 100

87 28.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

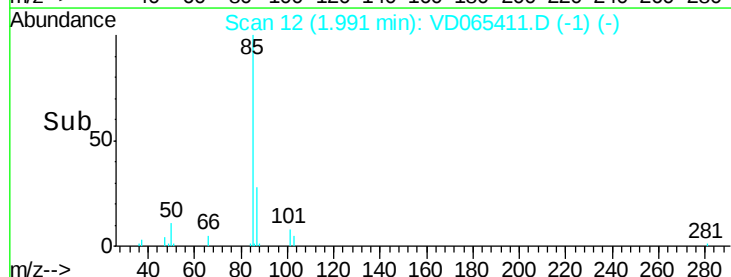
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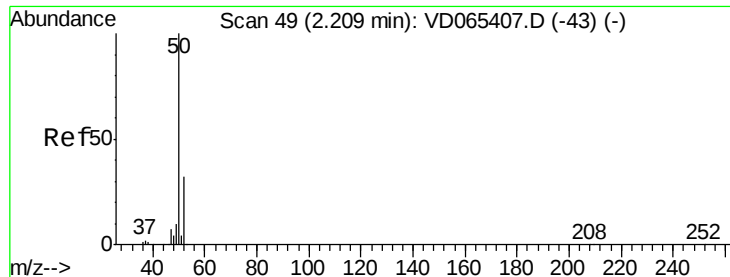
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.897 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 29675

Ion Ratio Lower Upper

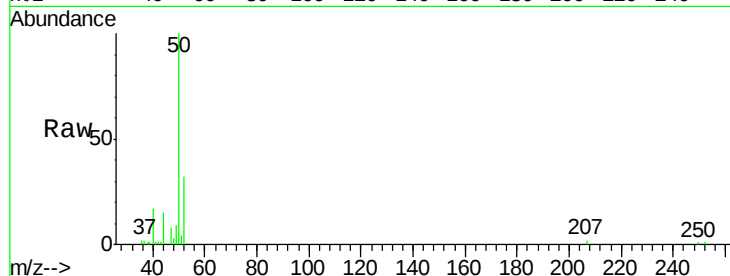
50 100

52 32.0 25.8 38.8

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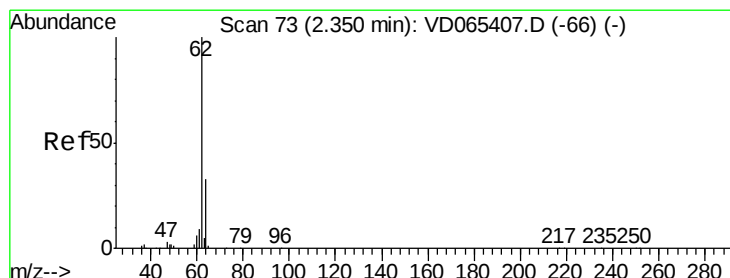
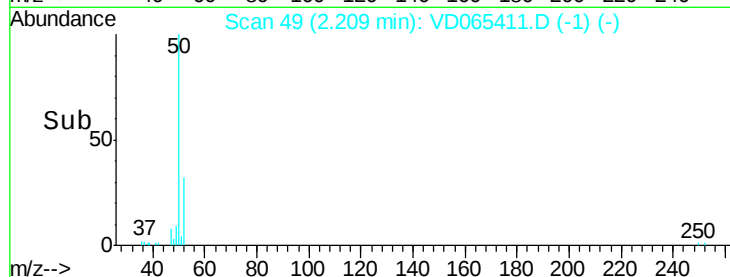
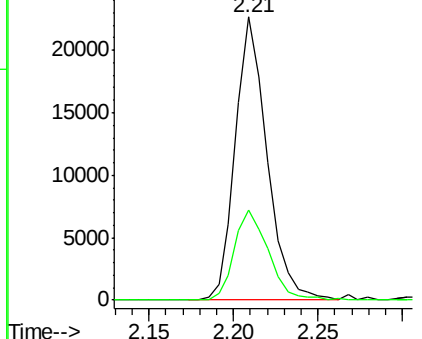
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.672 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065411.D

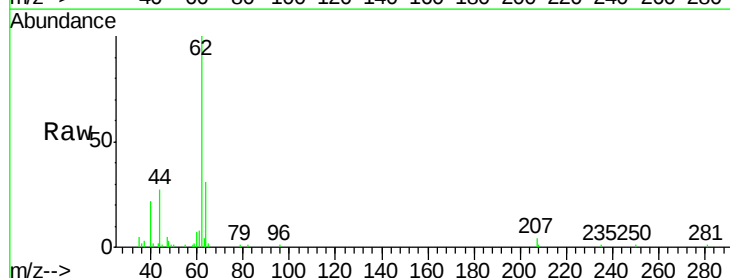
Acq: 04 Mar 2020 14:15

Tgt Ion: 62 Resp: 28224

Ion Ratio Lower Upper

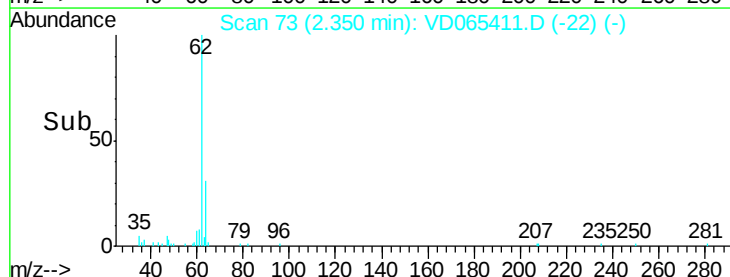
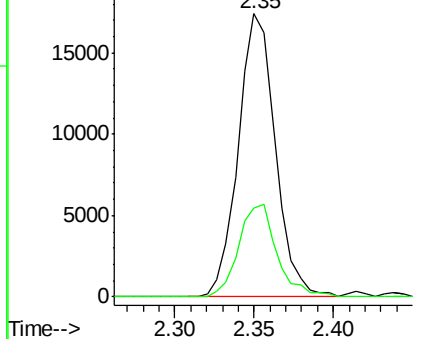
62 100

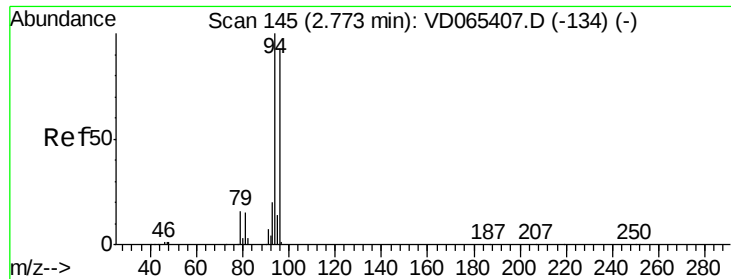
64 31.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 6.229 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 19915

Ion Ratio Lower Upper

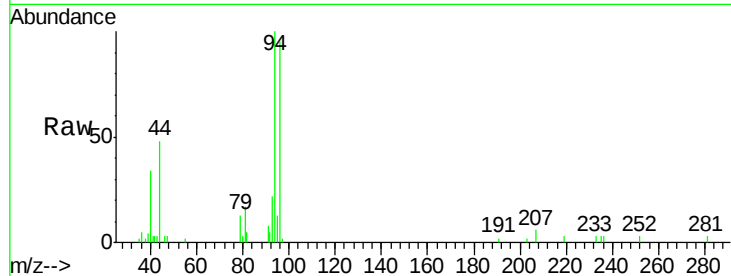
94 100

96 92.4 74.4 111.6

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

8000

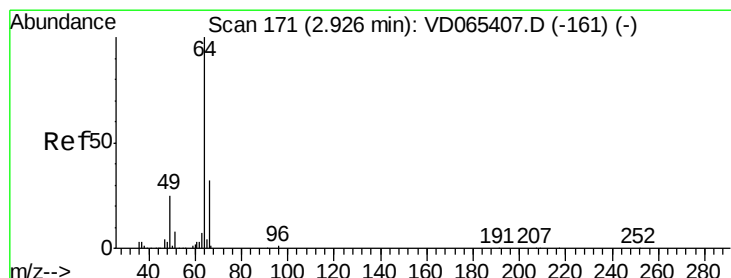
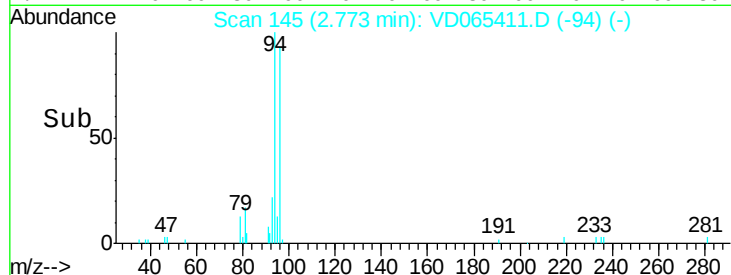
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 5.636 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065411.D

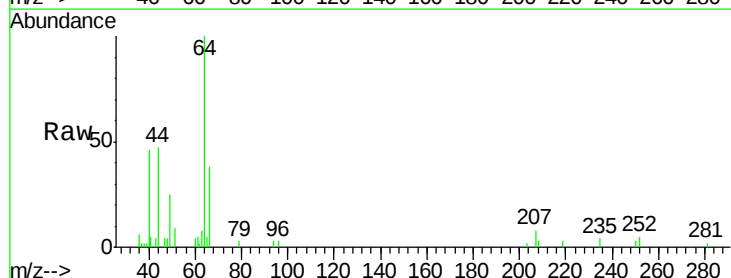
Acq: 04 Mar 2020 14:15

Tgt Ion: 64 Resp: 17118

Ion Ratio Lower Upper

64 100

66 38.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

8000

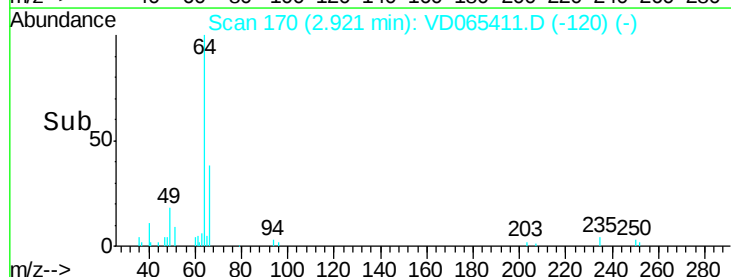
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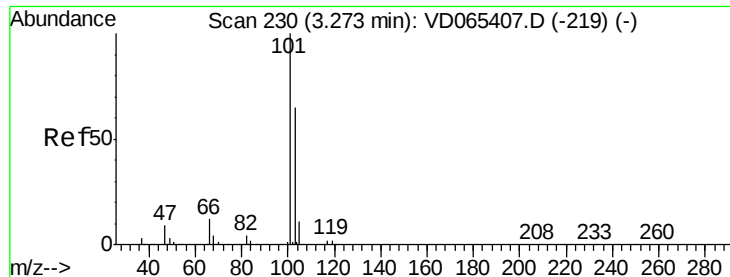
4000

2000

0

Time-->





#7

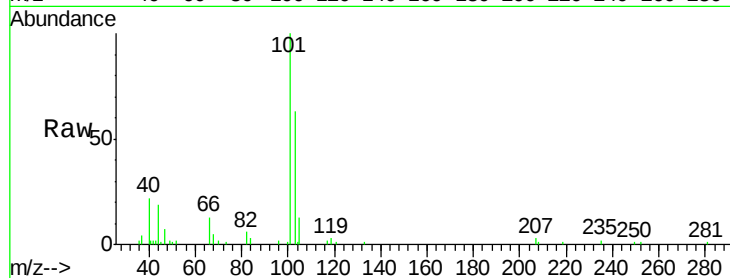
Trichlorofluoromethane
Concen: 5.695 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

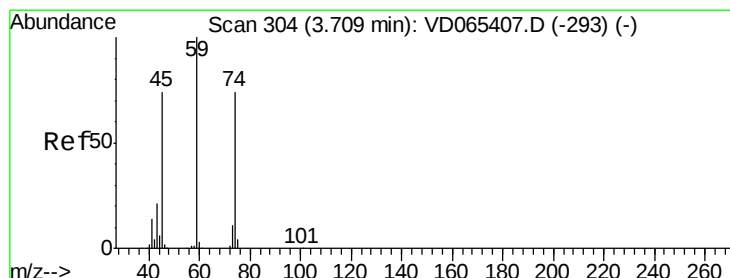
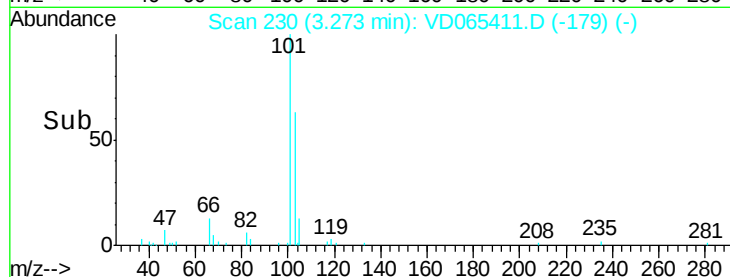
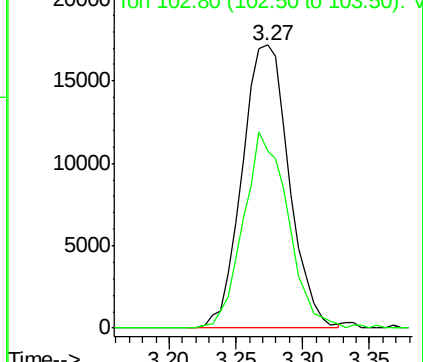
Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.1	78.1

Manual Integrations
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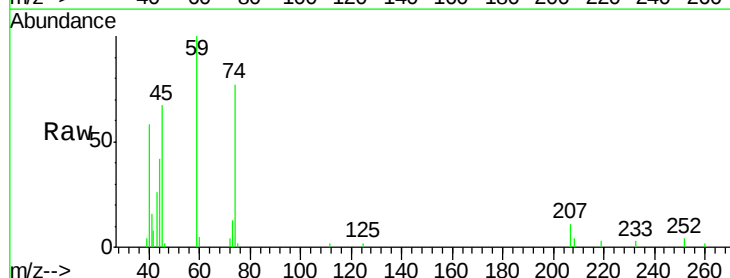
Abundance Ion 100.90 (100.60 to 101.60): V



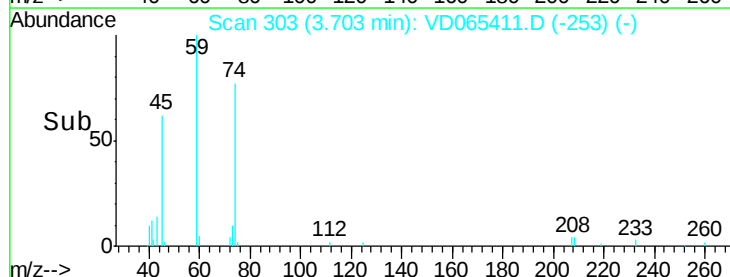
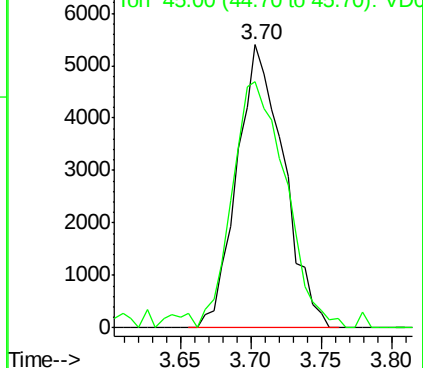
#8

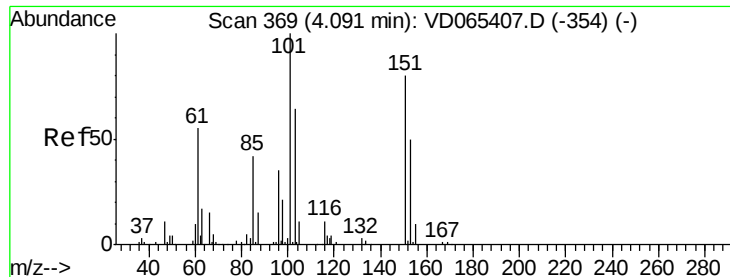
Diethyl Ether
Concen: 5.689 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.5	148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.935 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

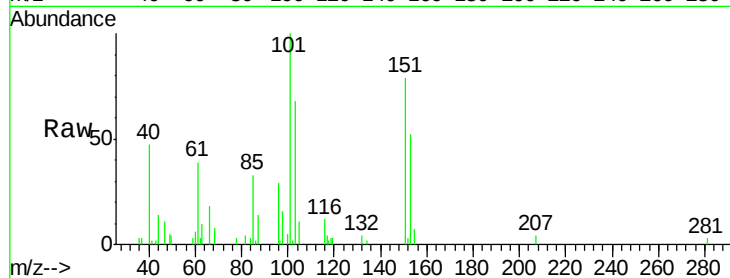
ClientSampleId :

VSTDIC005

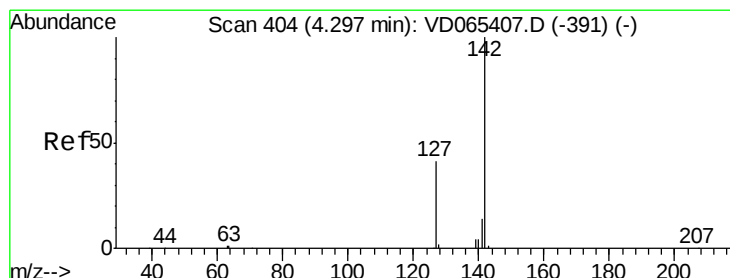
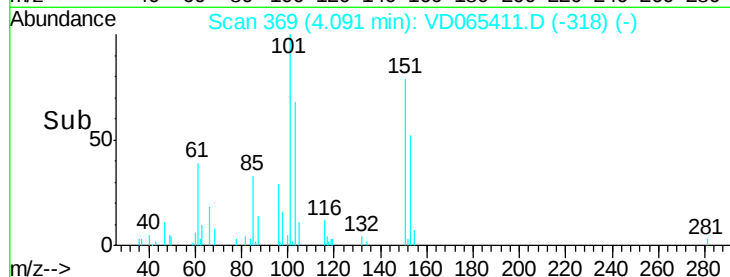
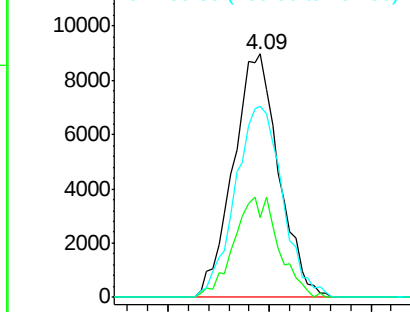
Tot Ion:	101	Resp:	28029
Ion Ratio	Lower	Upper	
101	100		
85	40.2	34.2	51.2
151	81.6	65.1	97.7

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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: 4.224 ug/l

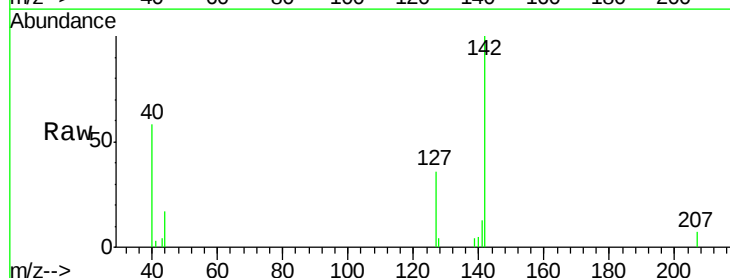
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

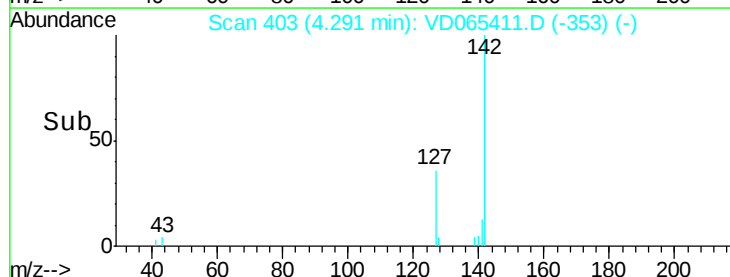
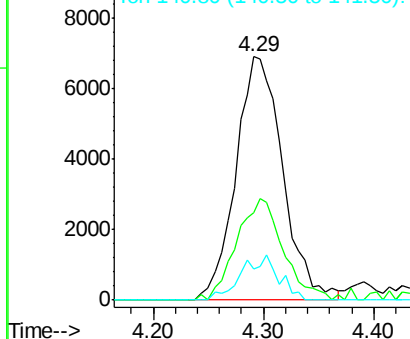
Lab File: VD065411.D

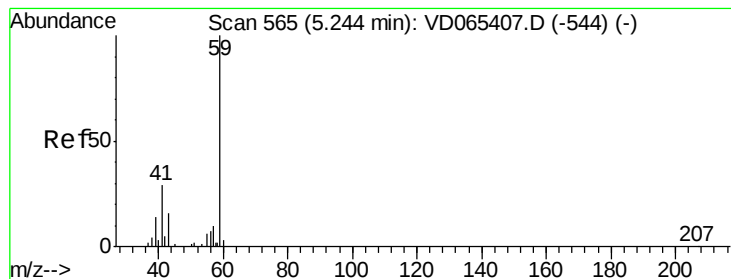
Acq: 04 Mar 2020 14:15

Tgt Ion:	142	Resp:	20594
Ion Ratio	Lower	Upper	
142	100		
127	41.1	35.0	52.6
141	14.8	12.4	18.6



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

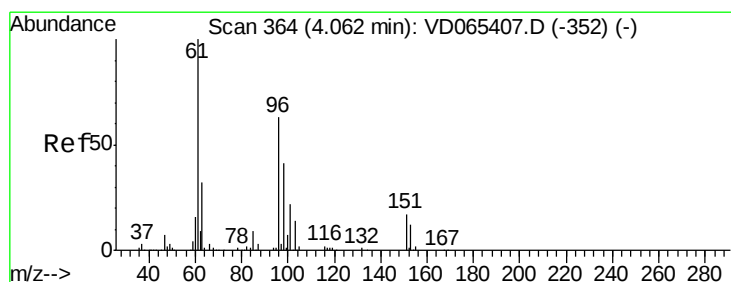
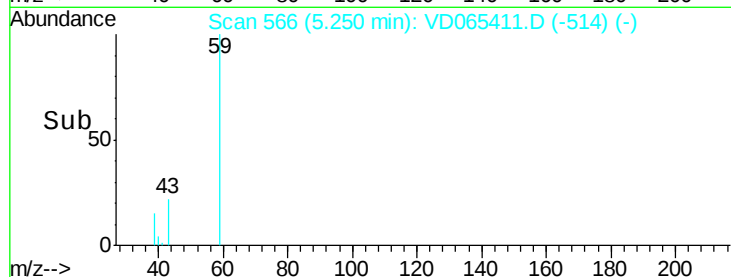
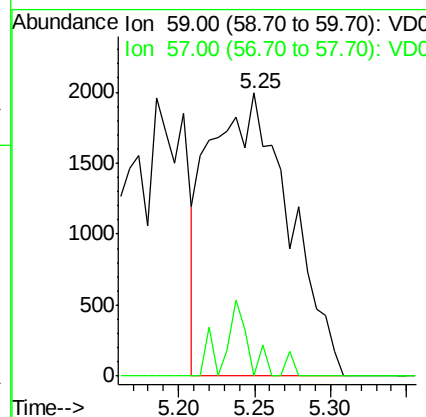
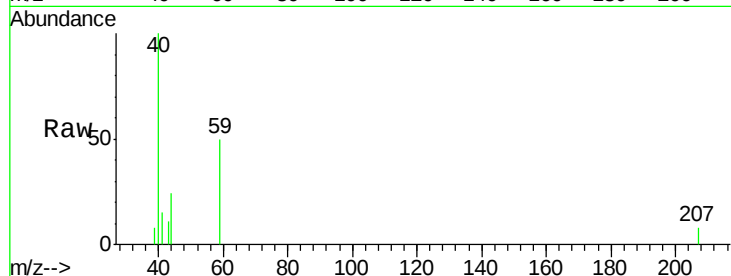
Tert butyl alcohol
Concen: 32.240 ug/l m
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 7286
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

Manual Integrations
APPROVED

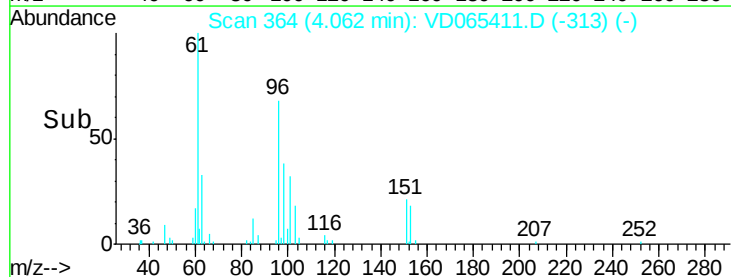
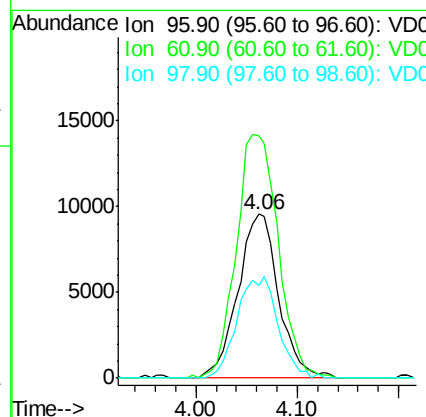
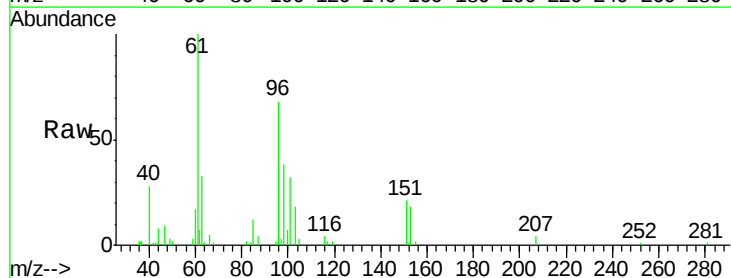
MMDadoda
3/5/2020 1:39:01 PM

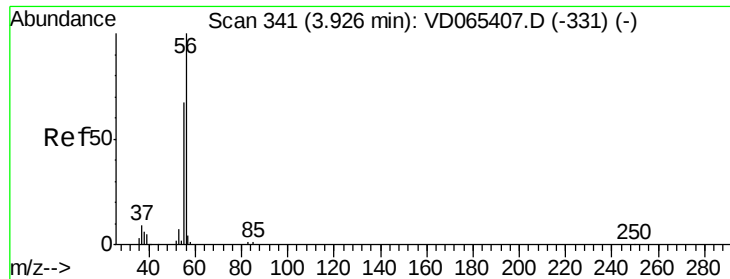


#12

1,1-Dichloroethene
Concen: 5.899 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 96 Resp: 26656
Ion Ratio Lower Upper
96 100
61 147.5 128.0 192.0
98 56.4 51.9 77.9





#13

Acrolein

Concen: 28.132 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11599

Ion Ratio Lower Upper

56 100

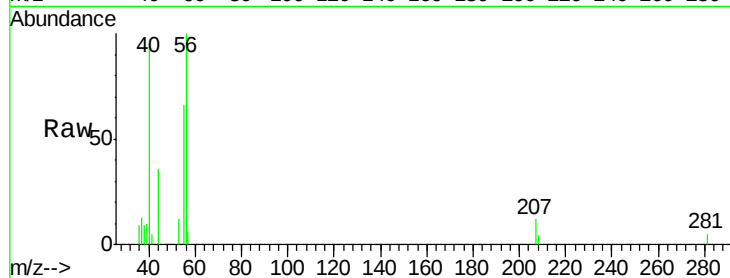
55 67.9 56.6 85.0

Manual Integrations

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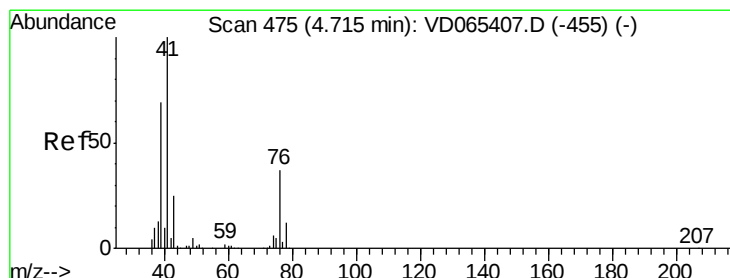
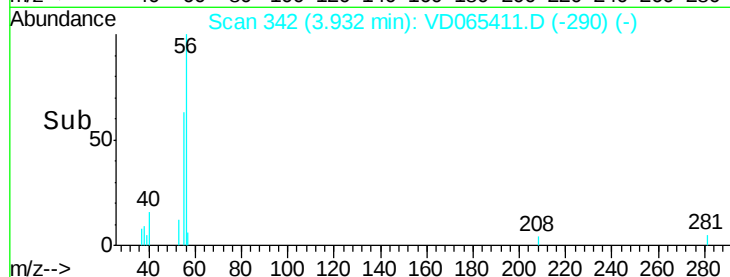
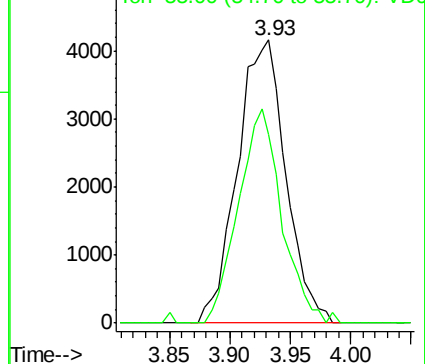
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.442 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

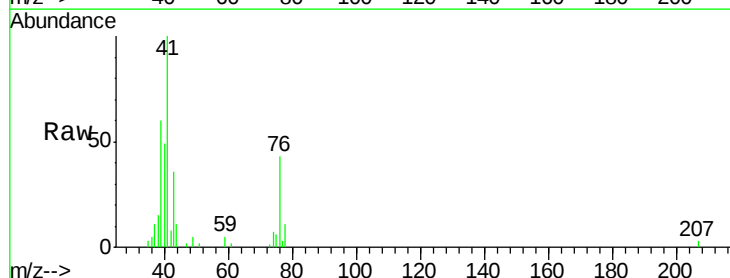
Tgt Ion: 41 Resp: 37886

Ion Ratio Lower Upper

41 100

39 64.0 52.6 79.0

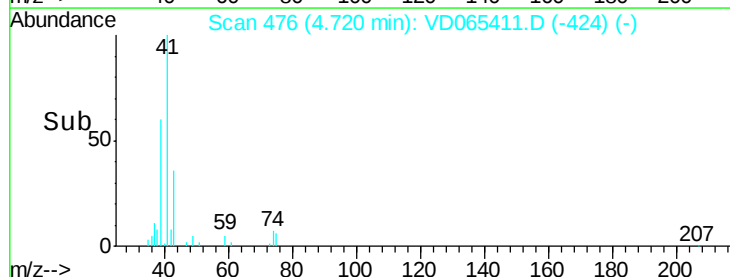
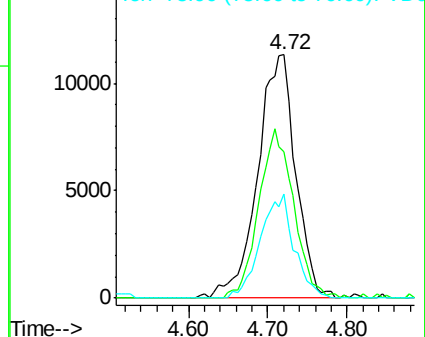
76 37.6 29.2 43.8

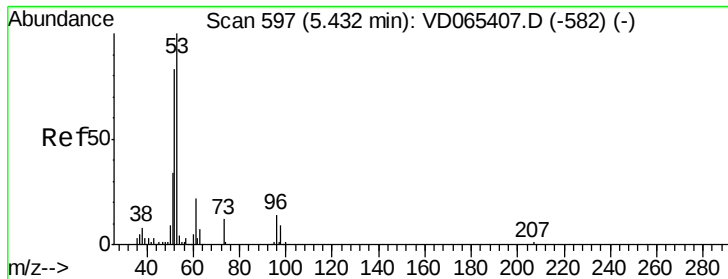


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





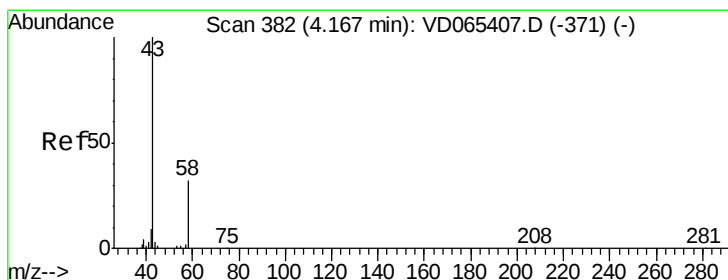
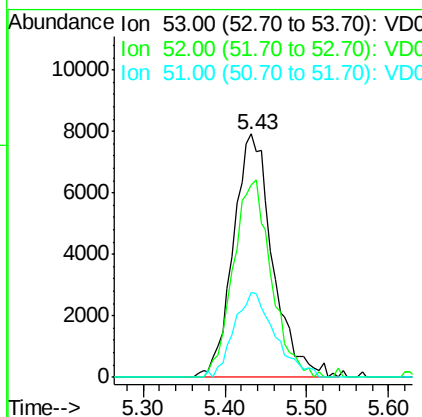
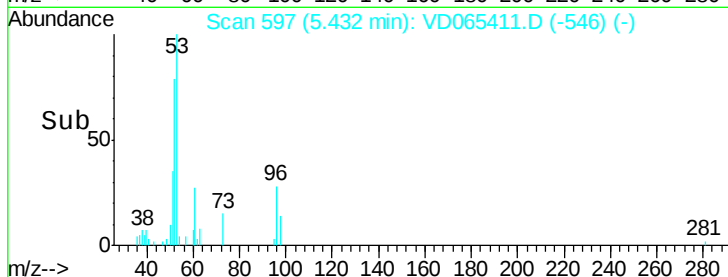
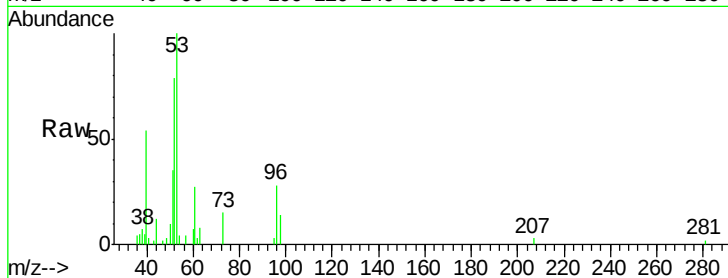
#15
Acrylonitrile
Concen: 27.542 ug/l
RT: 5.43 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion:	53	Resp:	26506
Ion	Ratio	Lower	Upper
53	100		
52	78.0	65.1	97.7
51	36.1	28.5	42.7

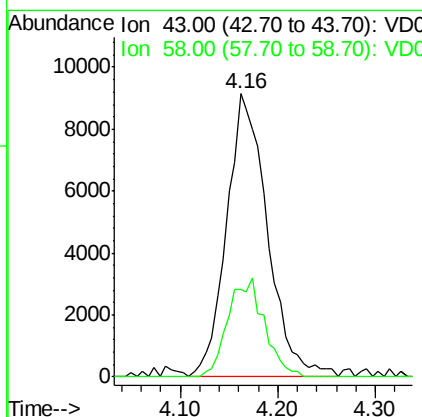
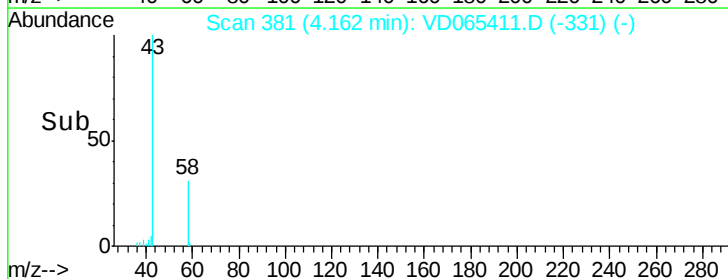
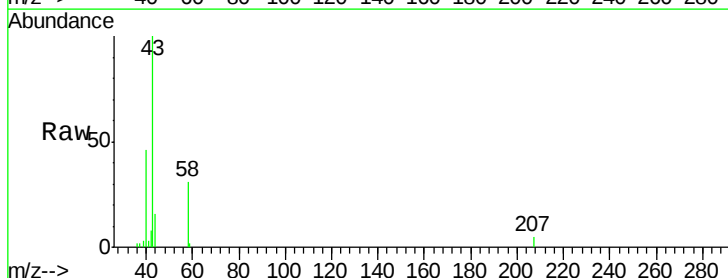
Manual Integrations
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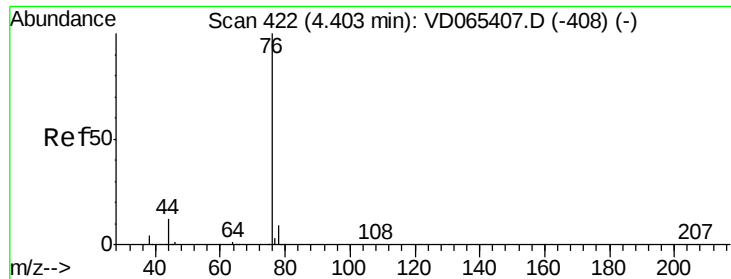
MMDadoda
3/5/2020 1:39:01 PM



#16
Acetone
Concen: 31.270 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion:	43	Resp:	26652
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.1	37.7





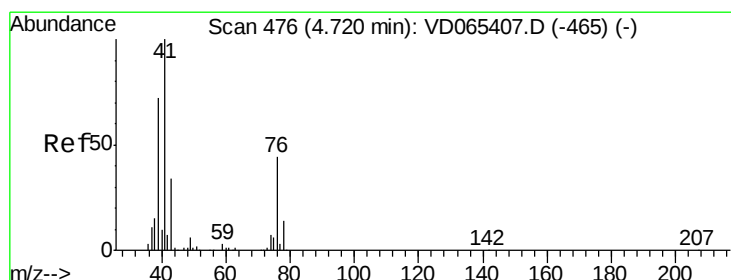
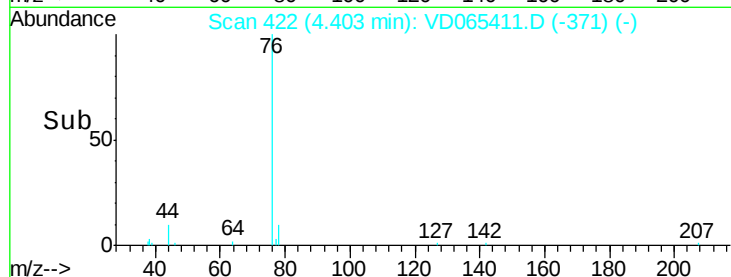
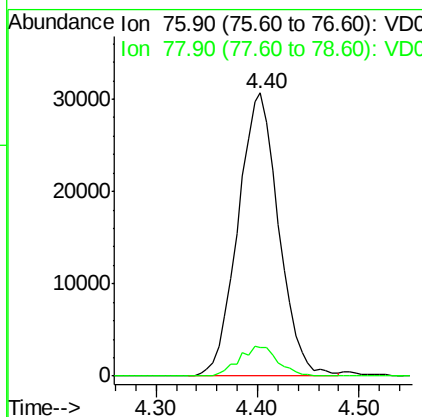
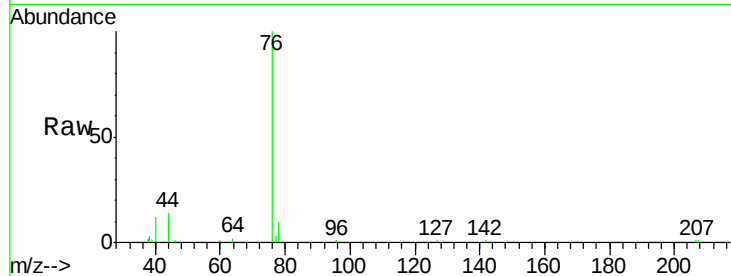
#17
Carbon Disulfide
Concen: 5.674 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.4	11.0

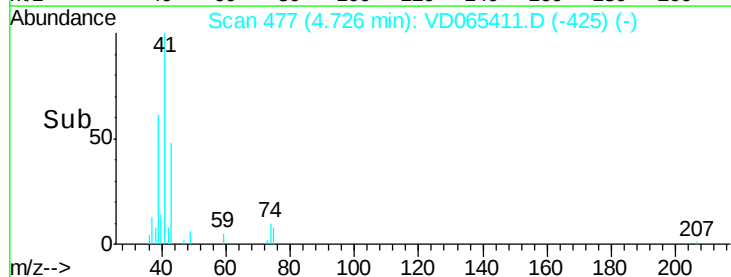
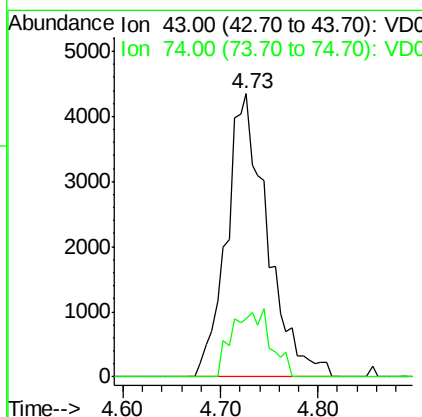
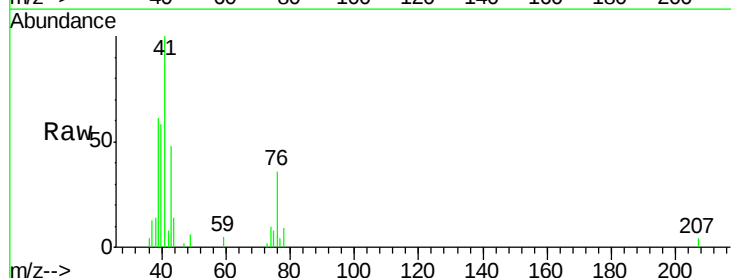
Manual Integrations
APPROVED

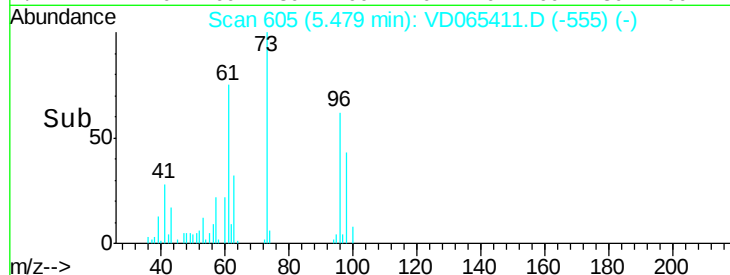
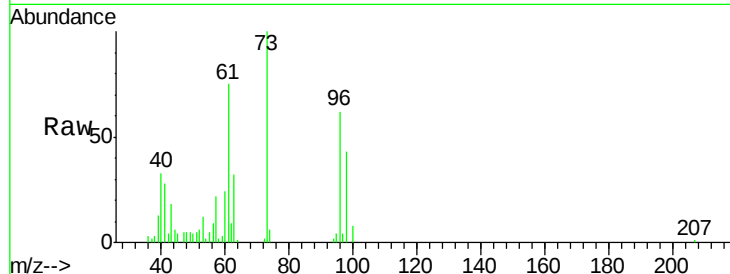
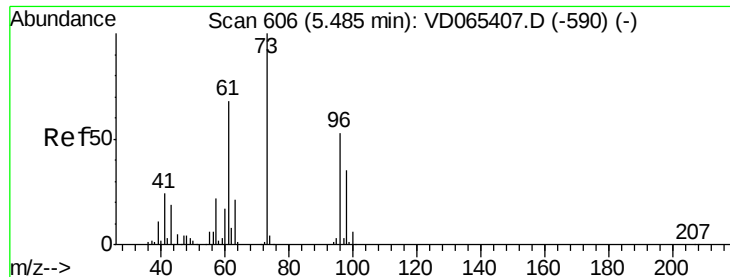
MMDadoda
3/5/2020 1:39:01 PM



#18
Methyl Acetate
Concen: 5.787 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	19.6	29.4





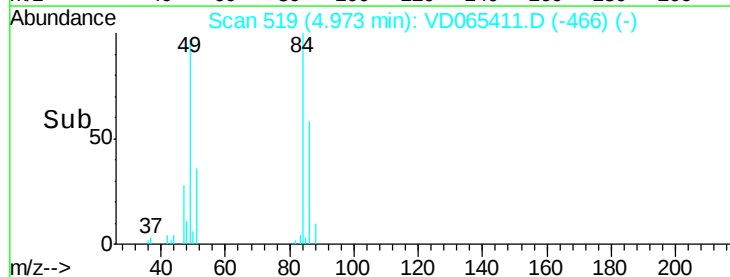
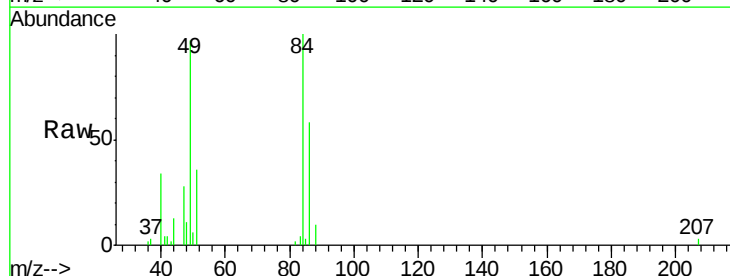
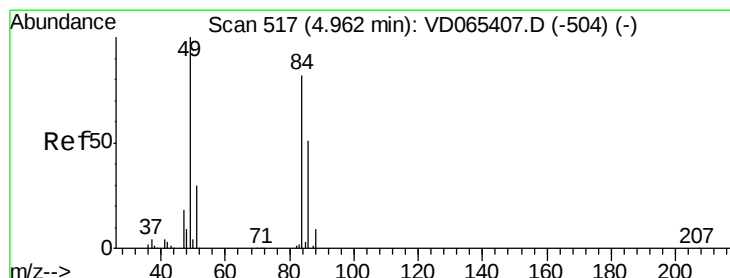
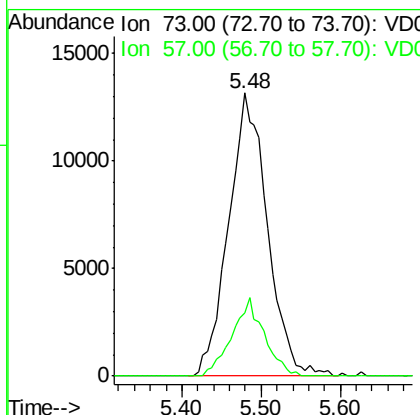
#19
Methvl tert-butvl Ether
Concen: 5.066 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tot Ion: 73 Resp: 44491
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

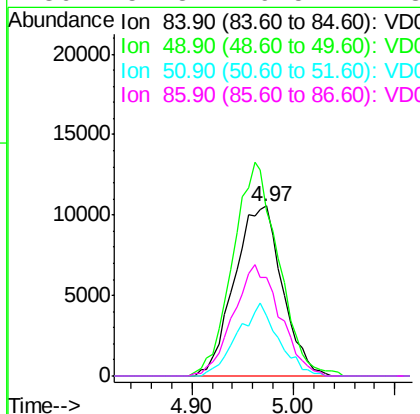
Manual Integrations
APPROVED

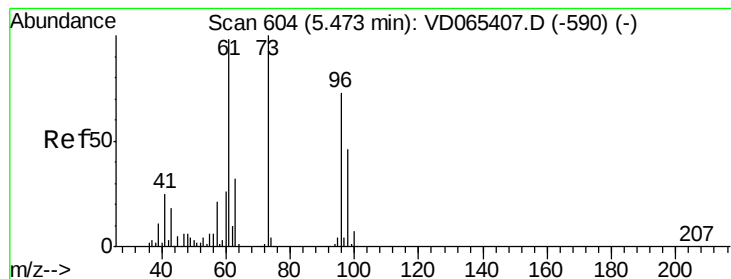
MMDadoda
3/5/2020 1:39:01 PM



#20
Methylene Chloride
Concen: 6.552 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 84 Resp: 34621
Ion Ratio Lower Upper
84 100
49 97.3 97.7 146.5#
51 35.7 28.8 43.2
86 57.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 5.704 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

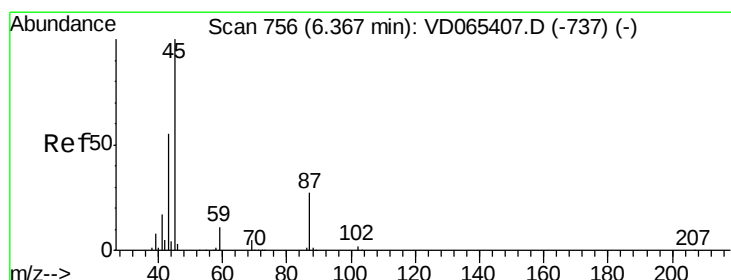
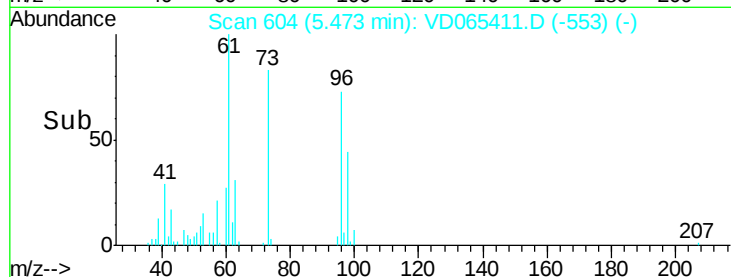
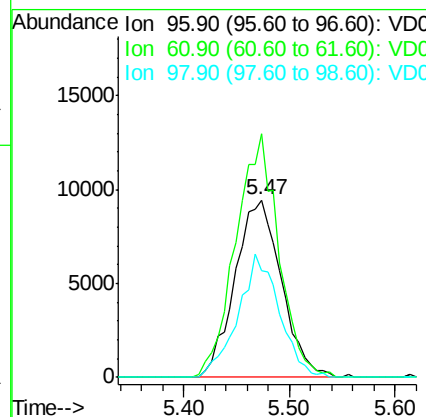
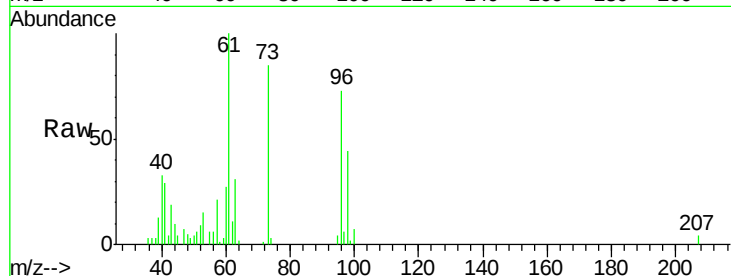
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	28751
Ion	Ratio	Lower	Upper
96	100		
61	137.4	106.3	159.5
98	60.1	50.2	75.4

Manual Integrations
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3/5/2020 1:39:01 PM



#22

Diisopropyl ether

Concen: 4.895 ug/l

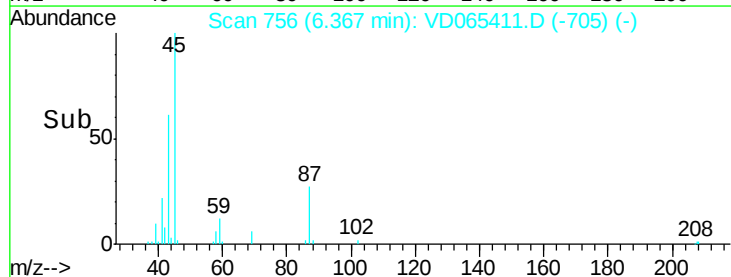
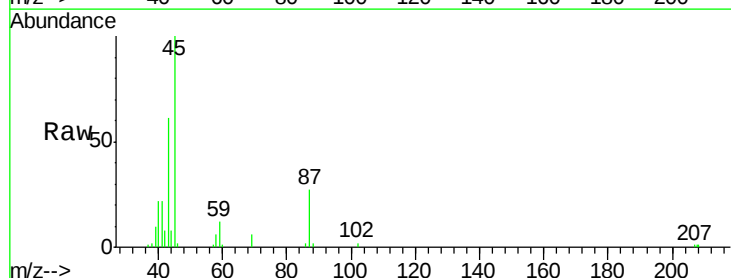
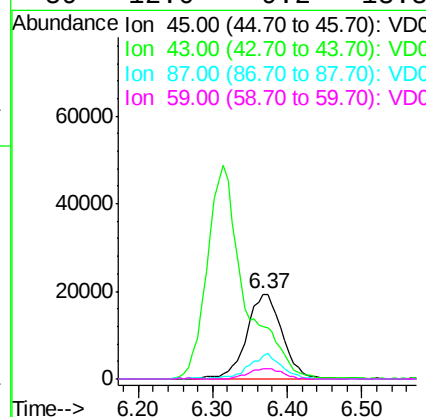
RT: 6.37 min Scan# 756

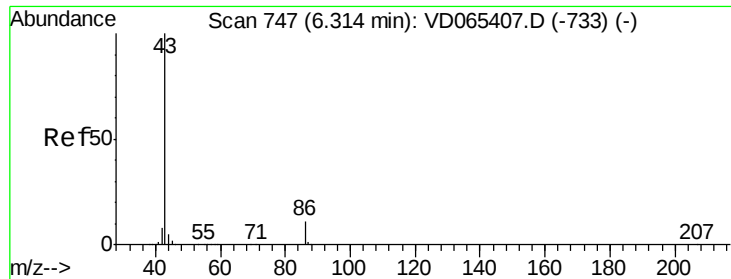
Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion:	45	Resp:	63942
Ion	Ratio	Lower	Upper
45	100		
43	59.6	44.4	66.6
87	27.3	21.9	32.9
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 23.548 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 170589

Ion Ratio Lower Upper

43 100

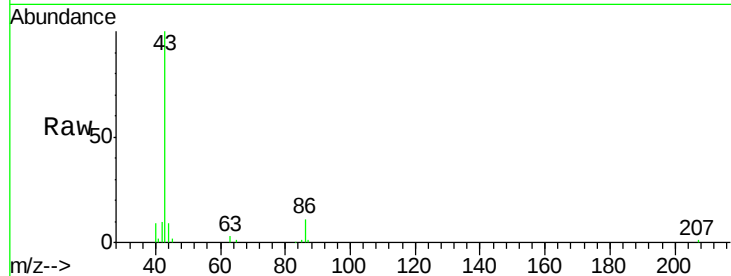
86 11.4 8.9 13.3

Manual Integrations

APPROVED

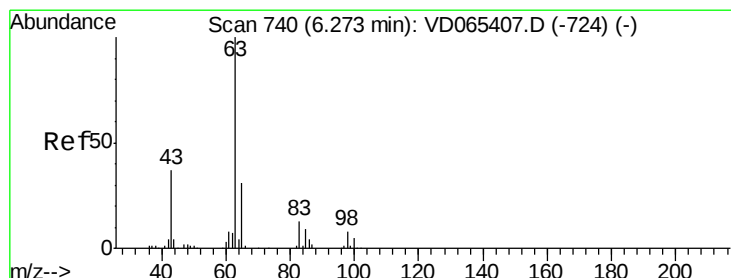
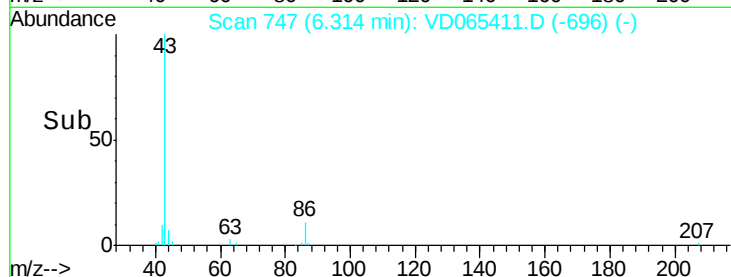
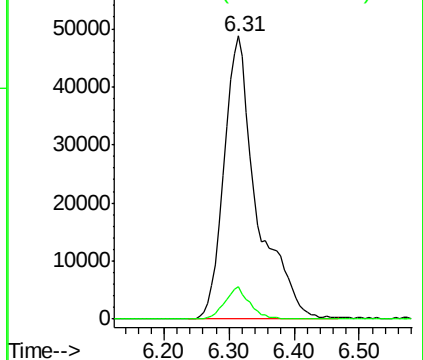
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.533 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

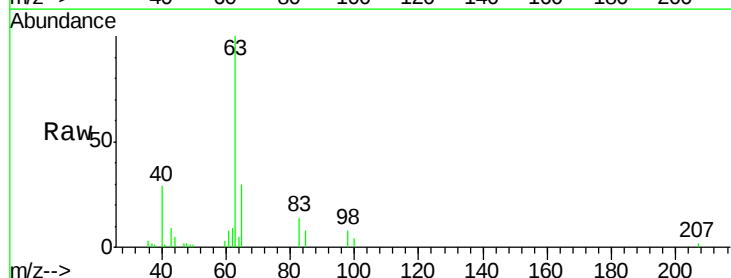
Tgt Ion: 63 Resp: 45911

Ion Ratio Lower Upper

63 100

98 8.4 4.2 12.6

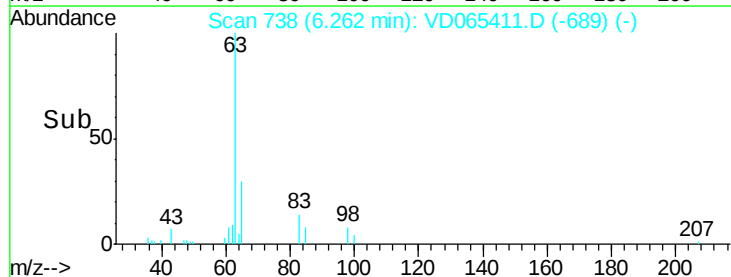
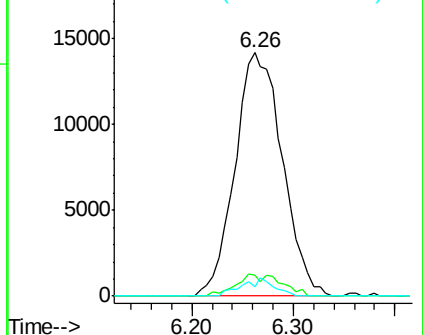
100 4.0 2.4 7.2

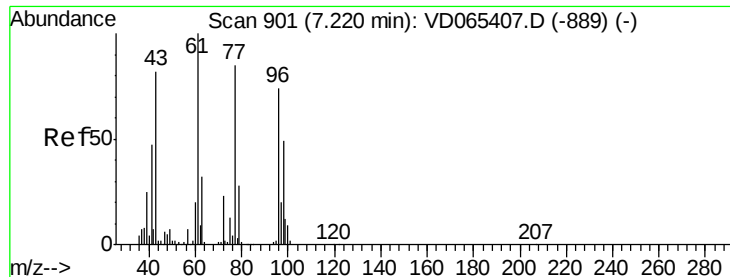


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 27.525 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 32096

Ion Ratio Lower Upper

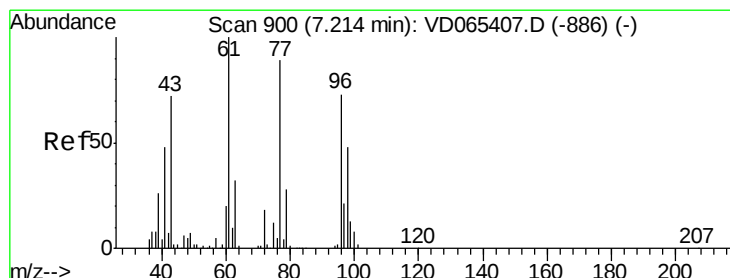
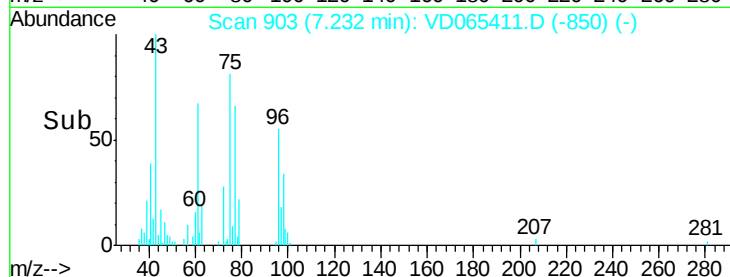
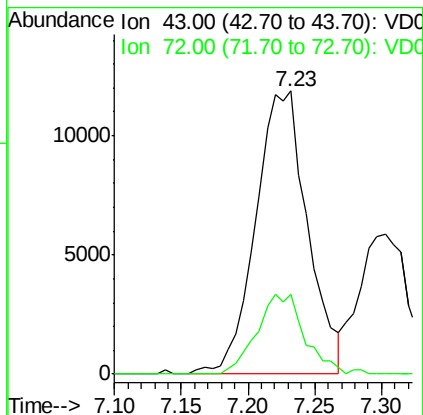
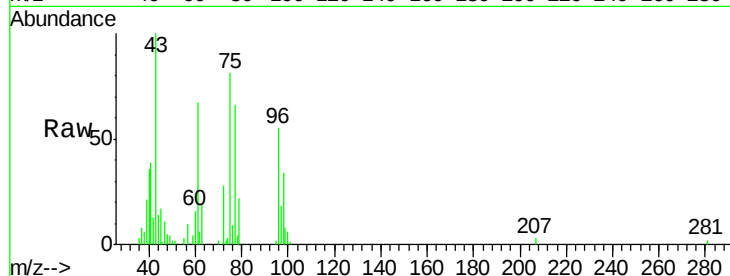
43 100

72 28.3 22.3 33.5

Manual Integrations
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3/5/2020 1:39:01 PM



#26

2,2-Dichloropropane

Concen: 5.879 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065411.D

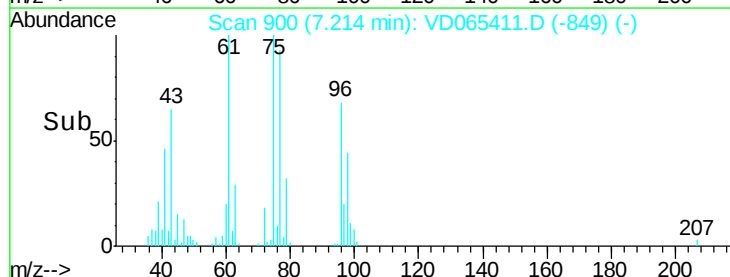
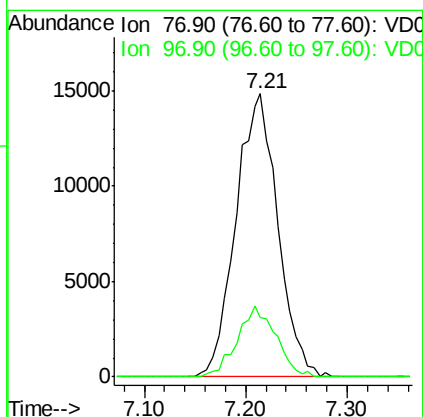
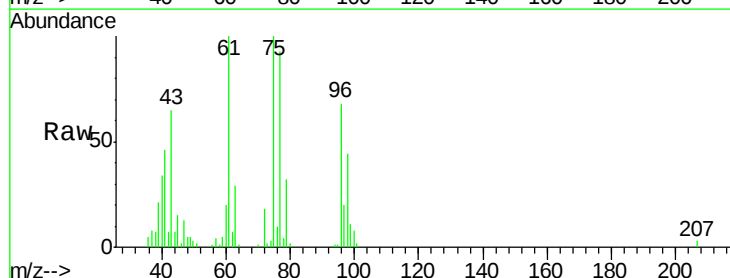
Acq: 04 Mar 2020 14:15

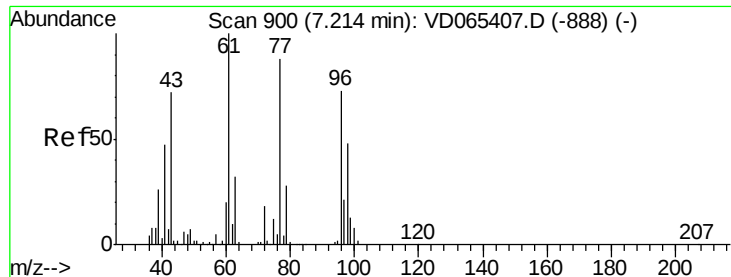
Tgt Ion: 77 Resp: 42634

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.4





#27

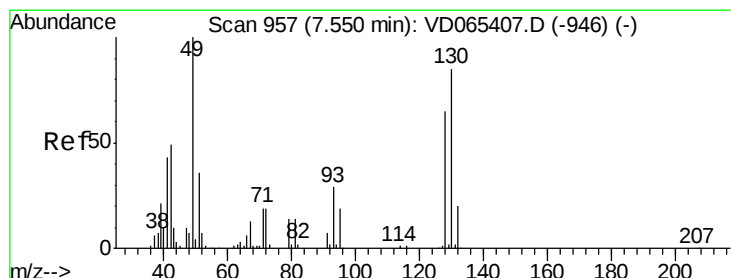
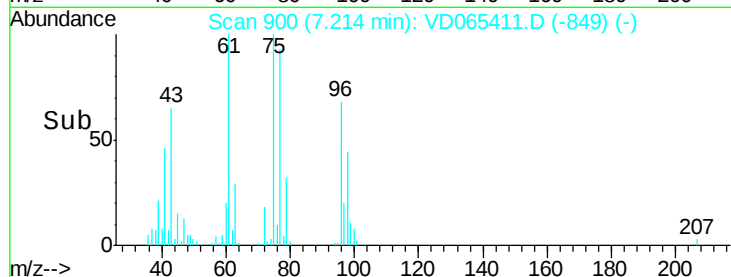
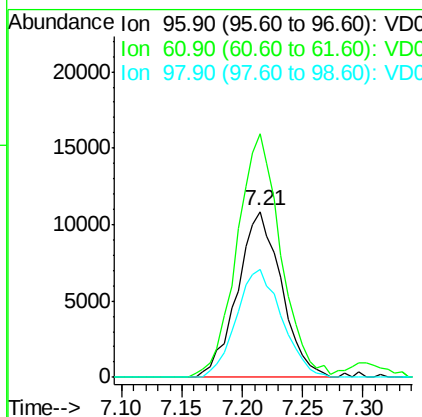
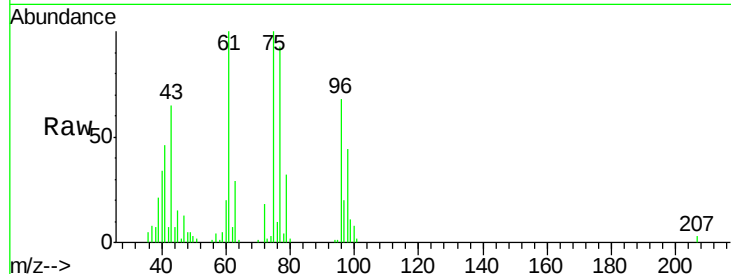
cis-1,2-Dichloroethene
Concen: 5.302 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	280.4
98	67.7	0.0	132.6

Manual Integrations
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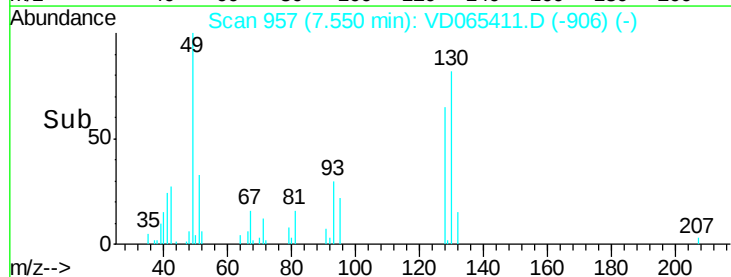
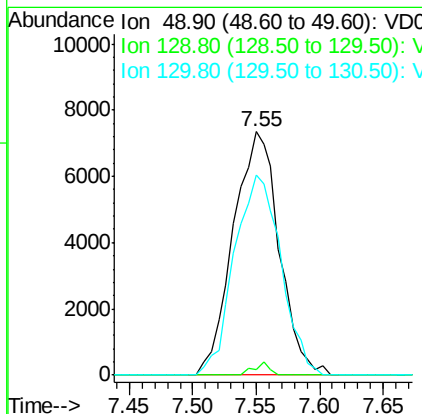
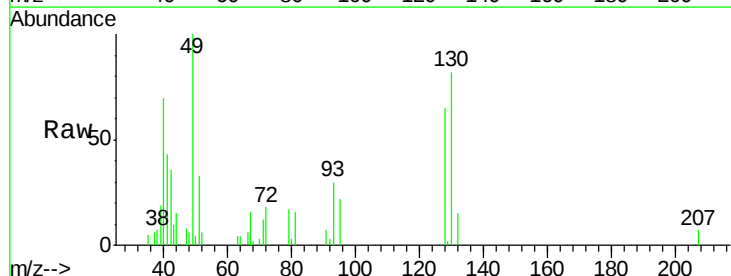
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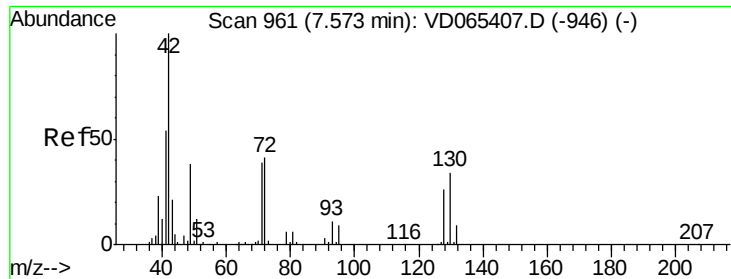


#28

Bromochloromethane
Concen: 5.486 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	83.5	66.6	100.0





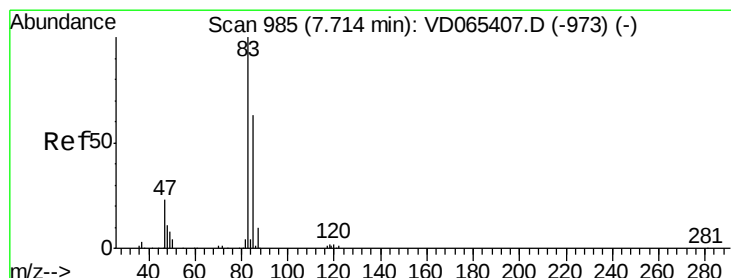
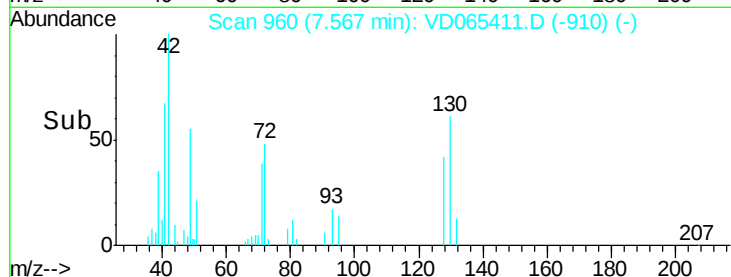
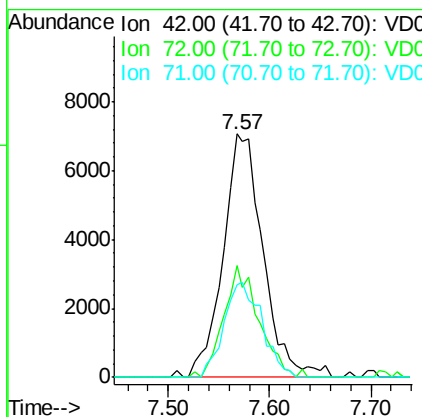
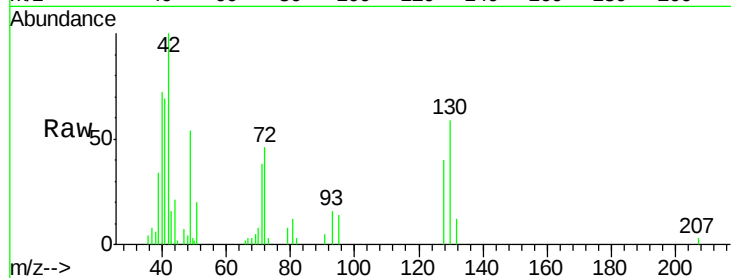
#29
Tetrahydrofuran
Concen: 25.782 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	33.0	49.6
71	37.1	32.0	48.0

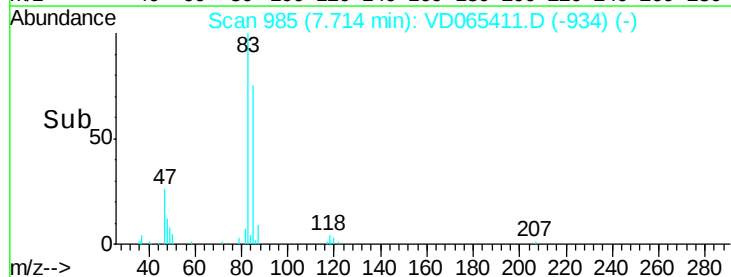
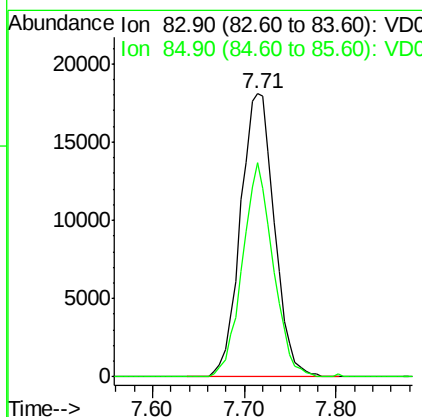
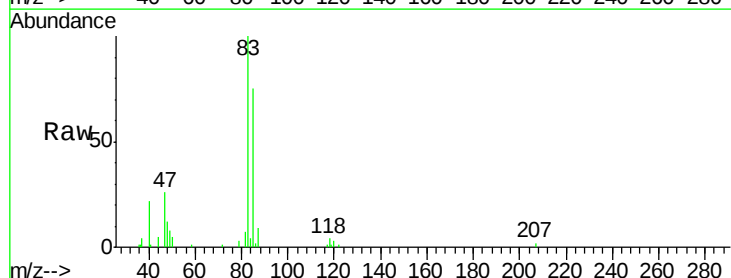
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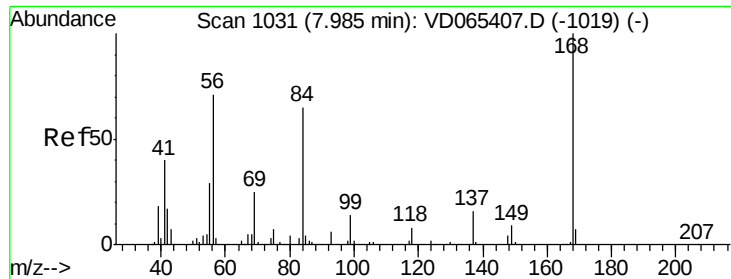
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#30
Chloroform
Concen: 5.519 ug/l m
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	75.5	50.3	75.5#





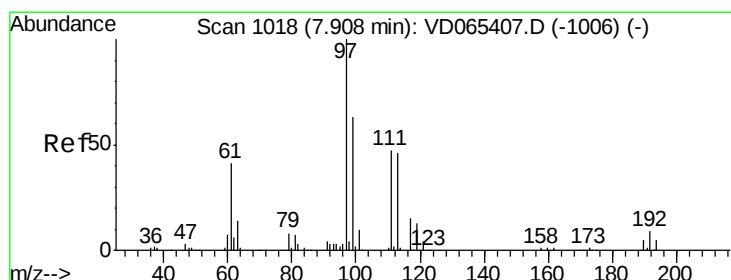
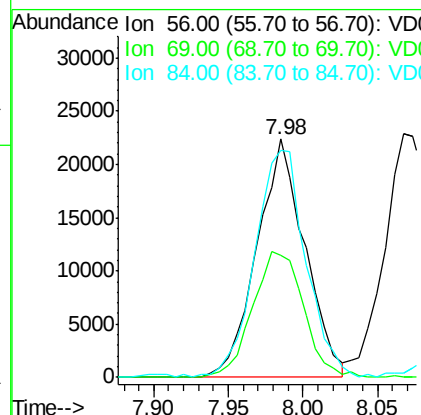
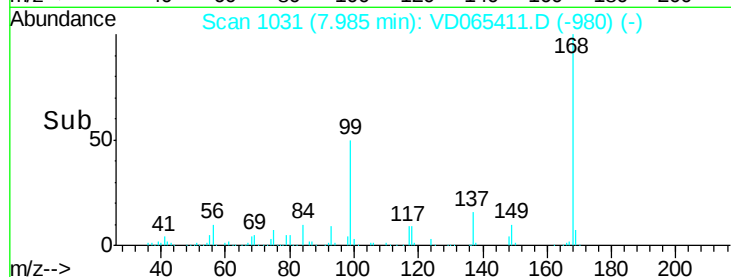
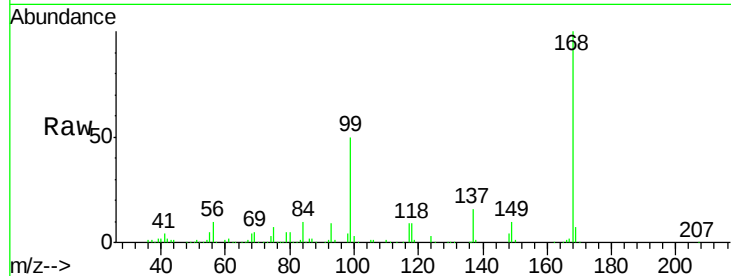
#31
Cyclohexane
Concen: 6.036 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	51.2	28.3	42.5#
84	95.6	73.1	109.7

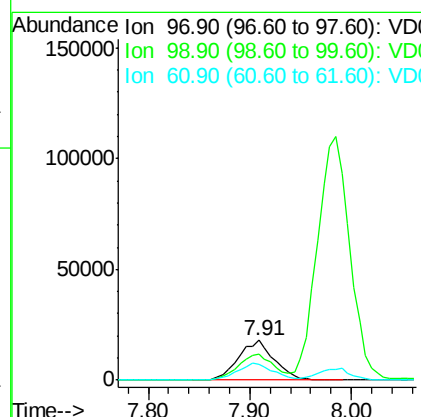
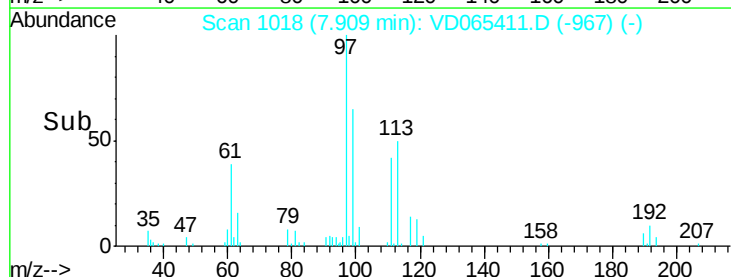
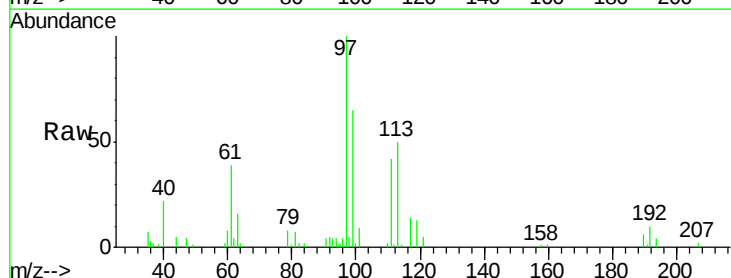
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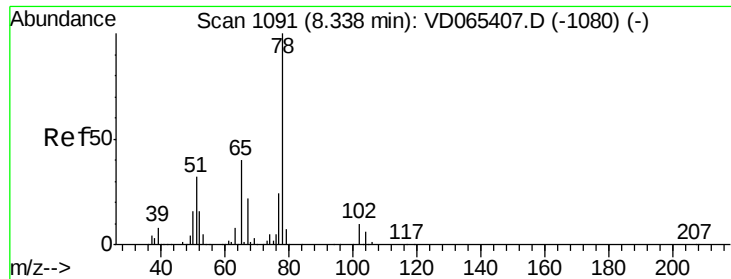
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.743 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.9	76.3
61	41.5	33.2	49.8





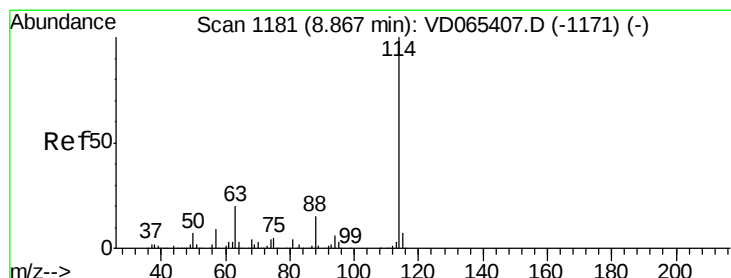
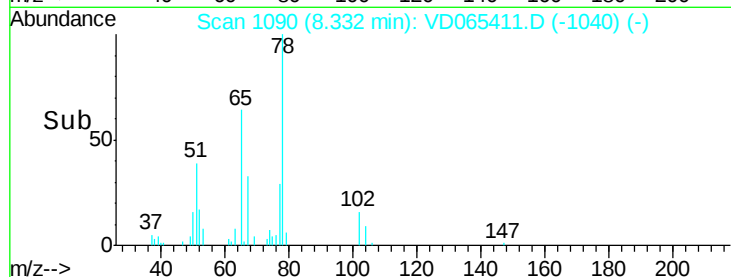
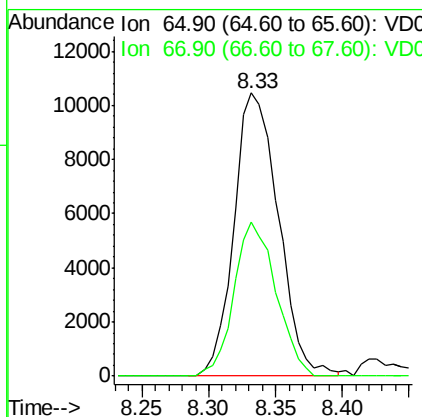
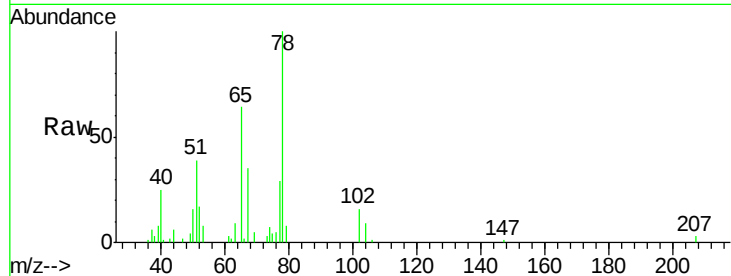
#33
 1,2-Dichloroethane-d4
 Concen: 5.778 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	108.0

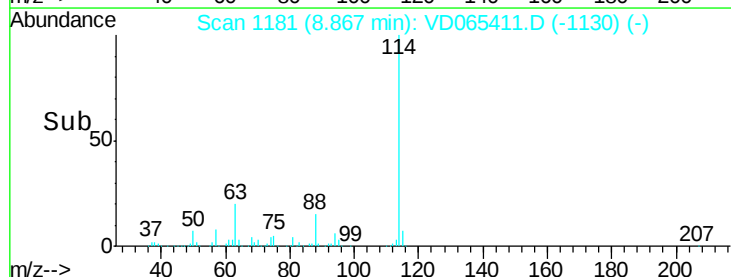
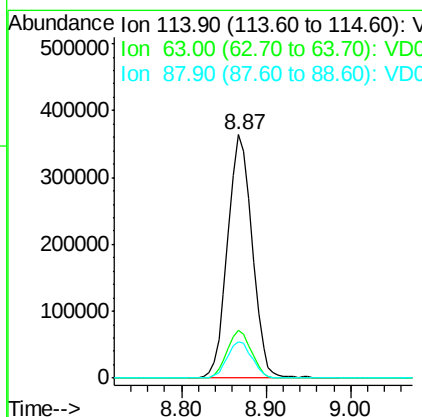
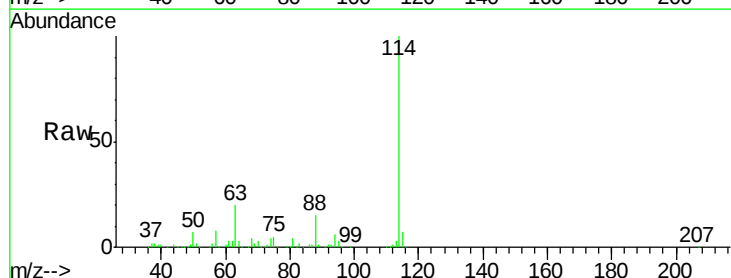
Manual Integrations
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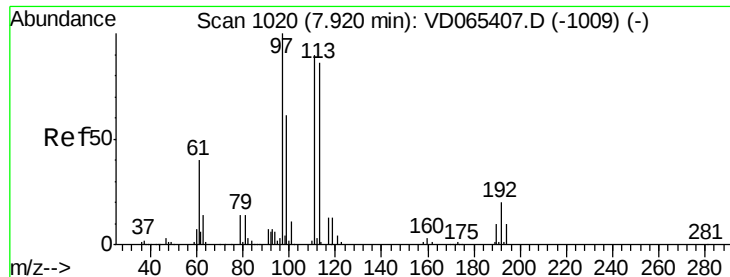
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.6
88	14.9	0.0	30.4





#35

Dibromofluoromethane

Concen: 5.708 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

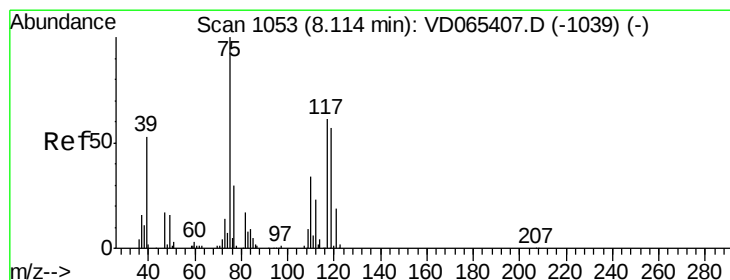
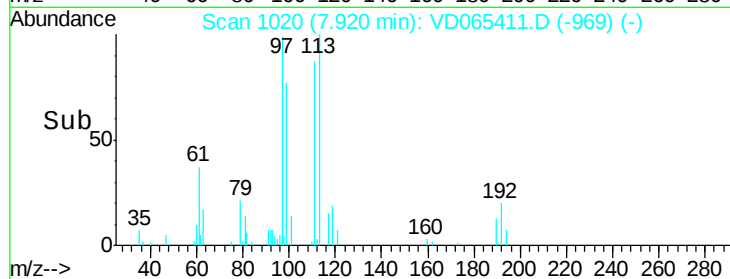
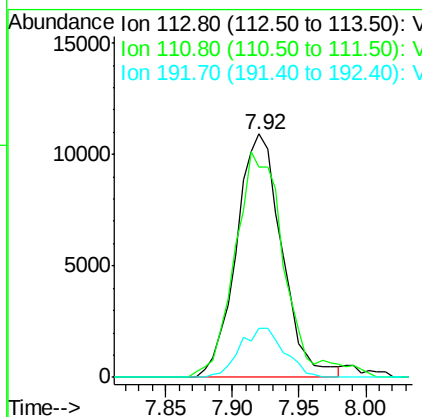
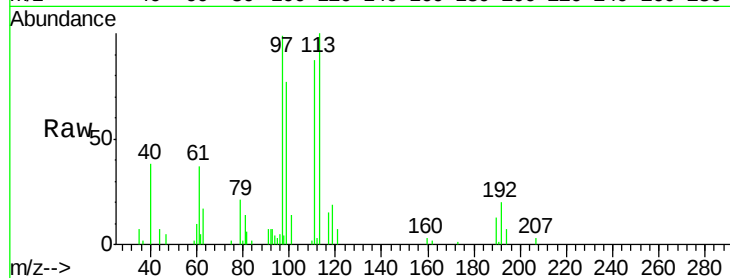
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	25815
Ion Ratio	Lower	Upper	
113	100		
111	100.7	82.1	123.1
192	19.8	17.2	25.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.611 ug/l

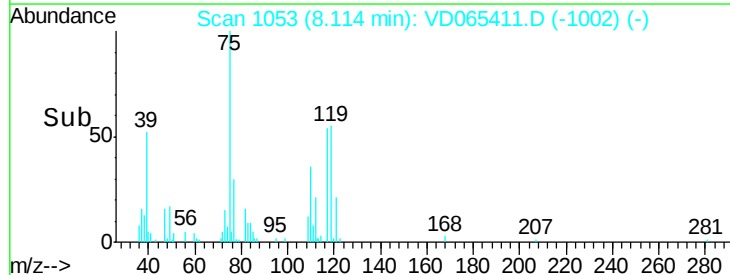
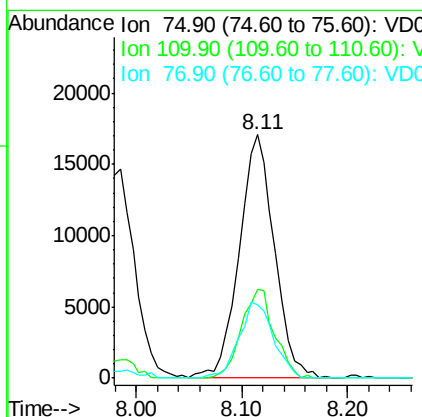
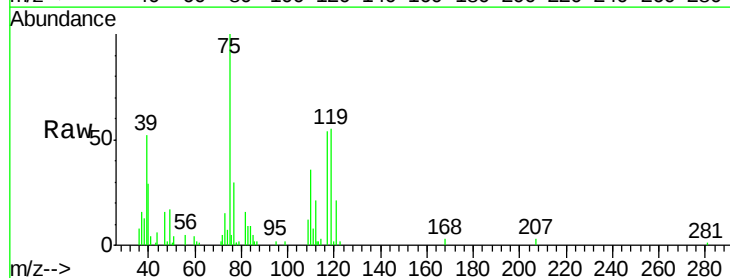
RT: 8.11 min Scan# 1053

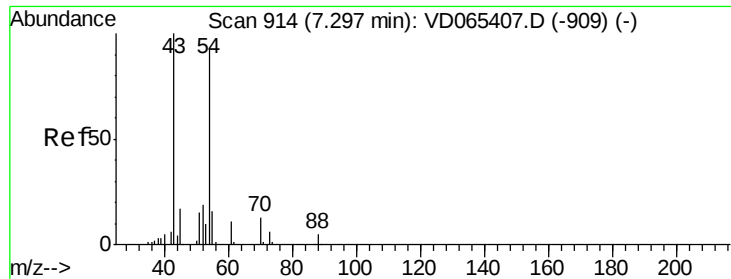
Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion:	75	Resp:	39357
Ion Ratio	Lower	Upper	
75	100		
110	34.4	18.1	54.1
77	30.4	25.2	37.8





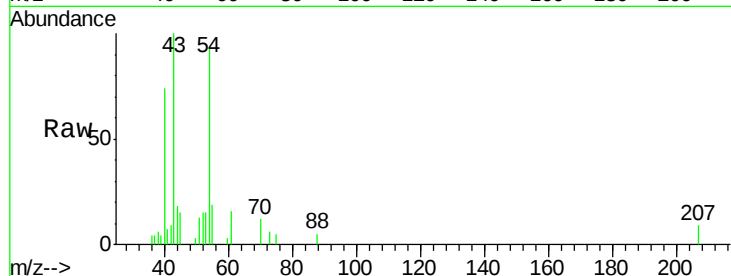
#37
Ethyl Acetate
Concen: 5.518 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

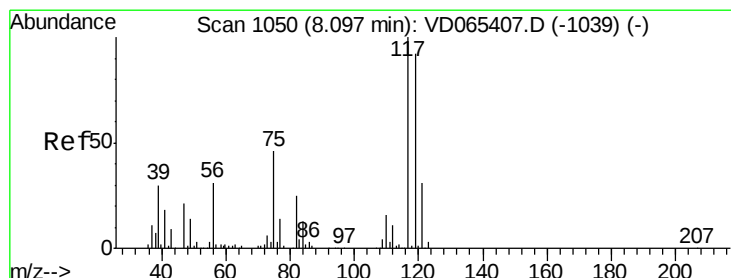
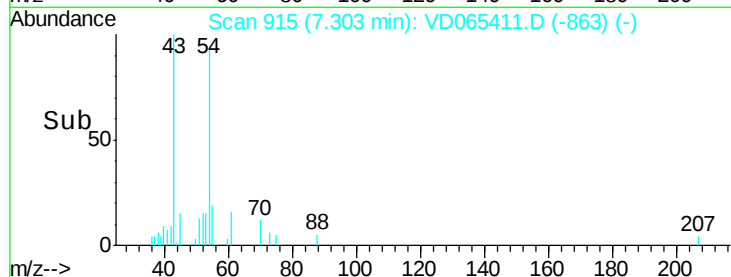
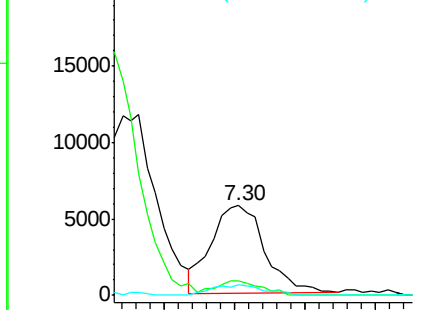
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.4	17.0
70	11.7	9.0	13.4

Manual Integrations
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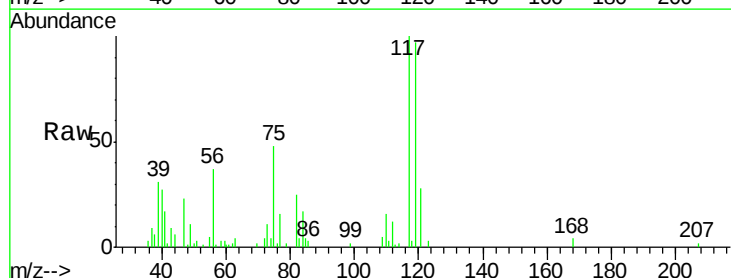


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

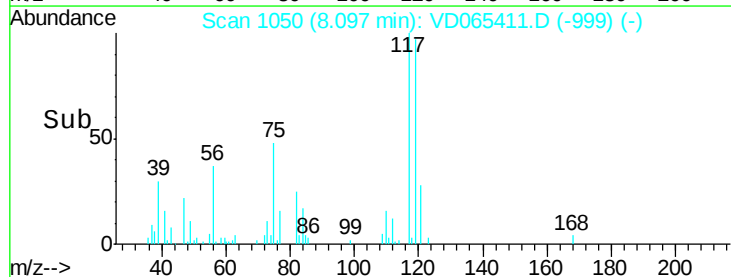
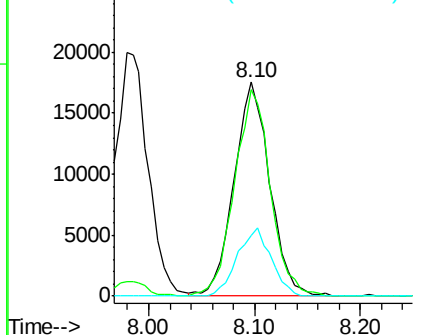


#38
Carbon Tetrachloride
Concen: 5.689 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.3	109.9
121	28.1	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





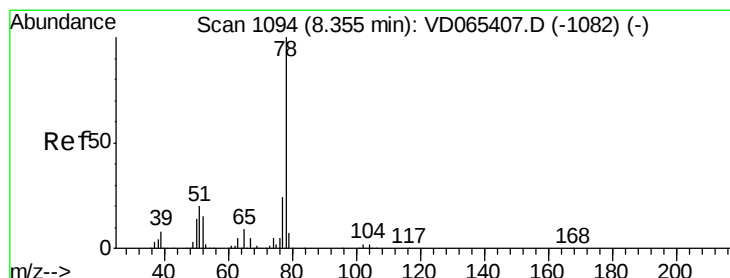
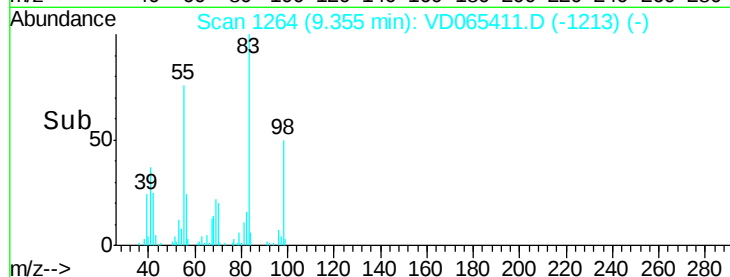
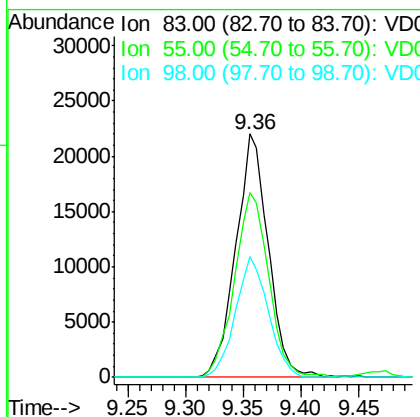
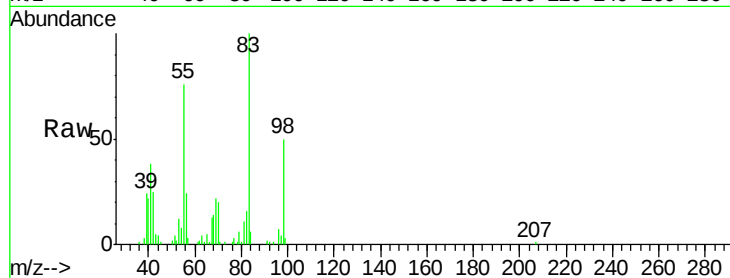
#39
Methvlcvclohexane
Concen: 5.144 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	57.1	85.7
98	49.6	37.8	56.8

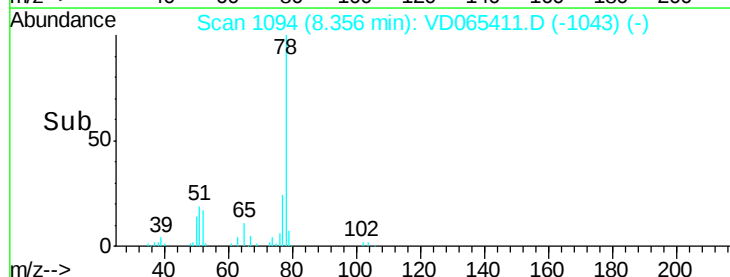
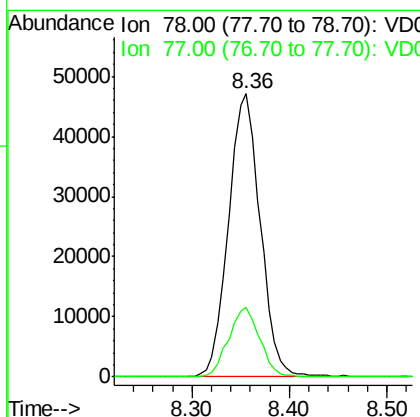
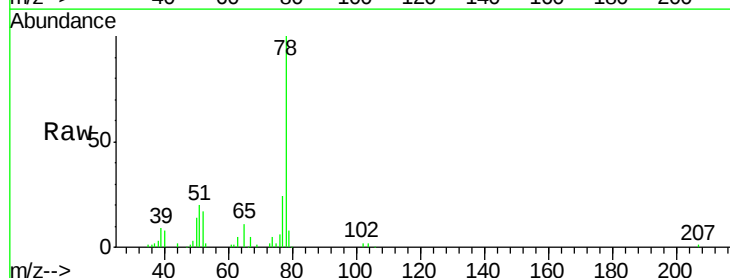
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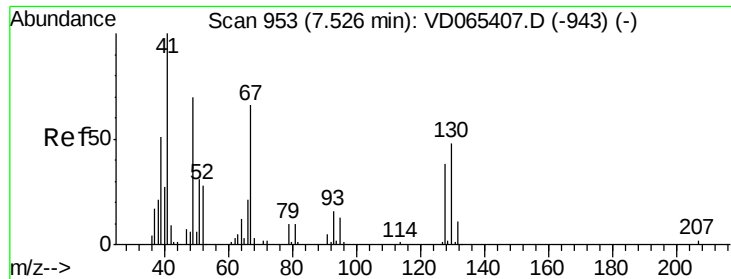
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#40
Benzene
Concen: 5.414 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





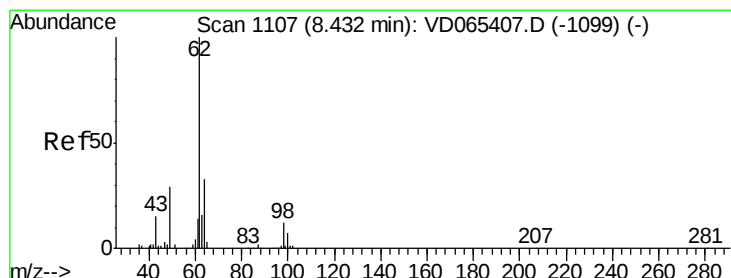
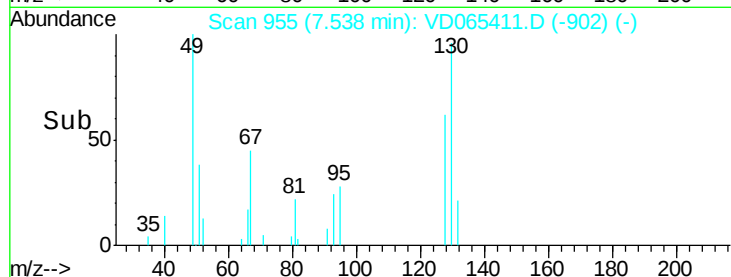
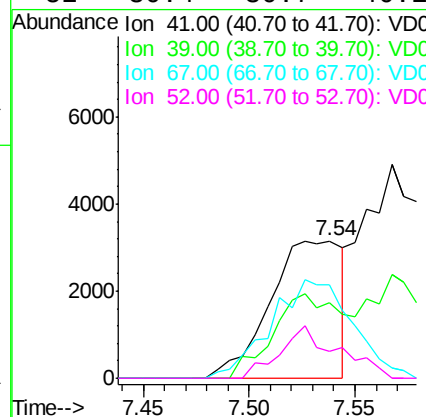
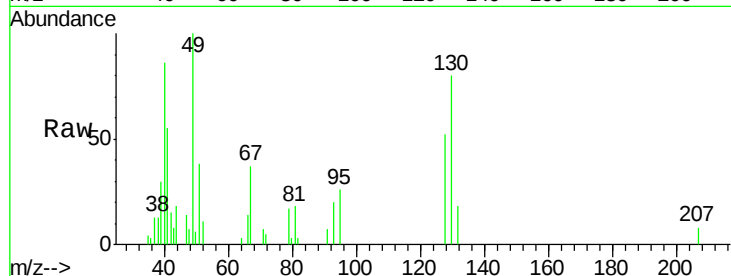
#41
Methacrylonitrile
Concen: 5.401 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	7535
Ion	Ratio	Lower	Upper
41	100		
39	60.8	55.0	82.6
67	80.6	70.3	105.5
52	30.4	30.7	46.1#

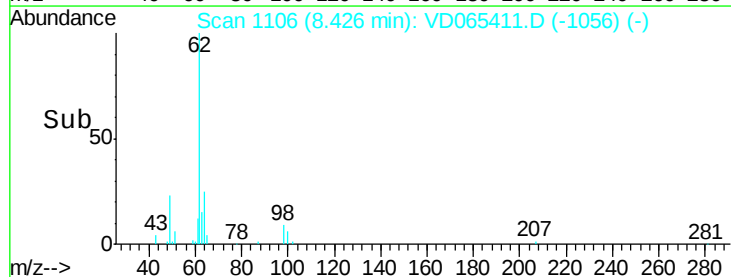
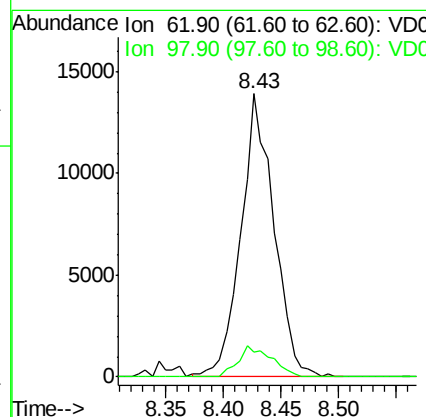
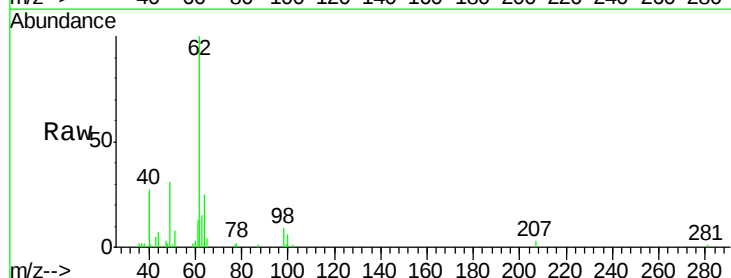
Manual Integrations
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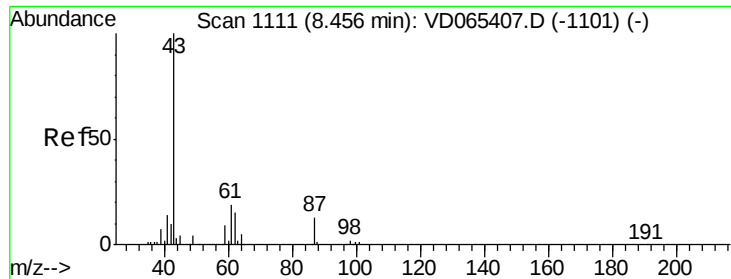
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#42
1,2-Dichloroethane
Concen: 5.350 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	62	Resp	27680
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.4





#43

Isopropyl Acetate

Concen: 5.274 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

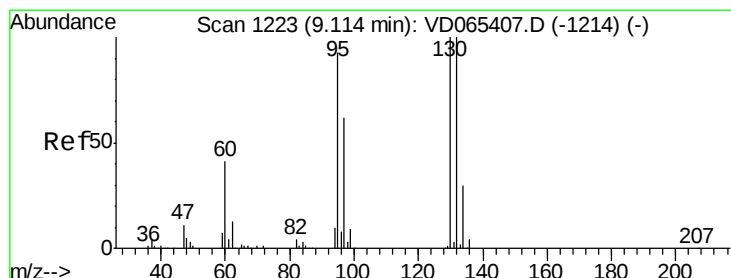
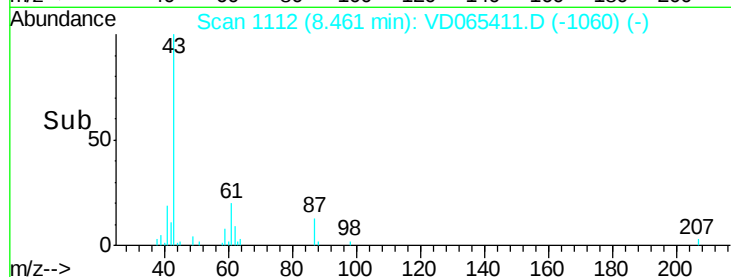
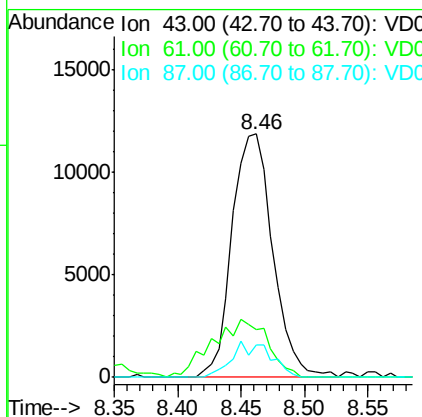
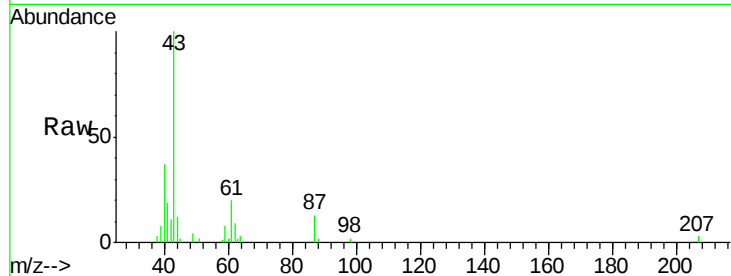
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	26497
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.0	37.6
87	13.8	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 5.455 ug/l

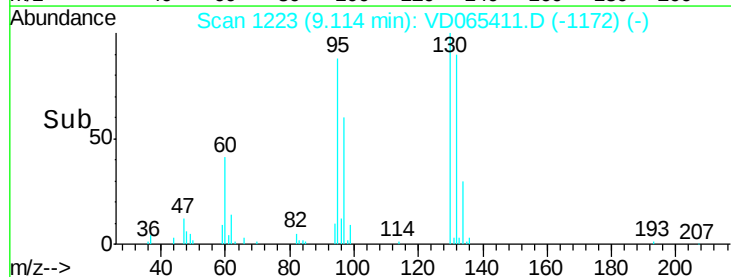
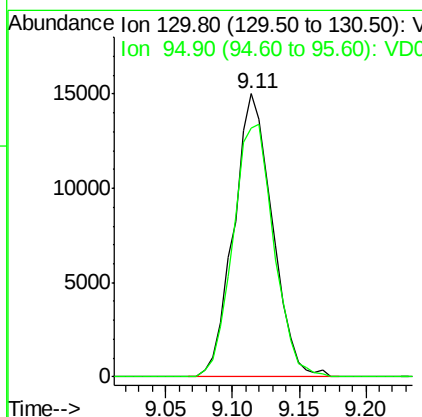
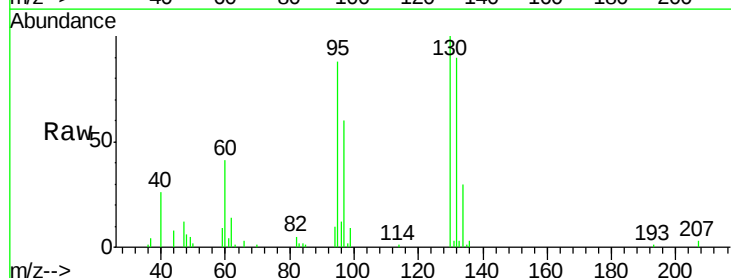
RT: 9.11 min Scan# 1223

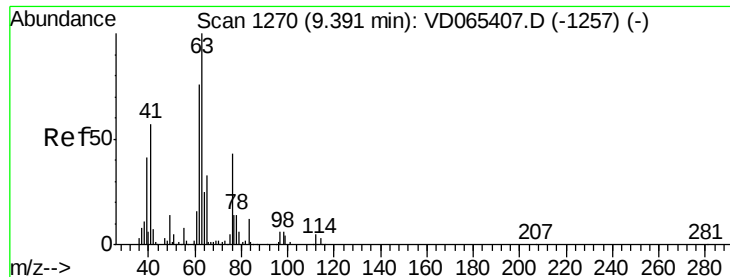
Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion:	130	Resp:	30111
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	186.0





#45

1,2-Dichloropropane

Concen: 5.267 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 25154

Ion Ratio Lower Upper

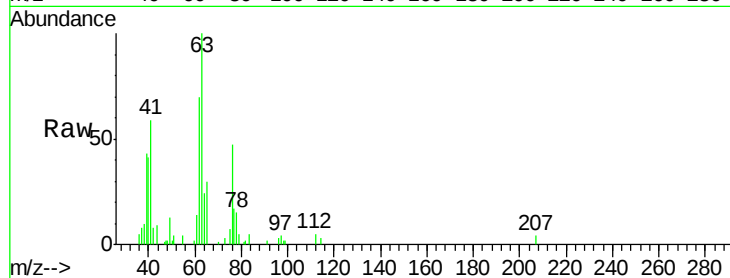
63 100

65 29.5 26.4 39.6

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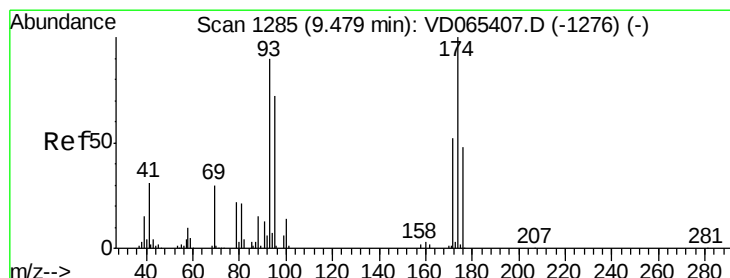
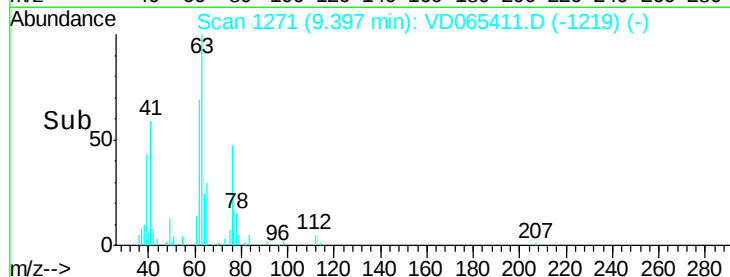
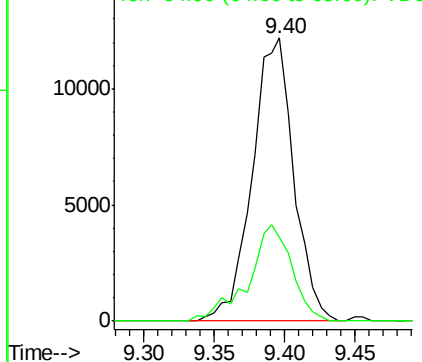
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.326 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

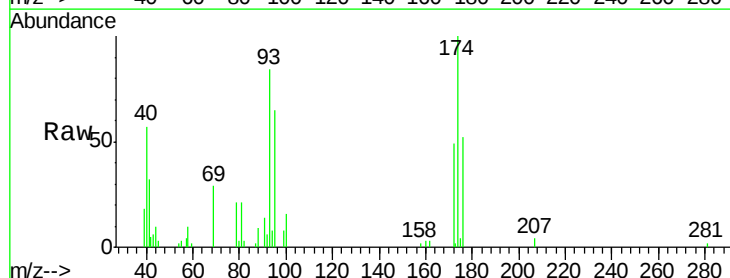
Tgt Ion: 93 Resp: 13226

Ion Ratio Lower Upper

93 100

95 83.8 65.0 97.6

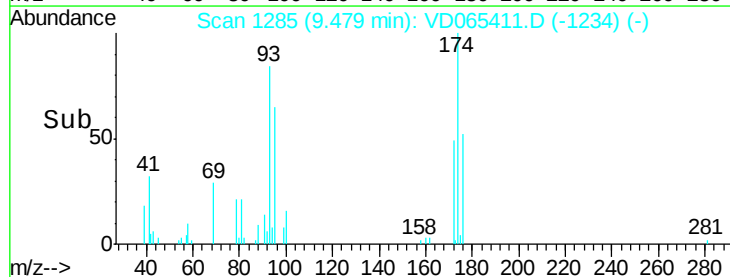
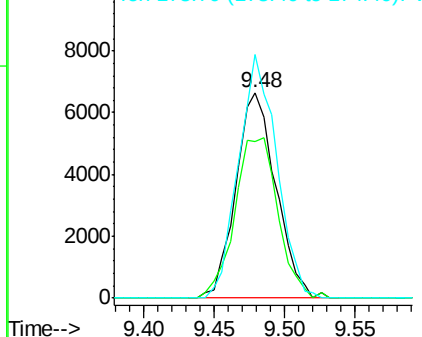
174 113.0 88.3 132.5

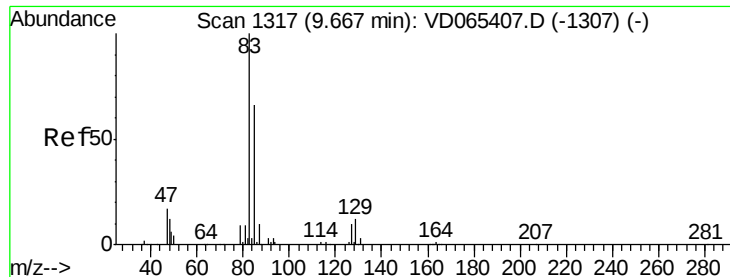


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.195 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

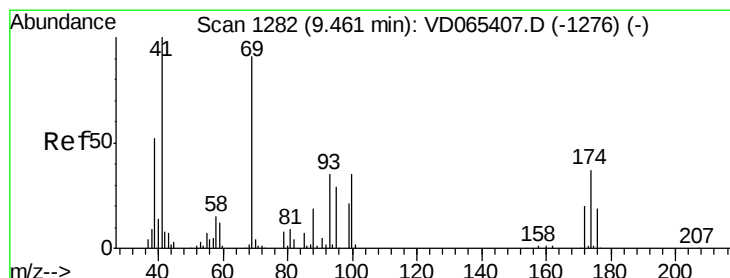
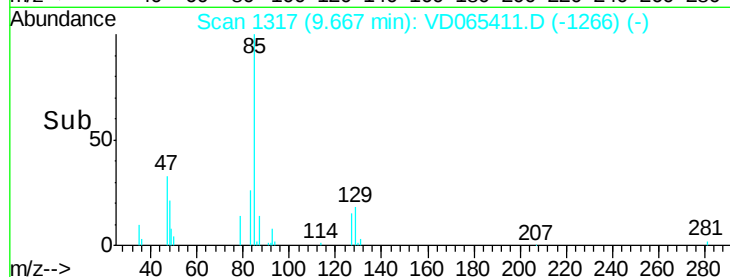
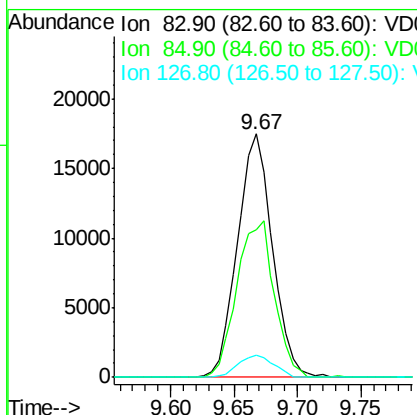
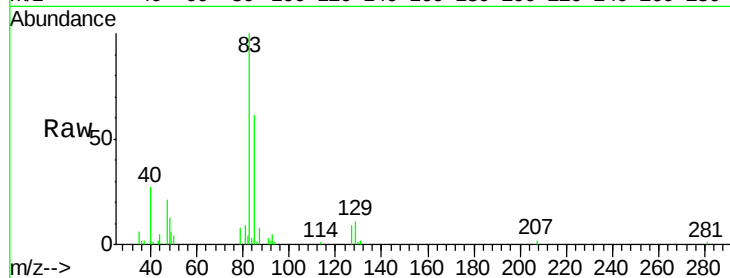
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	33490
Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.8	79.2
127	8.9	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.284 ug/l

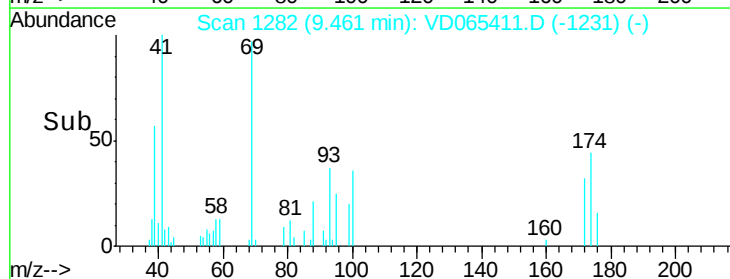
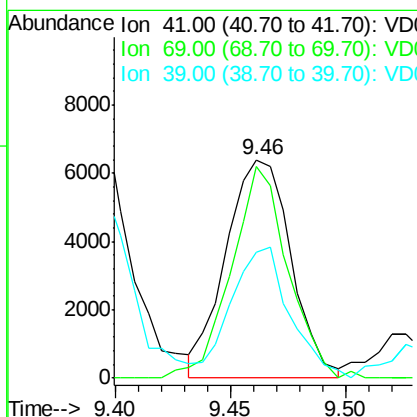
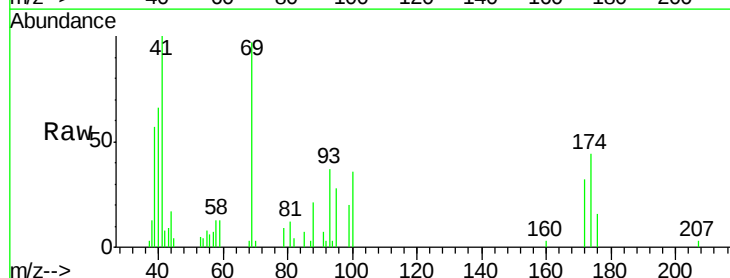
RT: 9.46 min Scan# 1282

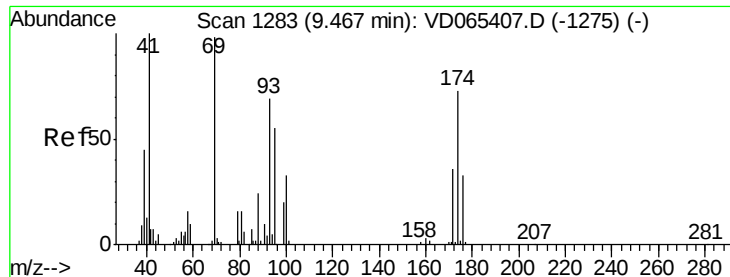
Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion:	41	Resp:	12560
Ion	Ratio	Lower	Upper
41	100		
69	84.1	72.5	108.7
39	54.3	41.6	62.4





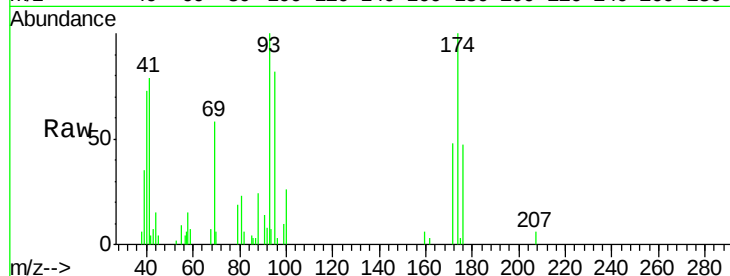
#49
1,4-Dioxane
Concen: 102.792 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

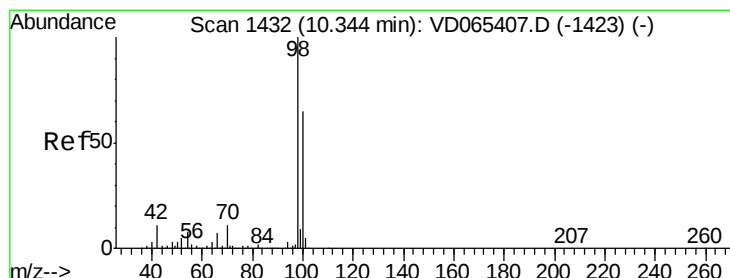
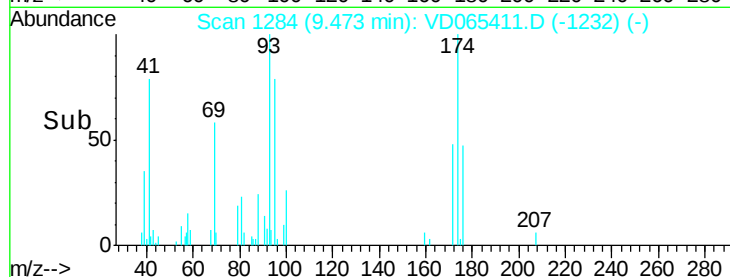
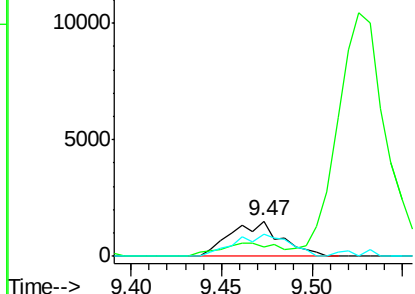
Tot Ion	Ratio	Lower	Upper
88	100		
43	41.8	24.5	36.7#
58	66.6	54.5	81.7

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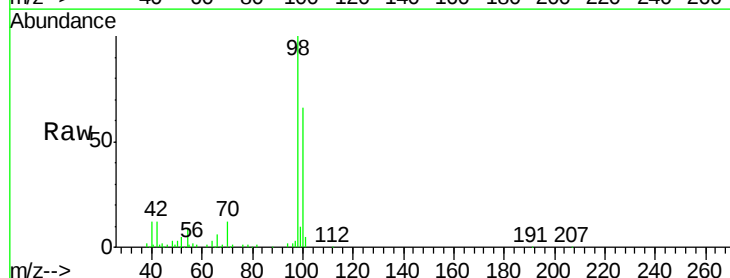


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

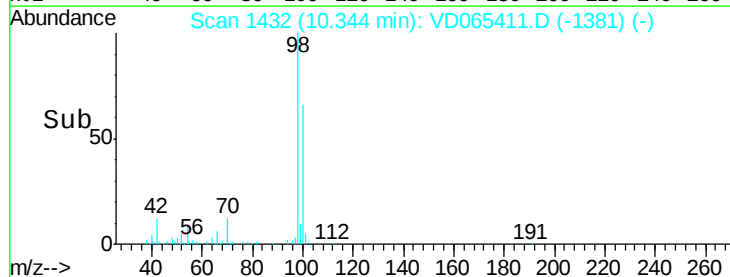
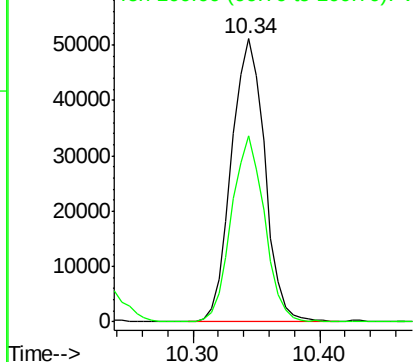


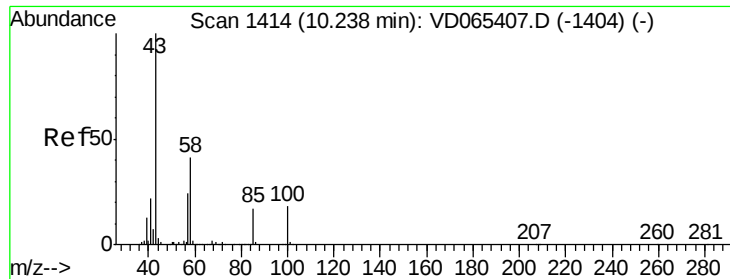
#50
Toluene-d8
Concen: 5.368 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





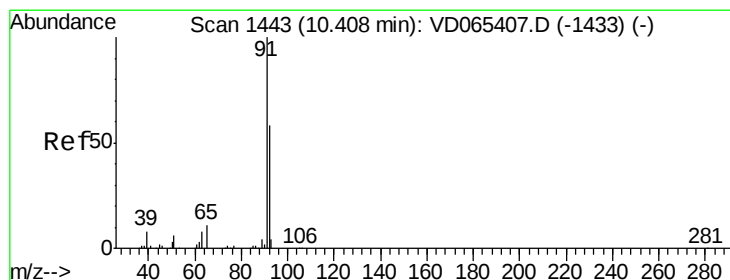
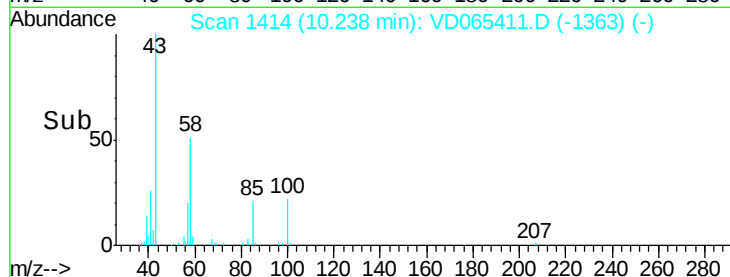
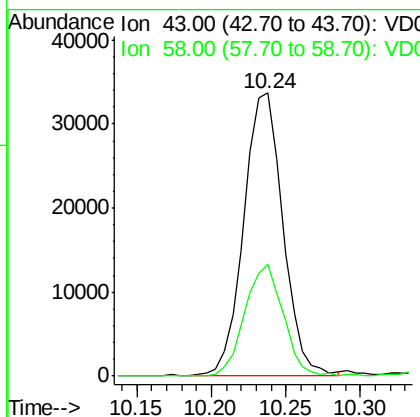
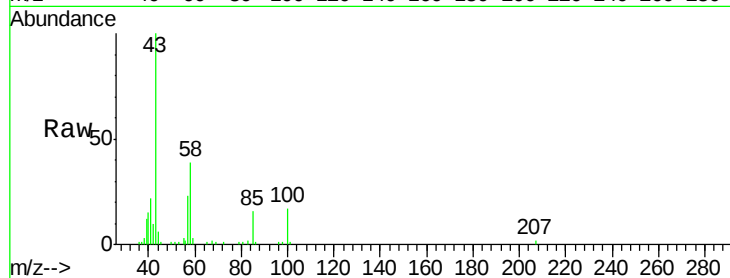
#51
4-Methyl-2-Pentanone
Concen: 24.137 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	31.8	47.6

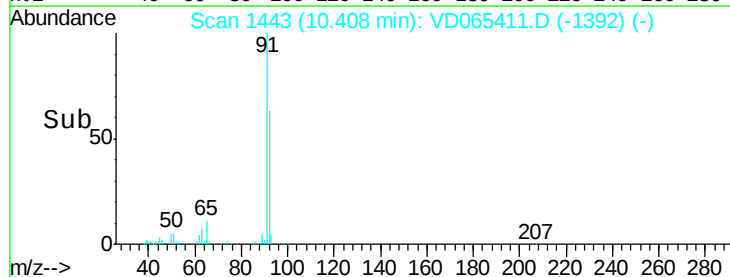
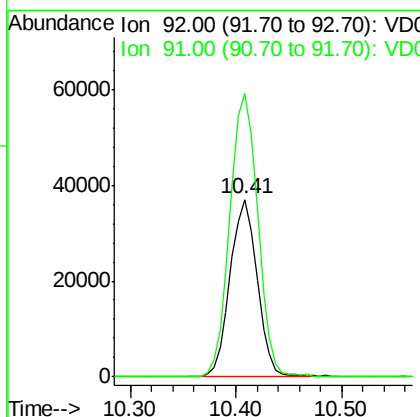
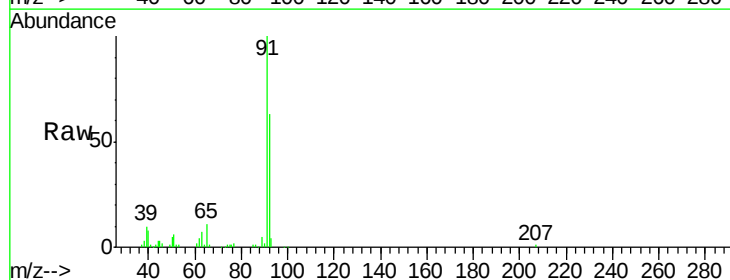
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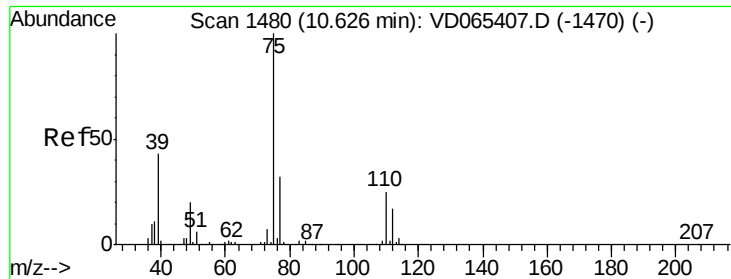
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#52
Toluene
Concen: 5.314 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	164.9	137.8	206.8





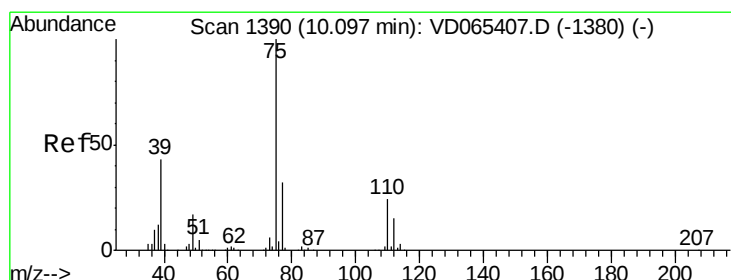
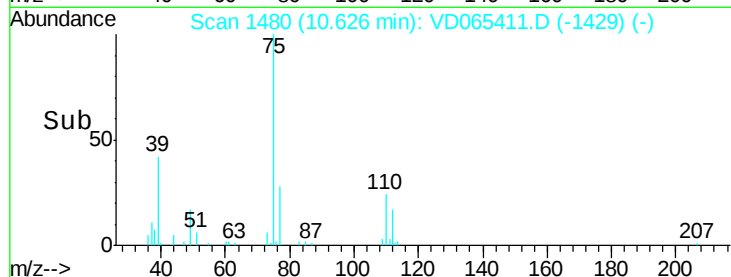
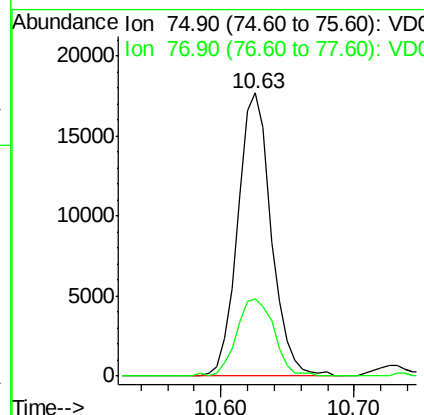
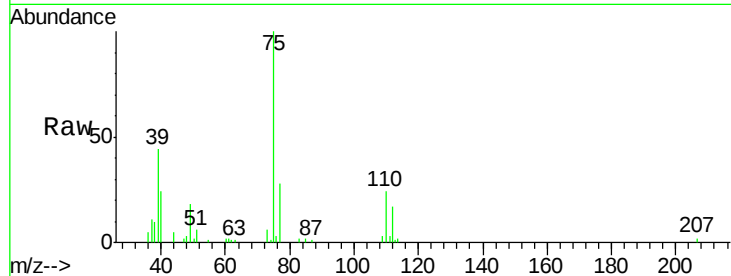
#53
t-1,3-Dichloropropene
Concen: 5.050 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.5	25.4	38.2

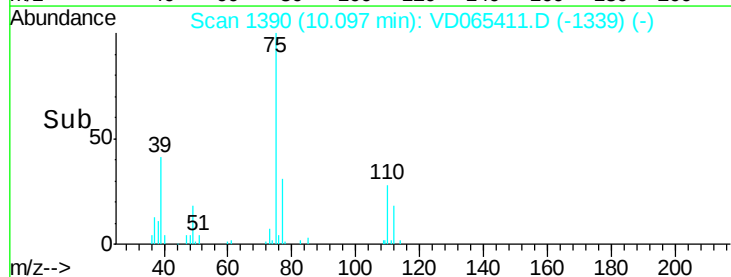
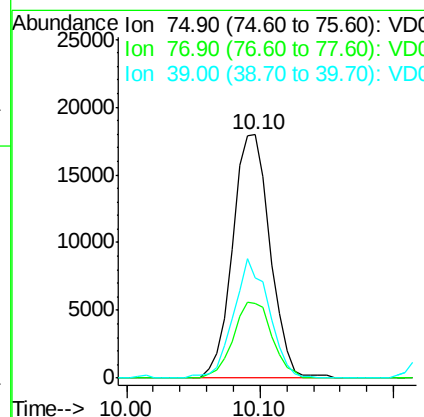
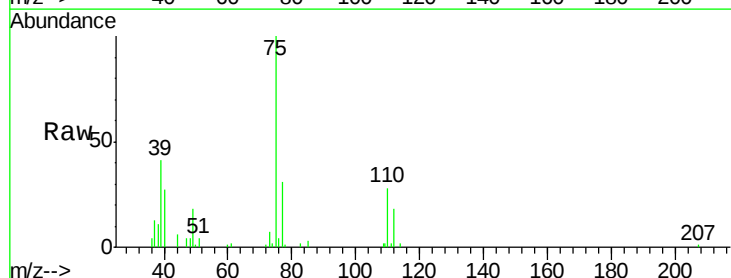
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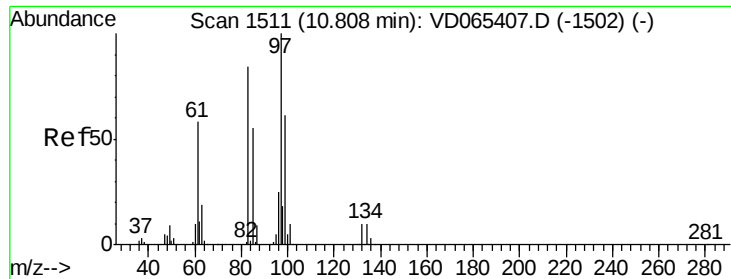
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#54
cis-1,3-Dichloropropene
Concen: 4.786 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.3	37.9
39	41.3	34.6	52.0





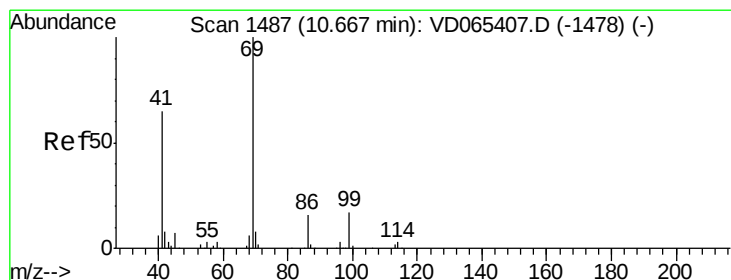
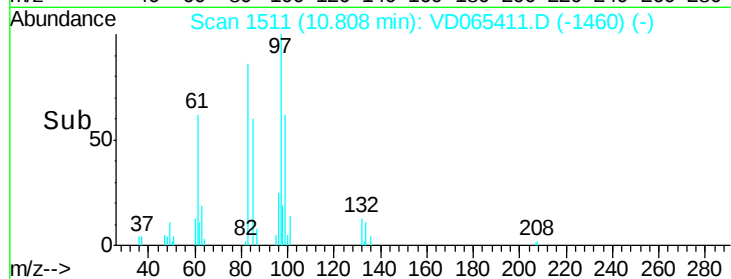
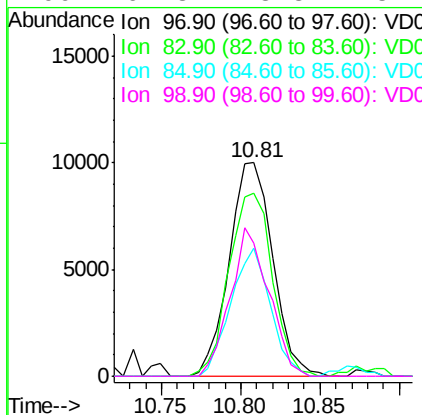
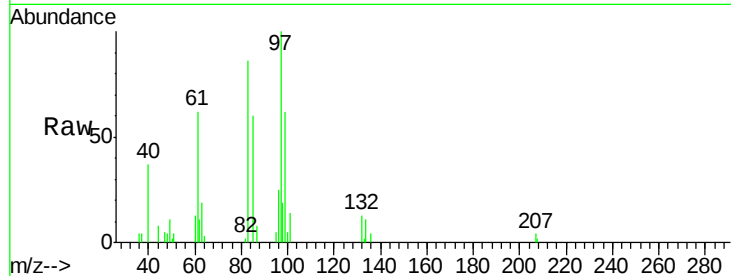
#55
 1,1,2-Trichloroethane
 Concen: 5.449 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	19136
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.4	101.0
85	59.8	43.8	65.8
99	62.3	48.8	73.2

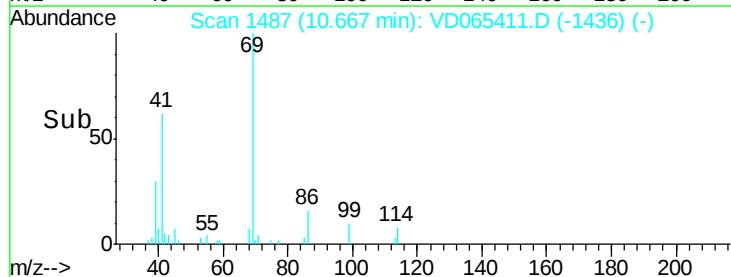
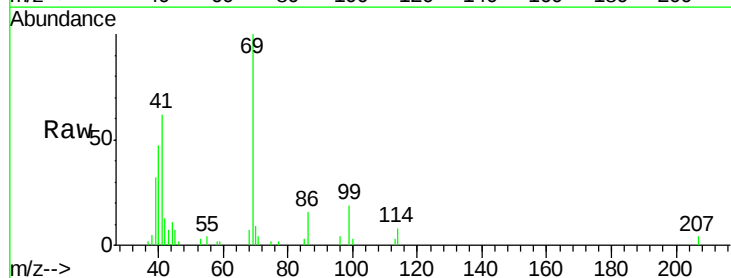
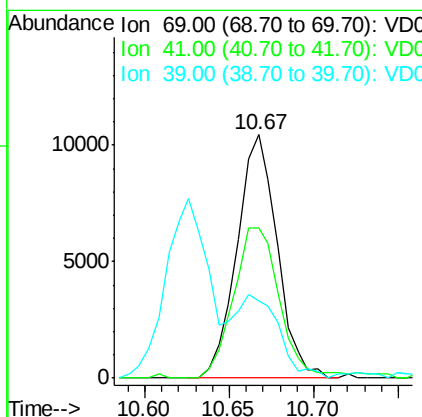
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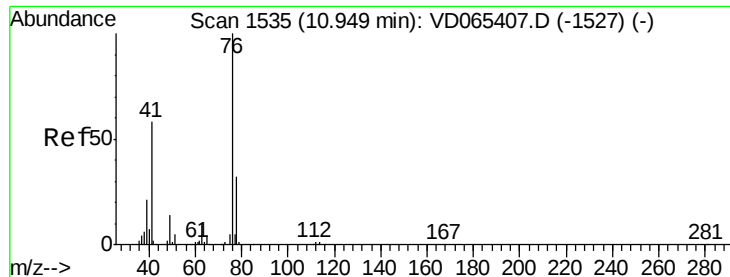
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#56
 Ethyl methacrylate
 Concen: 4.342 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion:	69	Resp:	17288
Ion	Ratio	Lower	Upper
69	100		
41	71.0	53.0	79.6
39	35.1	26.0	39.0





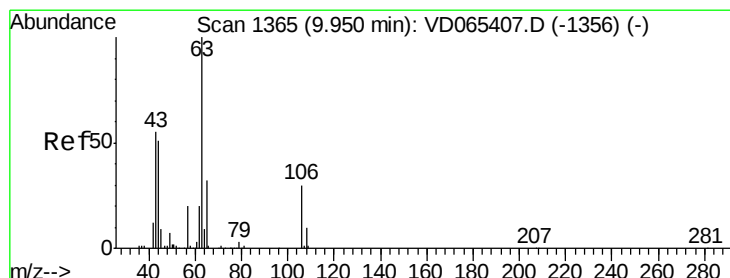
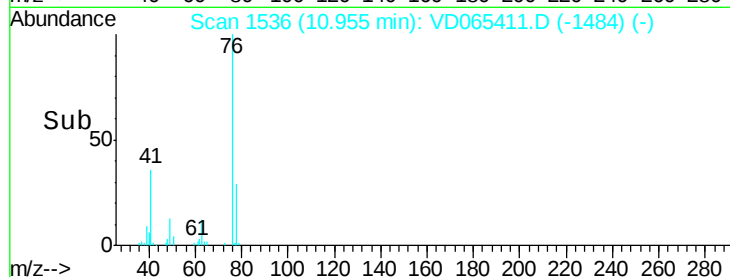
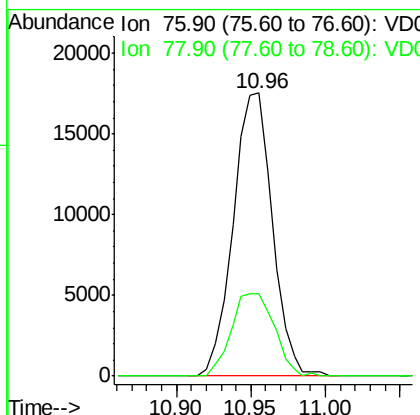
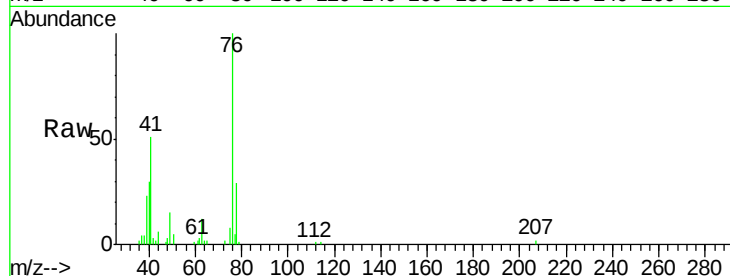
#57
 1,3-Dichloropropane
 Concen: 5.370 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

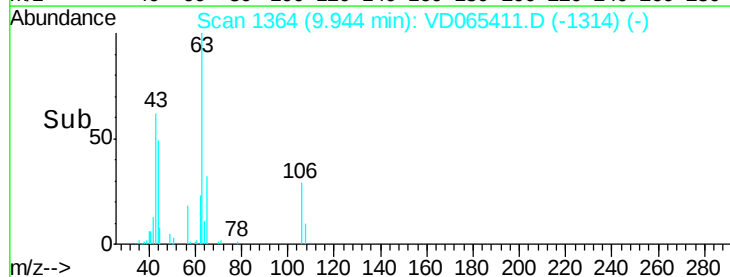
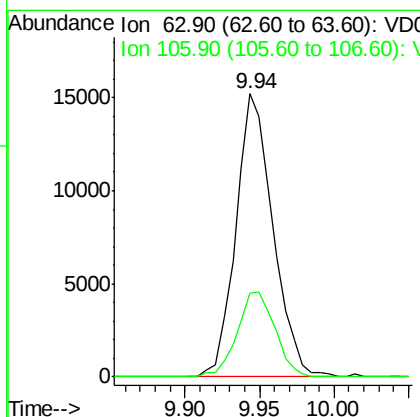
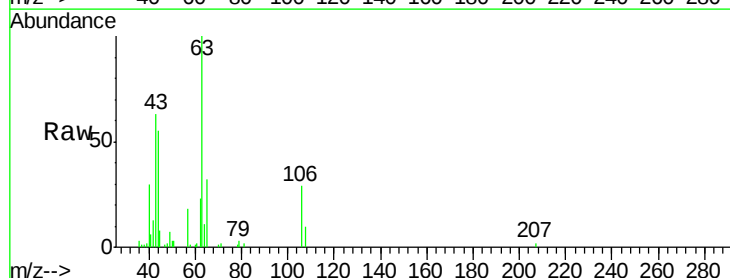
Manual Integrations
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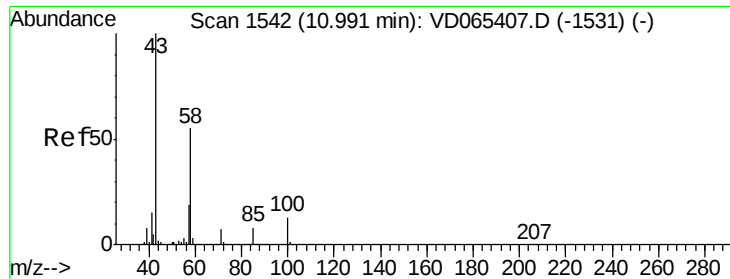
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#58
 2-Chloroethyl Vinyl ether
 Concen: 18.463 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	23.3	34.9





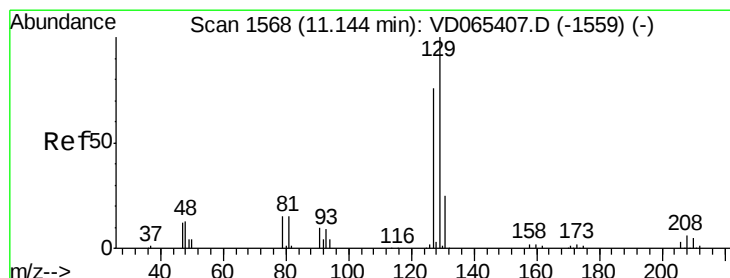
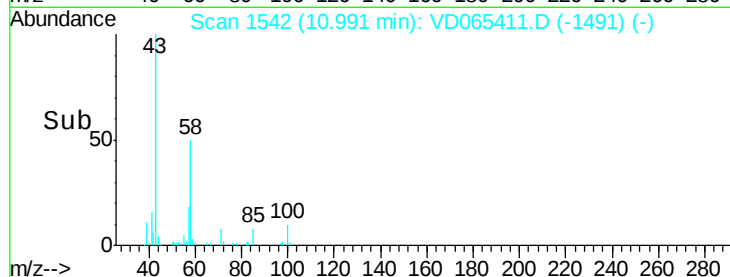
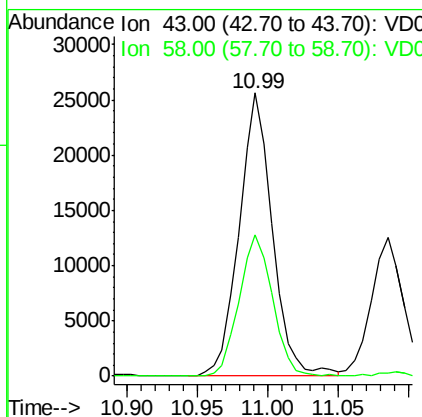
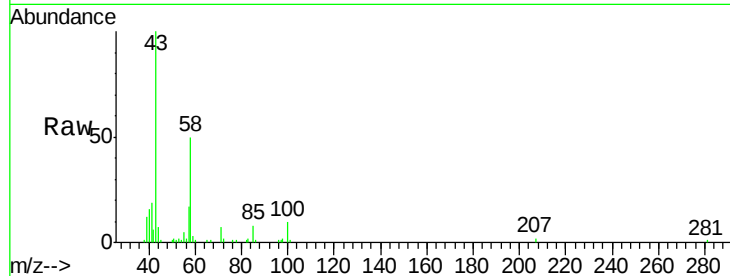
#59
2-Hexanone
Concen: 23.971 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	42226
Ion Ratio	100	Lower	Upper
43	100		
58	50.2	27.4	82.2

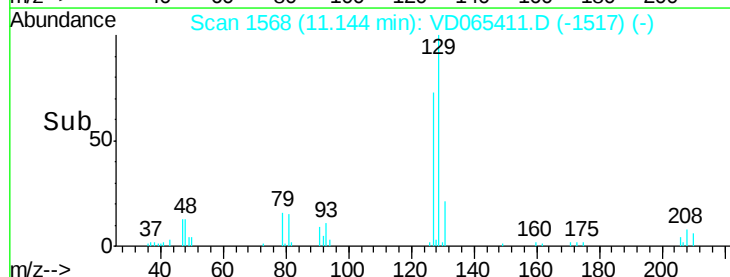
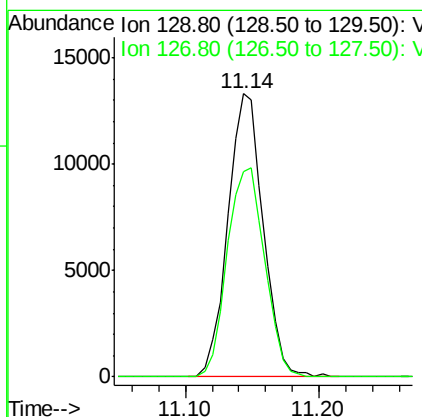
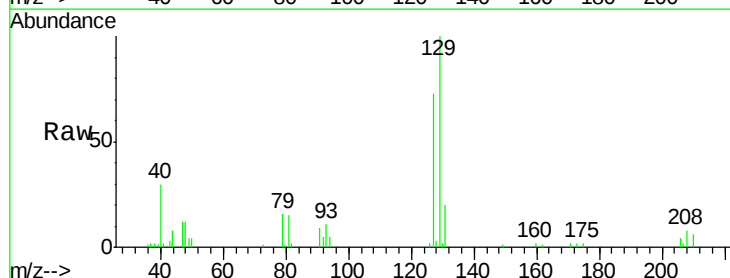
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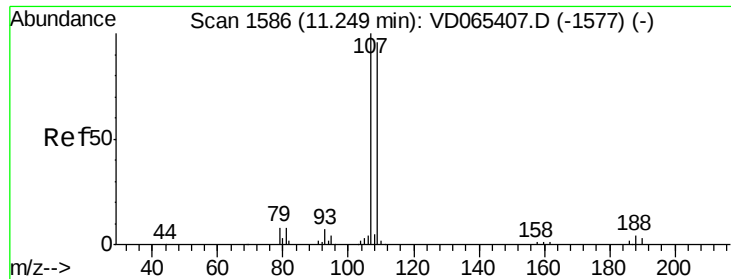
MMDadoda
3/5/2020 1:39:01 PM



#60
Dibromochloromethane
Concen: 5.430 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	129	Resp	24555
Ion Ratio	100	Lower	Upper
129	100		
127	78.2	38.5	115.5





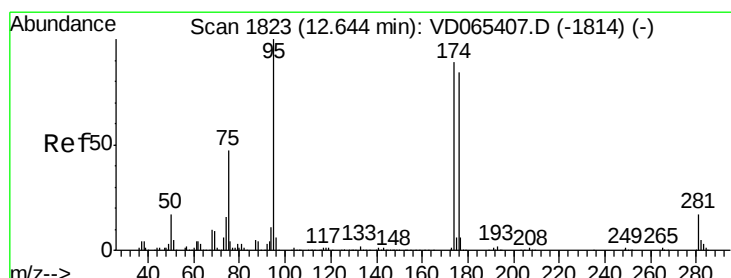
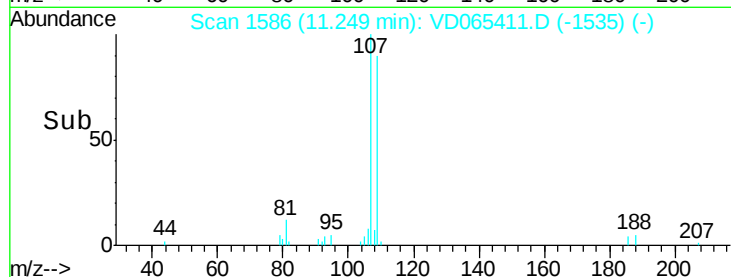
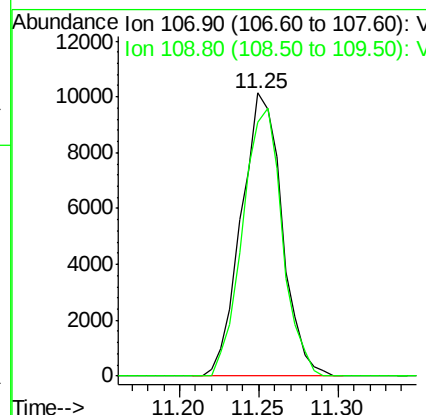
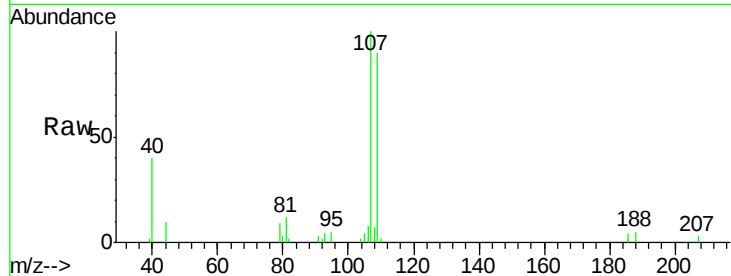
#61
1,2-Dibromoethane
Concen: 5.397 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	76.8	115.2

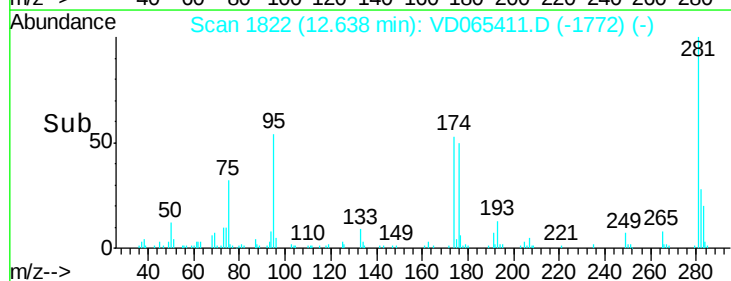
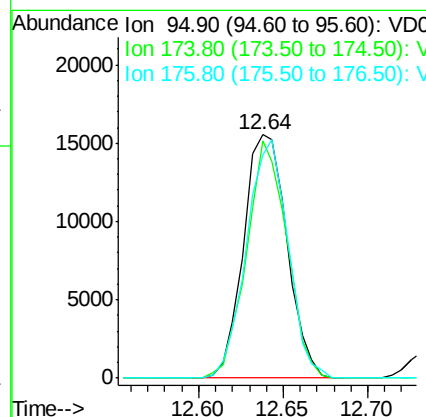
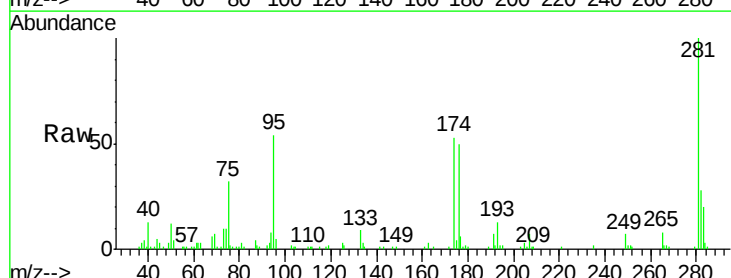
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#62
4-Bromofluorobenzene
Concen: 5.134 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	176.8
176	93.2	0.0	171.4





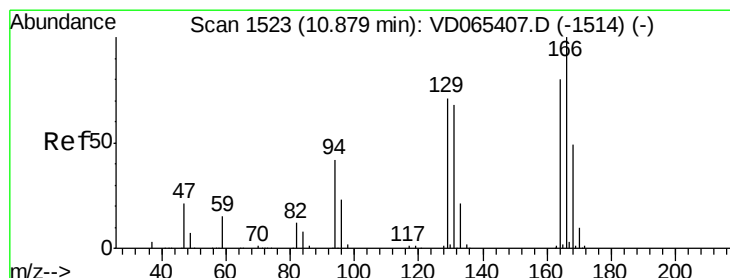
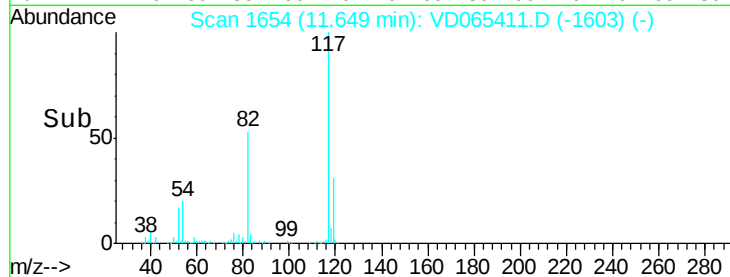
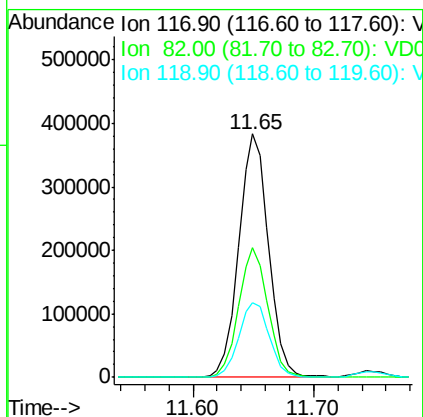
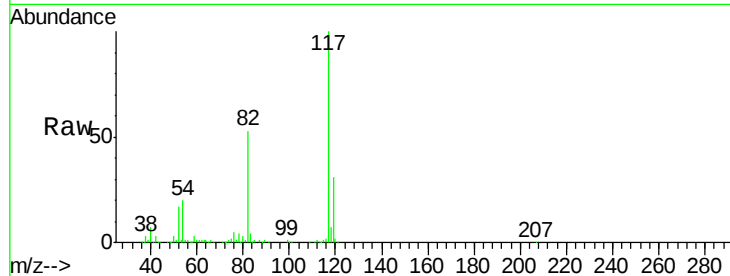
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	40.6	60.8
119	30.9	25.4	38.2

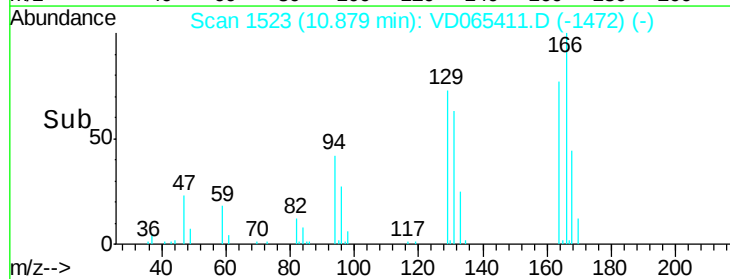
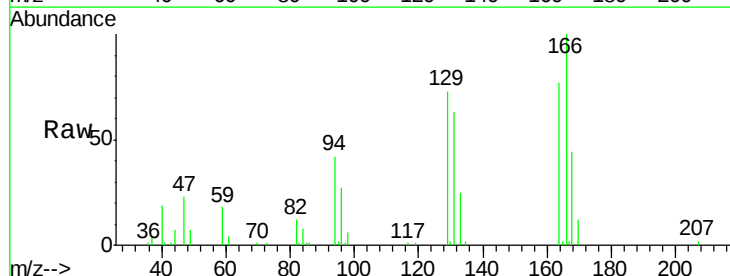
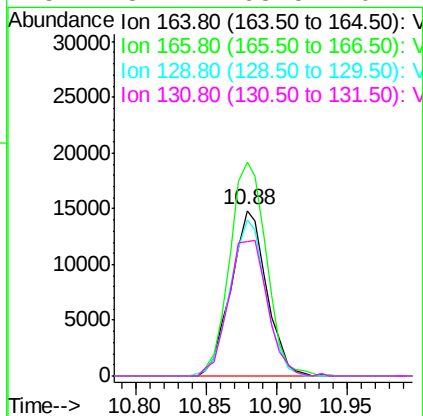
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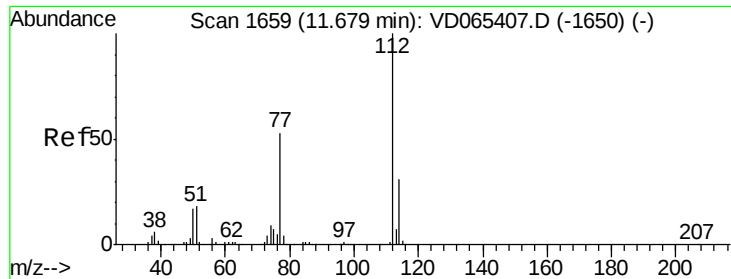
MMDadoda
3/5/2020 1:39:01 PM



#64
Tetrachloroethene
Concen: 5.541 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	100.5	150.7
129	94.5	71.5	107.3
131	81.4	68.5	102.7





#65

Chlorobenzene

Concen: 5.504 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 71987

Ion Ratio Lower Upper

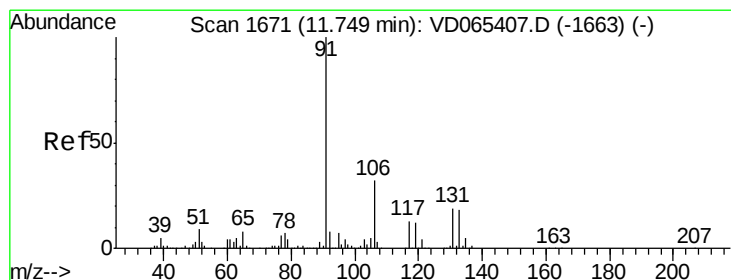
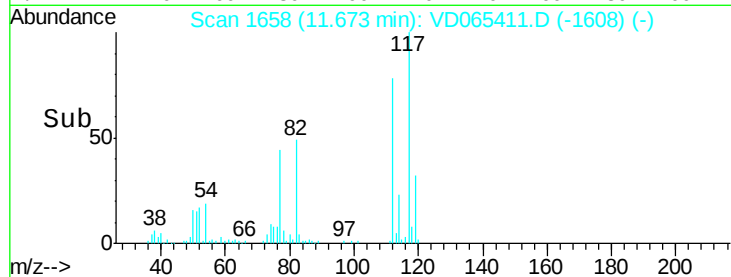
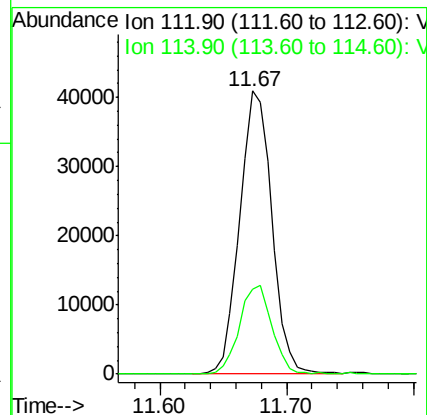
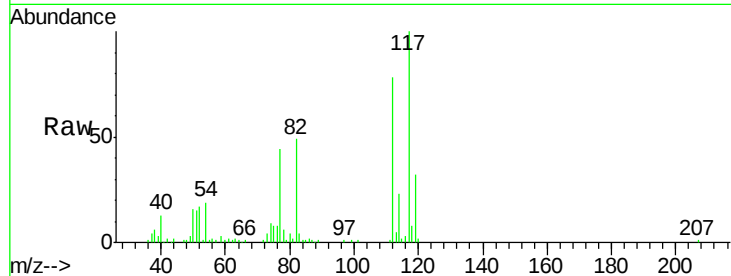
112 100

114 30.1 24.4 36.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 5.402 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

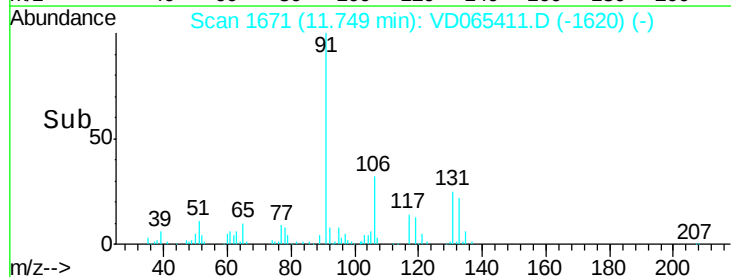
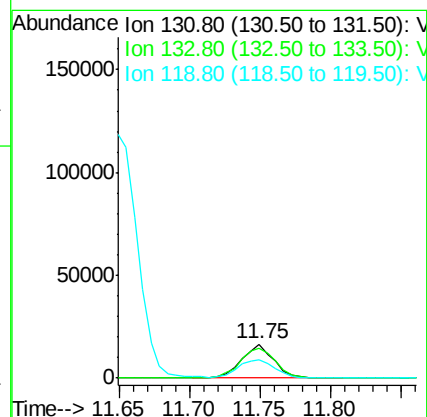
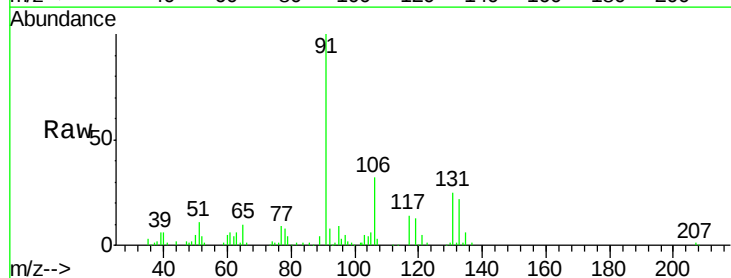
Tgt Ion:131 Resp: 25792

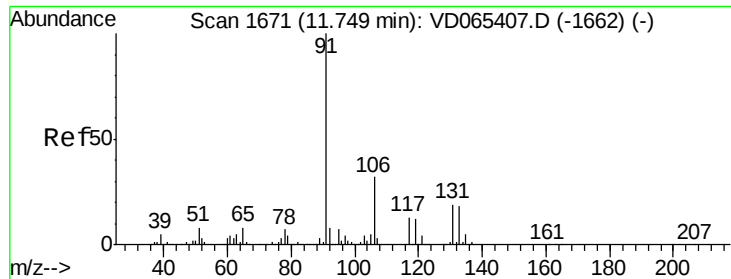
Ion Ratio Lower Upper

131 100

133 98.4 49.2 147.6

119 63.6 33.3 99.8





#67

Ethyl Benzene

Concen: 5.124 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 115514

Ion Ratio Lower Upper

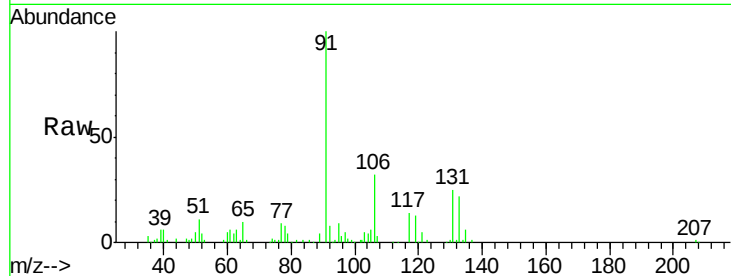
91 100

106 32.0 25.2 37.8

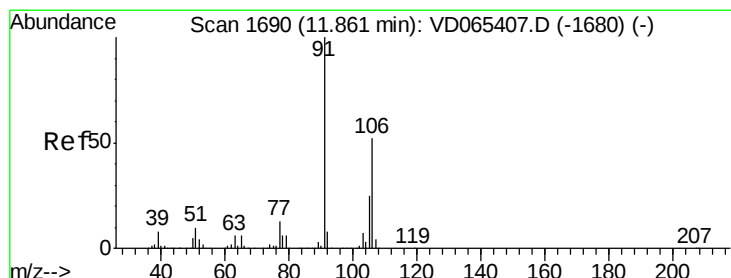
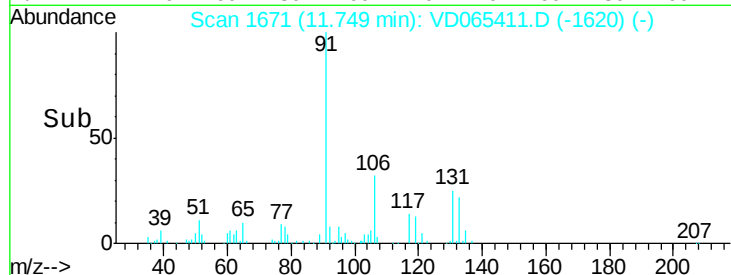
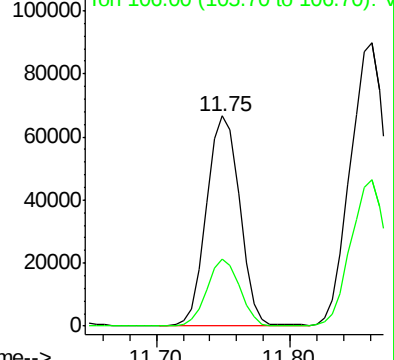
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Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1662) (-)



#68

m/p-Xylenes

Concen: 10.047 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065411.D

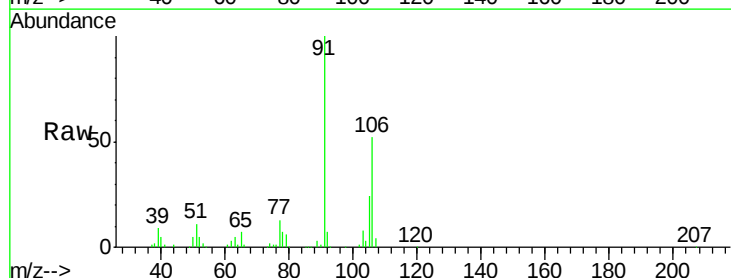
Acq: 04 Mar 2020 14:15

Tgt Ion: 106 Resp: 87326

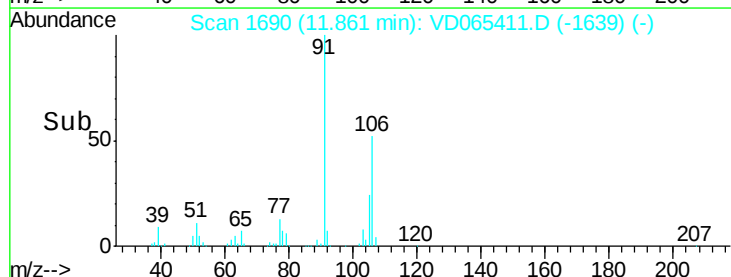
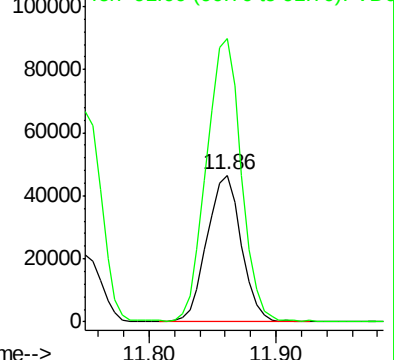
Ion Ratio Lower Upper

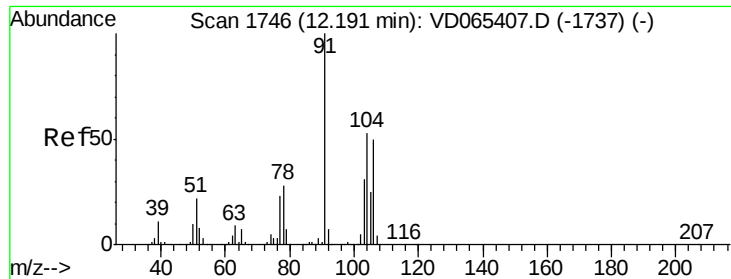
106 100

91 196.2 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VD065407.D (-1680) (-)





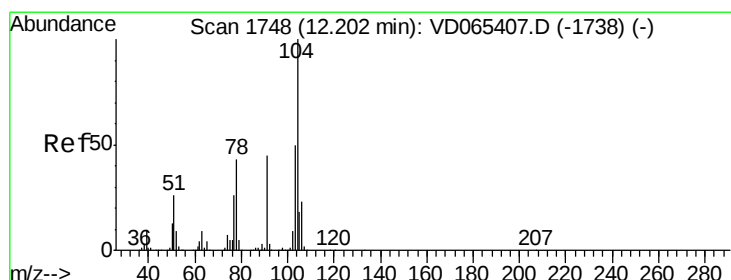
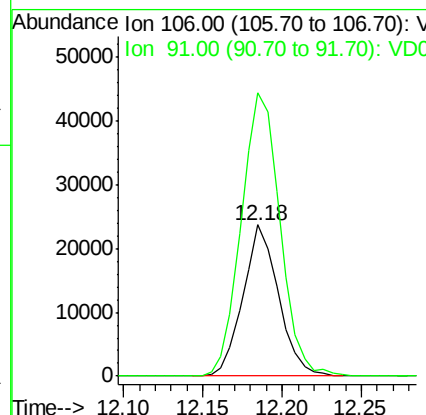
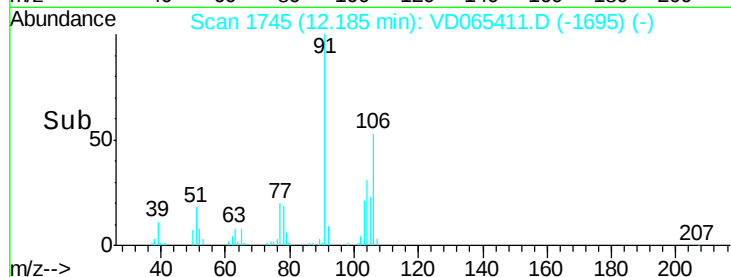
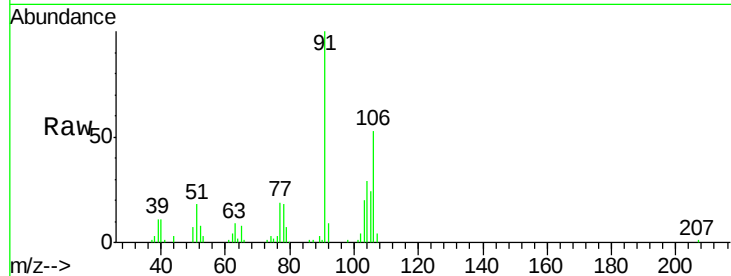
#69
o-Xylene
Concen: 4.820 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 36846
Ion Ratio Lower Upper
106 100
91 204.3 103.5 310.3

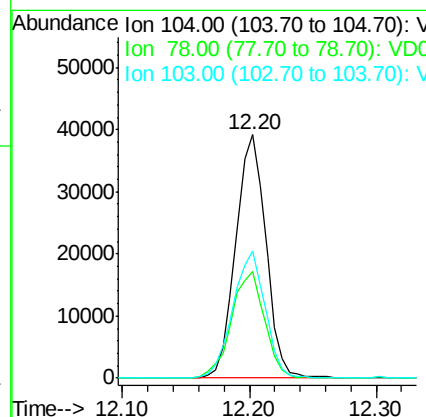
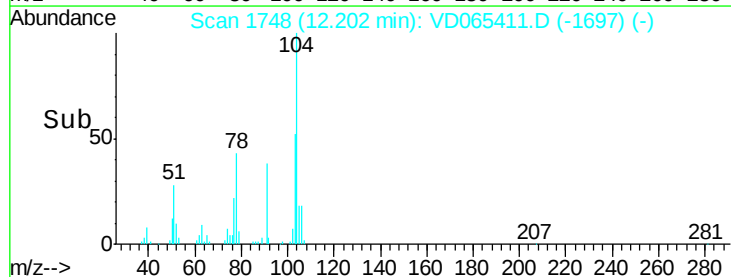
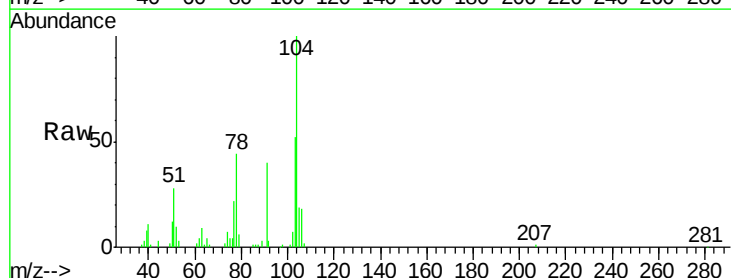
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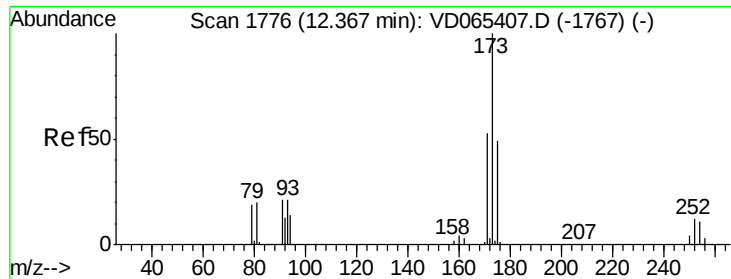
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#70
Styrene
Concen: 4.785 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion:104 Resp: 64527
Ion Ratio Lower Upper
104 100
78 47.9 37.7 56.5
103 55.7 43.6 65.4





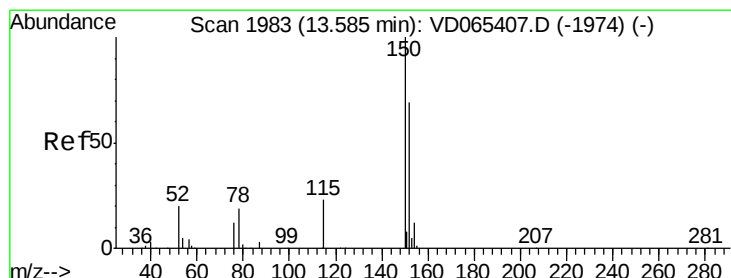
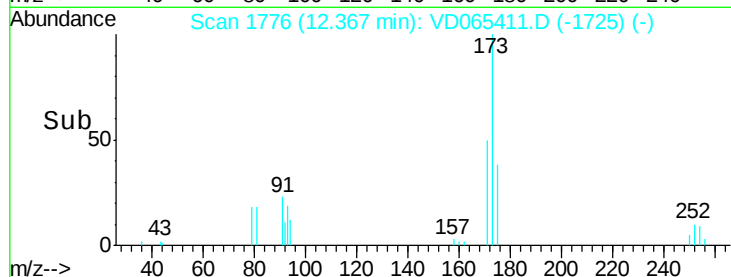
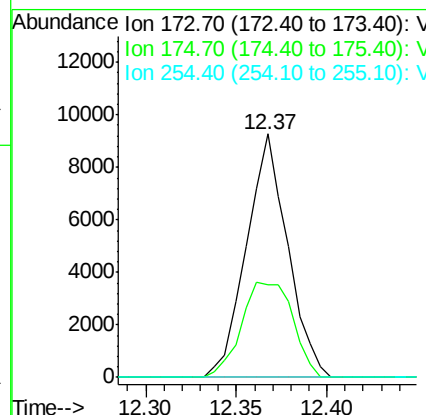
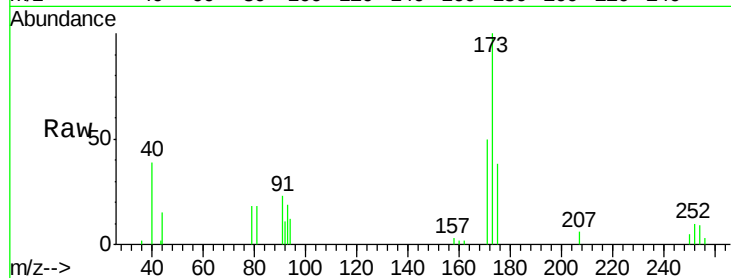
#71
Bromoform
Concen: 5.436 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.7	24.3	73.0	
254	0.0	0.1	0.1	

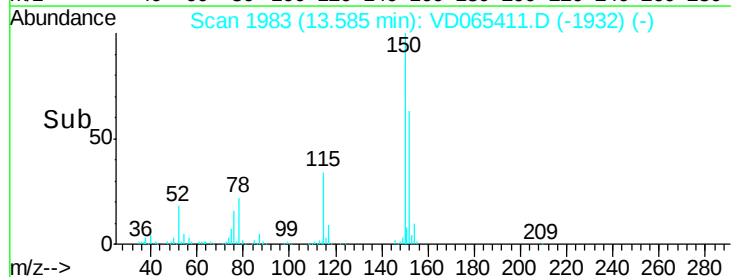
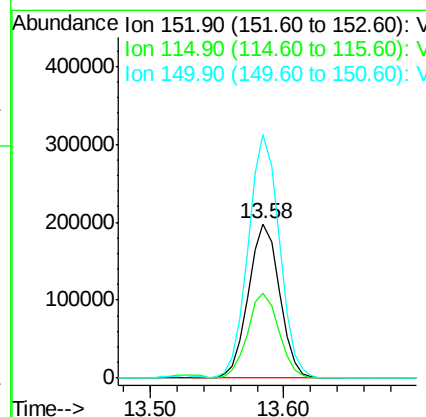
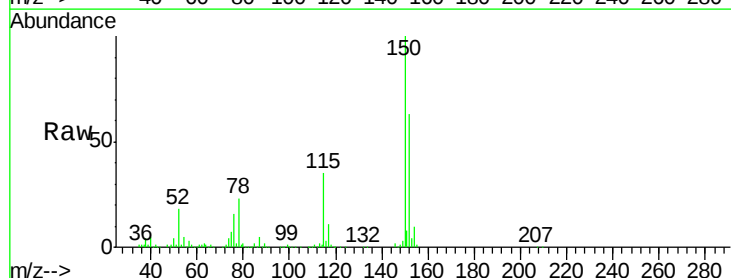
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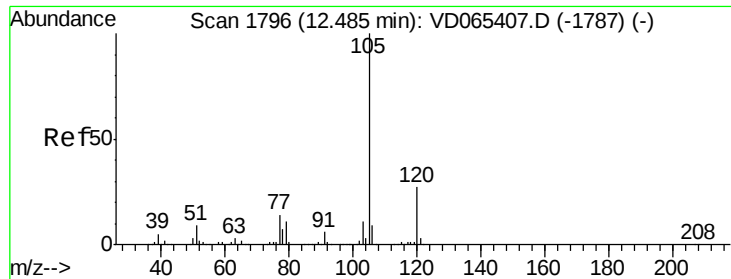
MMDadoda
3/5/2020 1:39:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	55.6	27.6	82.8	
150	158.6	0.0	345.0	





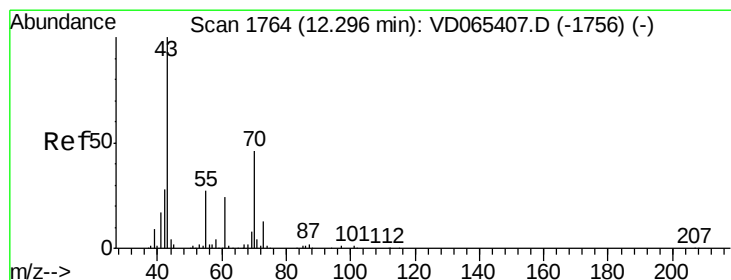
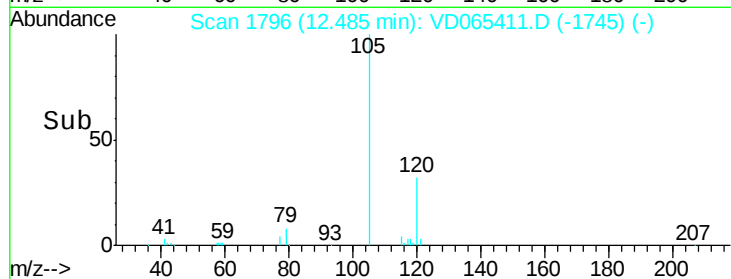
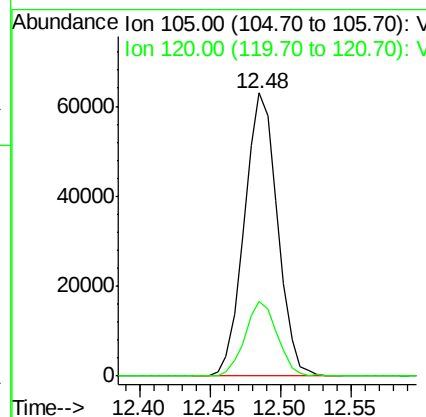
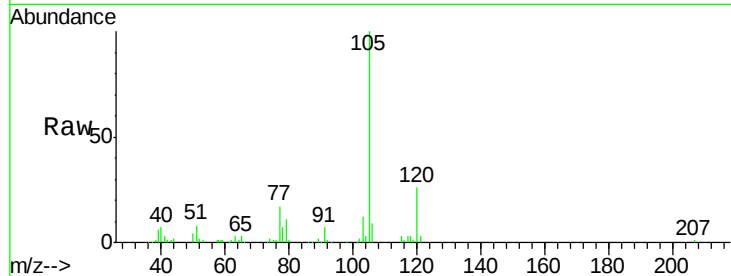
#73
Isopropylbenzene
Concen: 4.970 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 103697
Ion Ratio Lower Upper
105 100
120 25.7 13.5 40.4

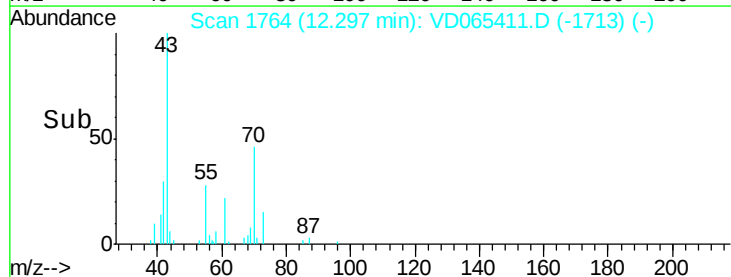
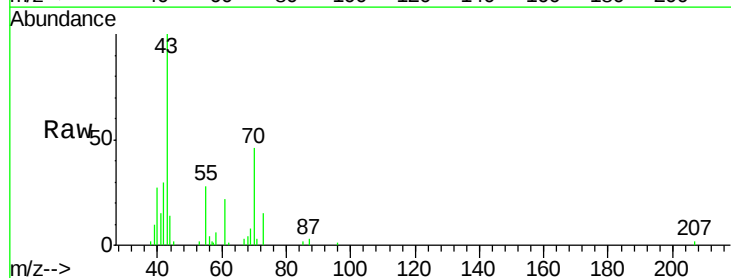
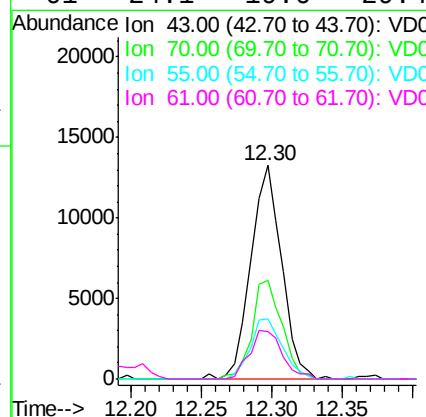
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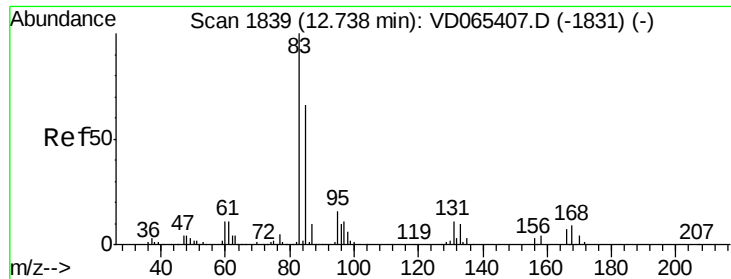
MMDadoda
3/5/2020 1:39:01 PM



#74
N-ethyl acetate
Concen: 4.723 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 43 Resp: 20348
Ion Ratio Lower Upper
43 100
70 44.6 36.1 54.1
55 29.3 21.6 32.4
61 24.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.564 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

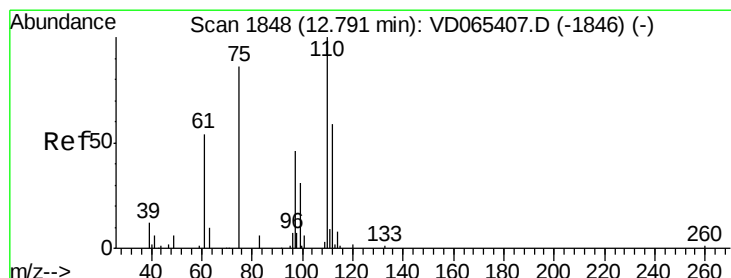
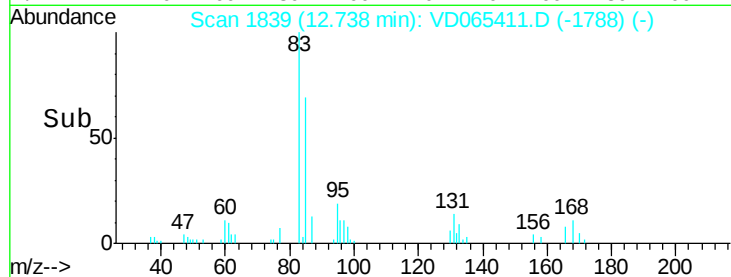
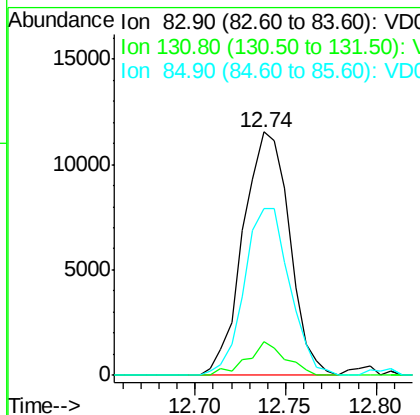
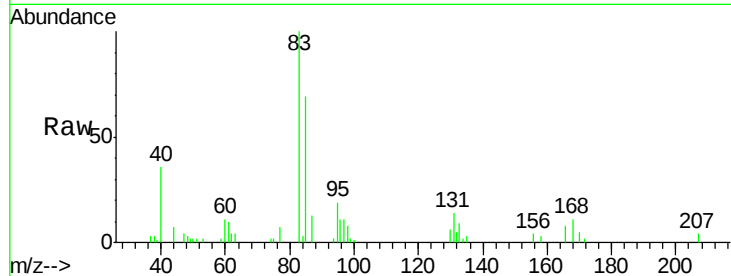
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20594
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.4	16.2
85	67.1	33.0	98.9

Manual Integrations
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3/5/2020 1:39:01 PM



#76

1,2,3-Trichloropropane

Concen: 2.517 ug/l m

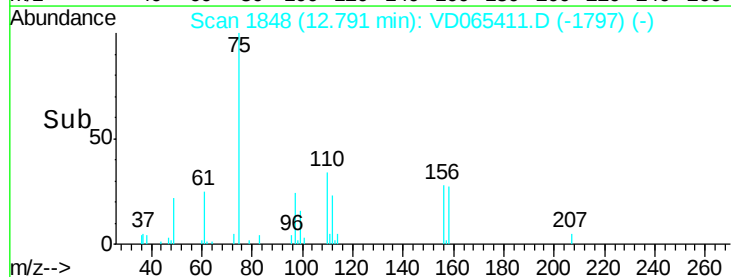
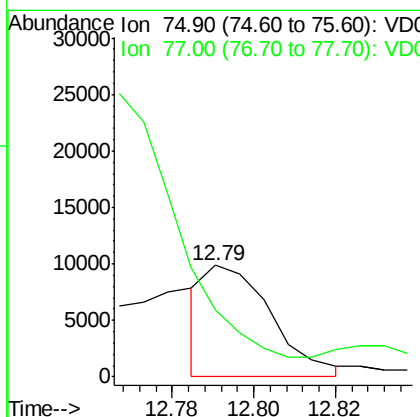
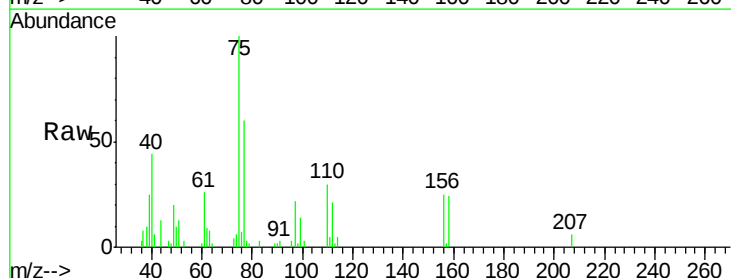
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion:	75	Resp:	11041
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.363 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 28057

Ion Ratio Lower Upper

156 100

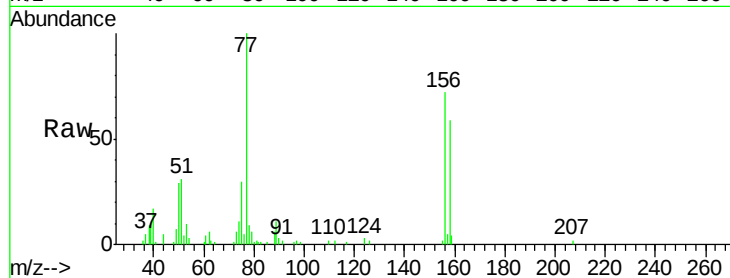
77 172.7 84.9 254.6

158 92.0 49.0 147.2

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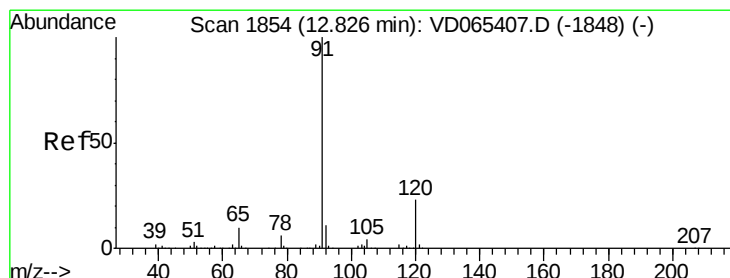
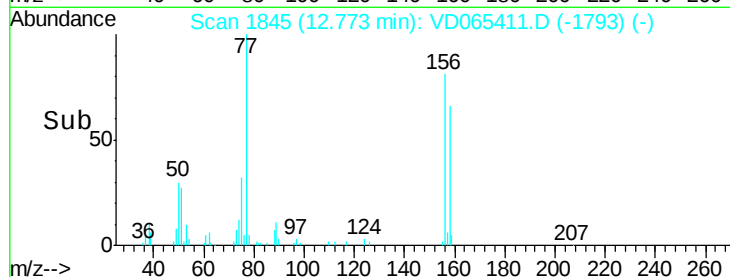
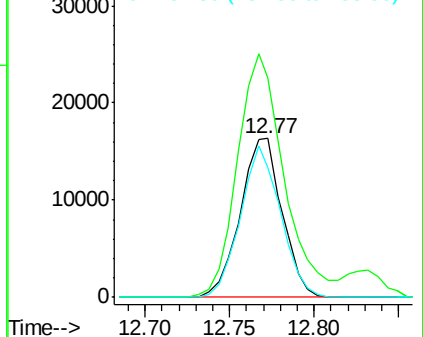
3/5/2020 1:39:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.950 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065411.D

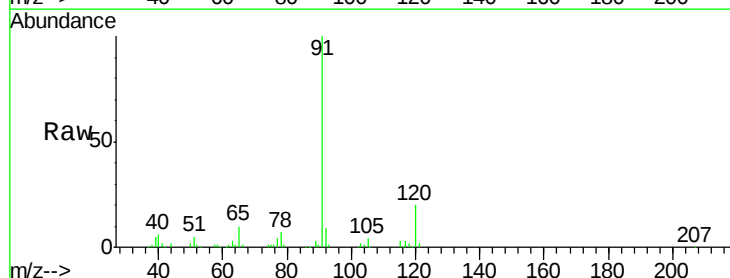
Acq: 04 Mar 2020 14:15

Tgt Ion: 91 Resp: 122915

Ion Ratio Lower Upper

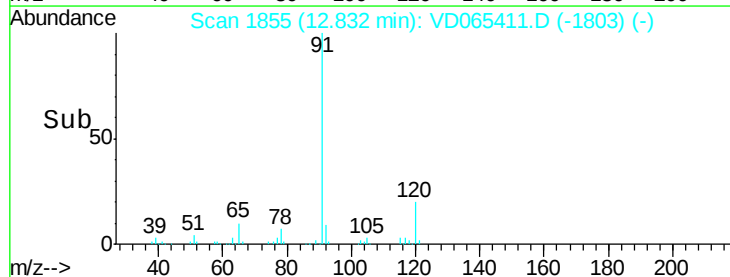
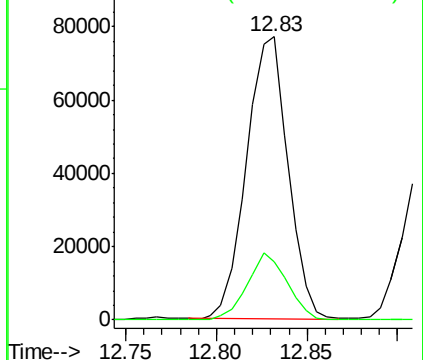
91 100

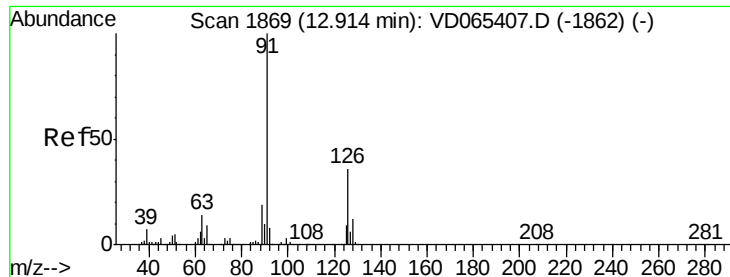
120 22.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.121 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 71526

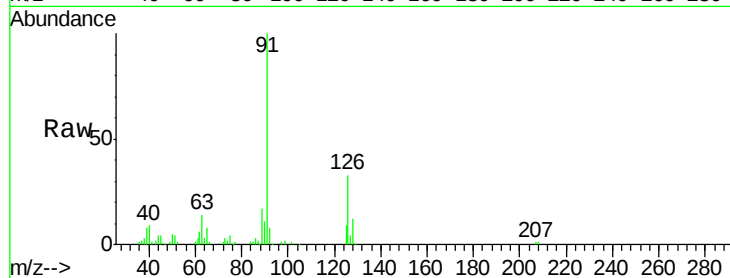
Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.8

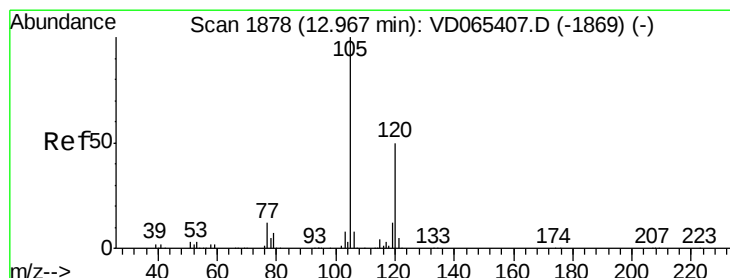
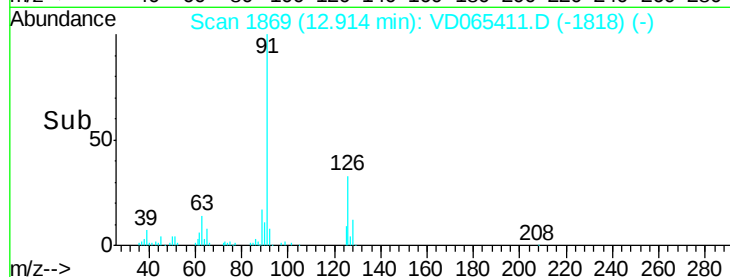
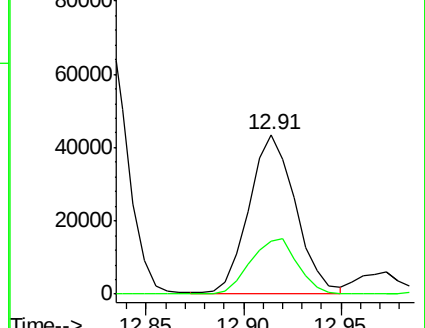
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Abundance Ion 91.00 (90.70 to 91.70): VD065411.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065411.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.909 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065411.D

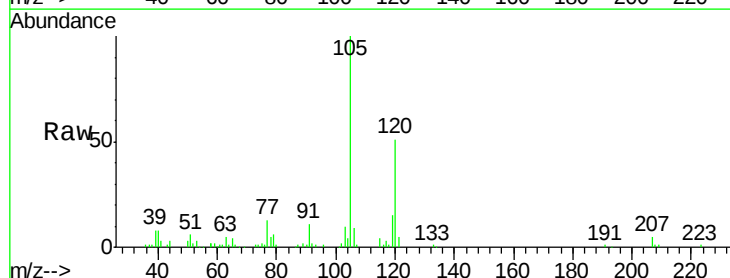
Acq: 04 Mar 2020 14:15

Tgt Ion: 105 Resp: 84323

Ion Ratio Lower Upper

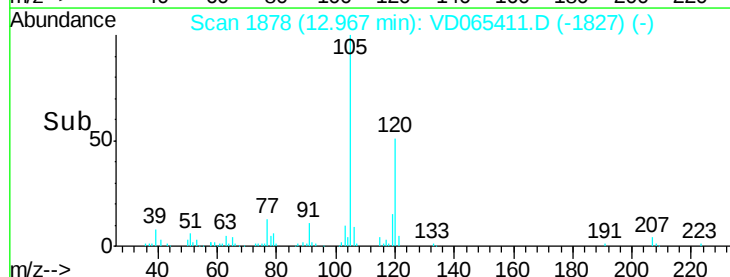
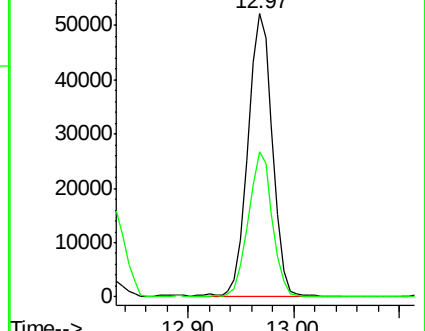
105 100

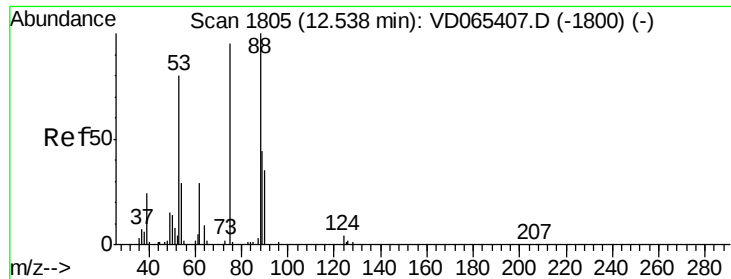
120 50.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065411.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065411.D (-1869) (-)





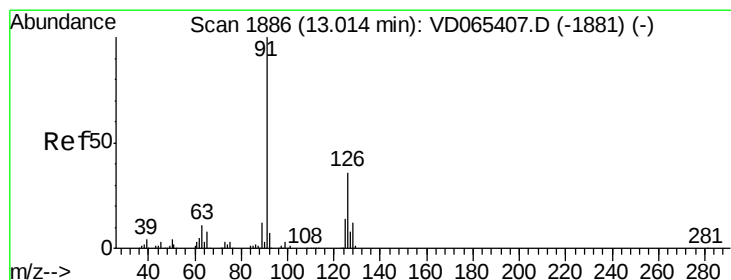
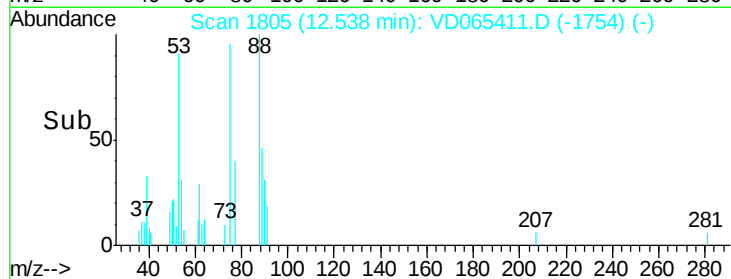
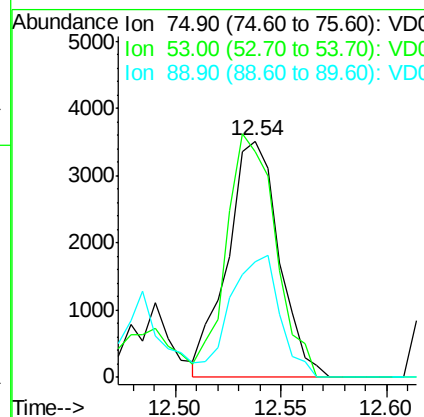
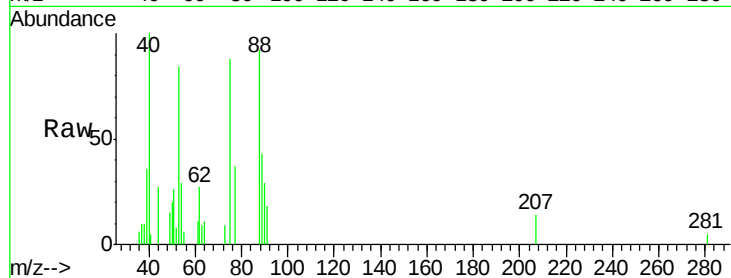
#81
trans-1,4-Dichloro-2-butene
Concen: 5.000 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	71.3	106.9
89	49.8	37.0	55.6

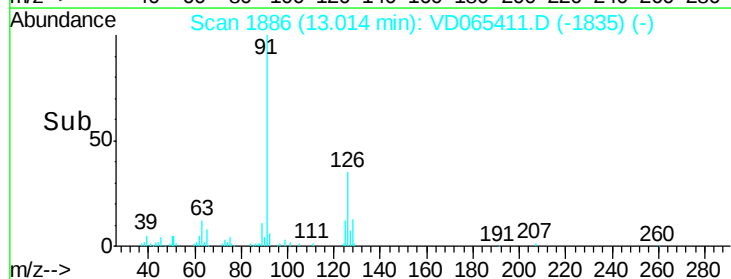
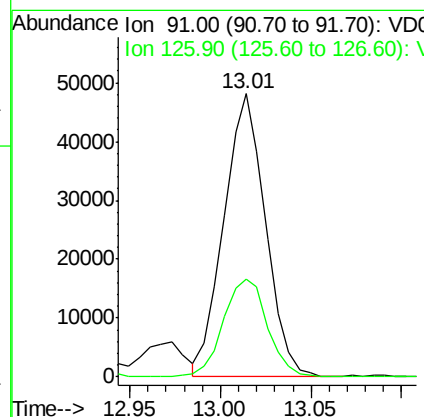
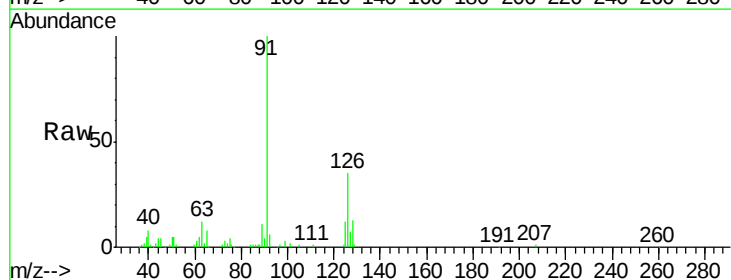
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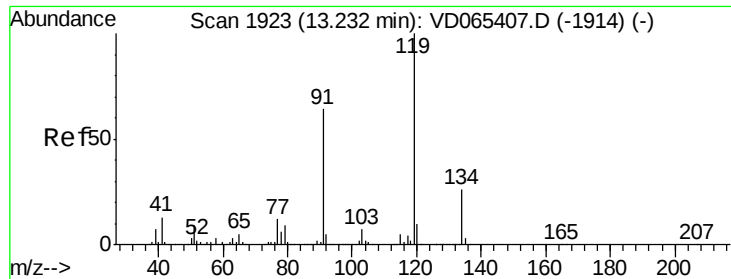
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#82
4-Chlorotoluene
Concen: 5.201 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.6	52.8





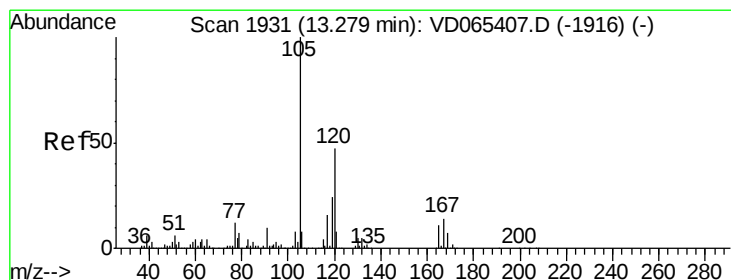
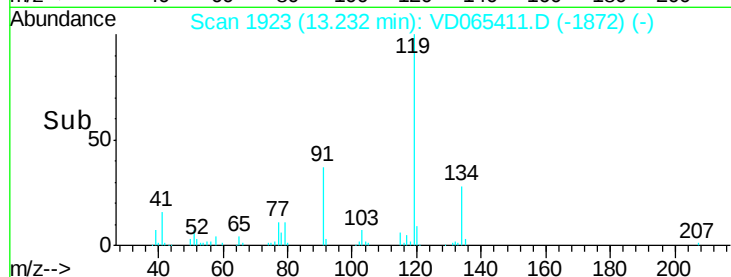
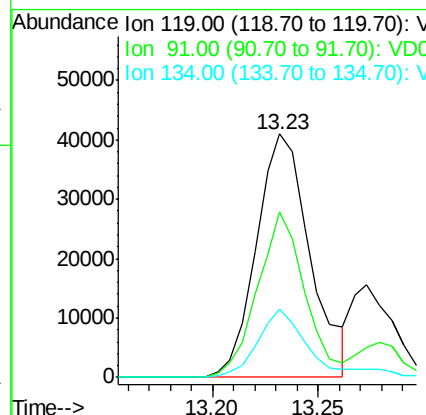
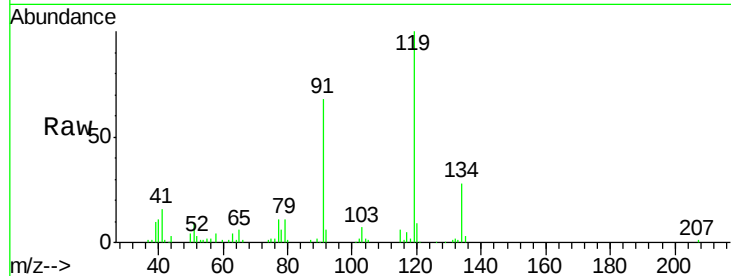
#83
tert-Butylbenzene
Concen: 4.974 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	31.6	95.0
134	27.3	14.2	42.8

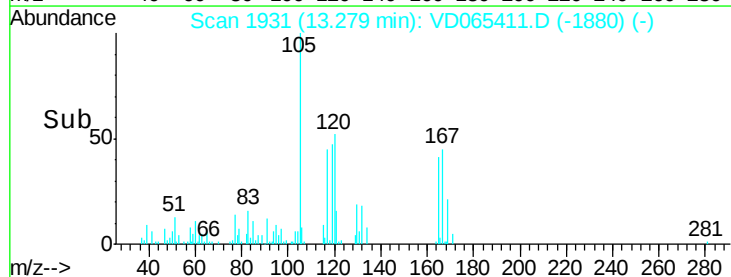
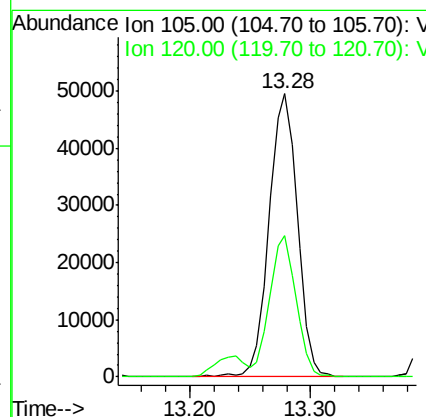
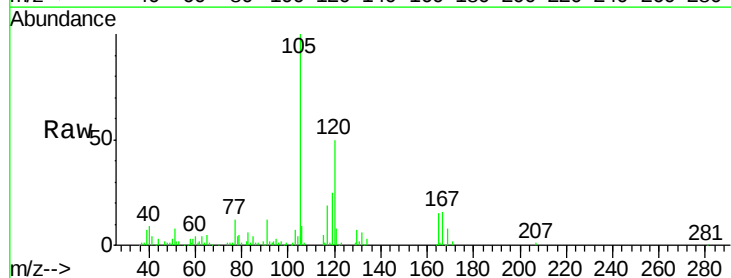
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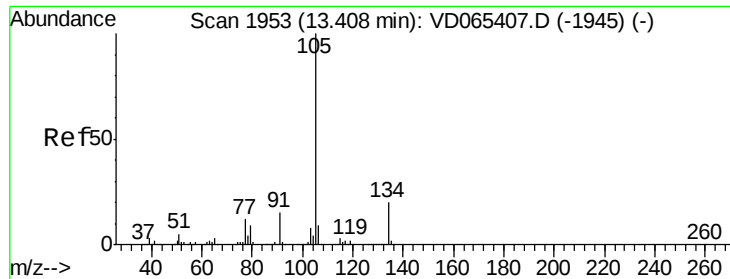
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.727 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.3





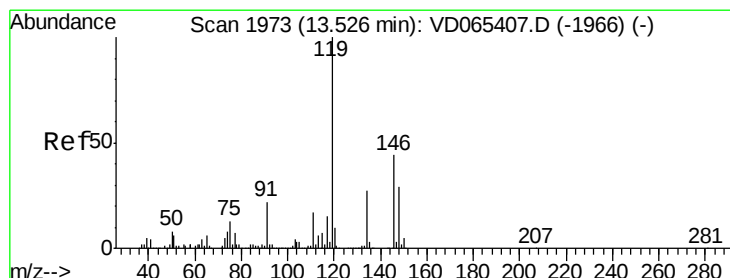
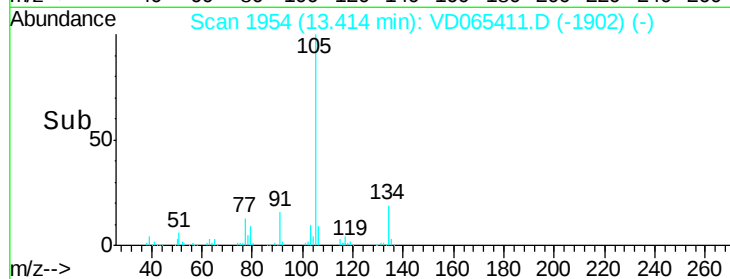
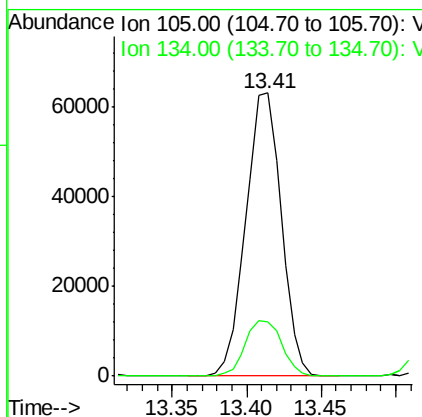
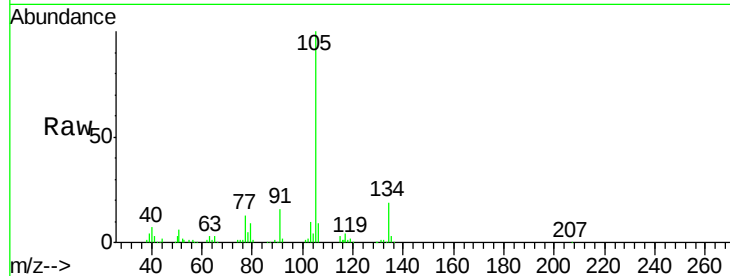
#85
 sec-Butylbenzene
 Concen: 5.039 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.3	30.9

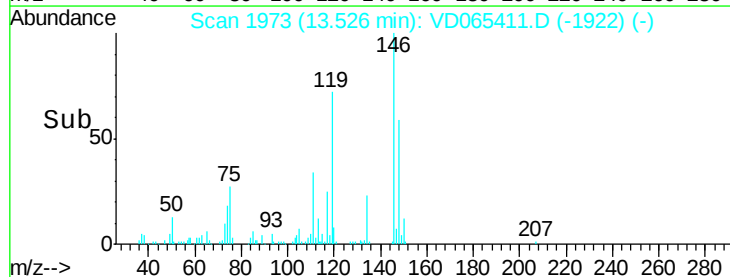
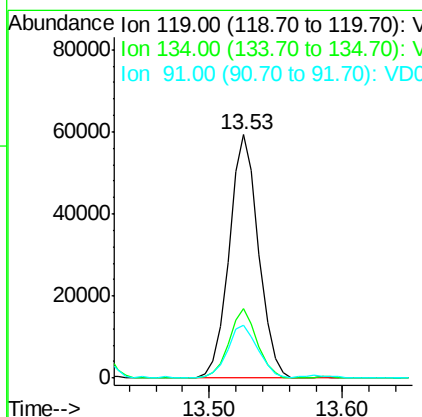
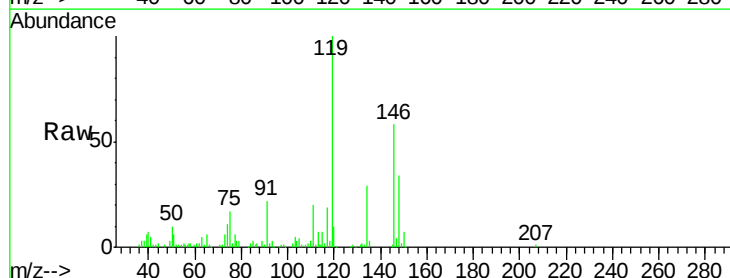
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#86
 p-Isopropyltoluene
 Concen: 4.800 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.3	39.9
91	22.9	10.9	32.6





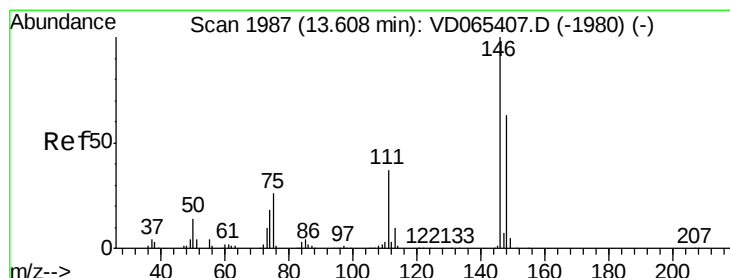
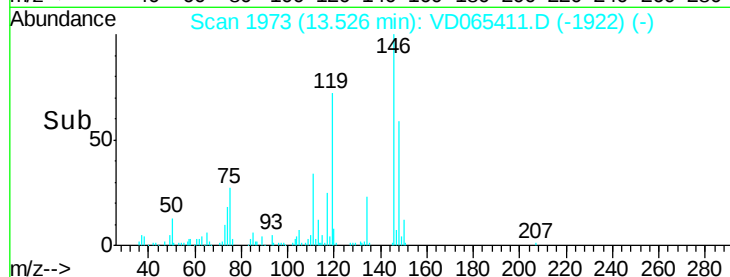
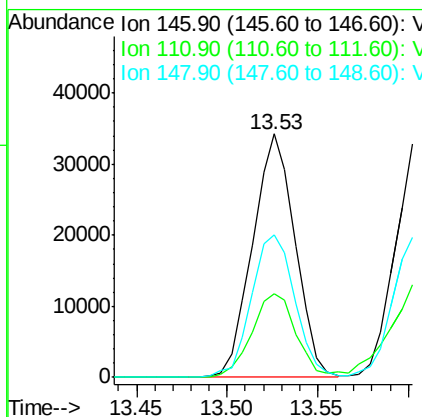
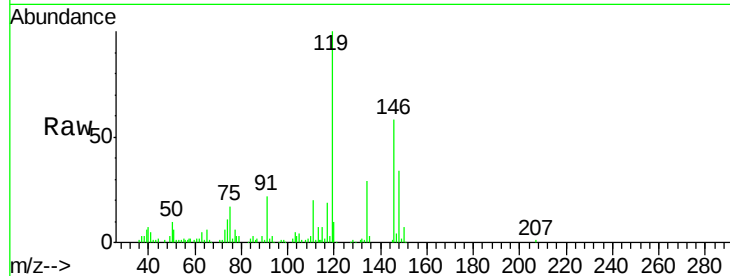
#87
 1,3-Dichlorobenzene
 Concen: 5.578 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	19.1	57.1
148	60.0	32.3	96.8

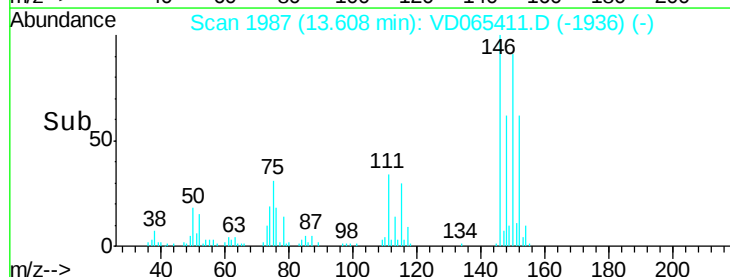
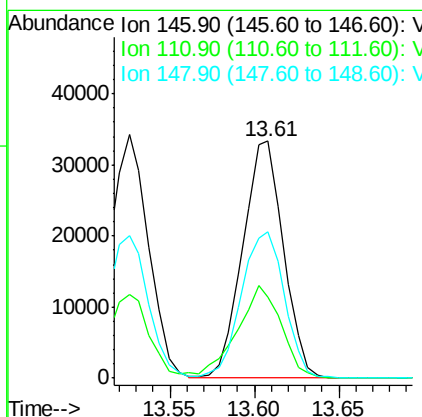
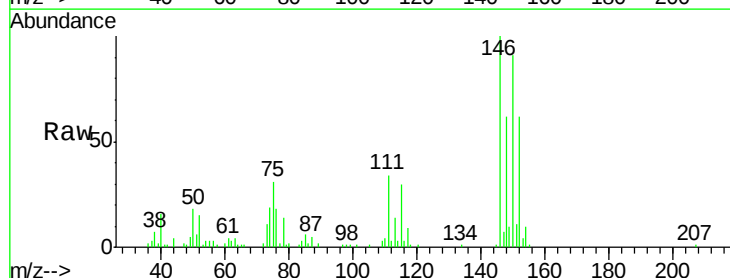
Manual Integrations
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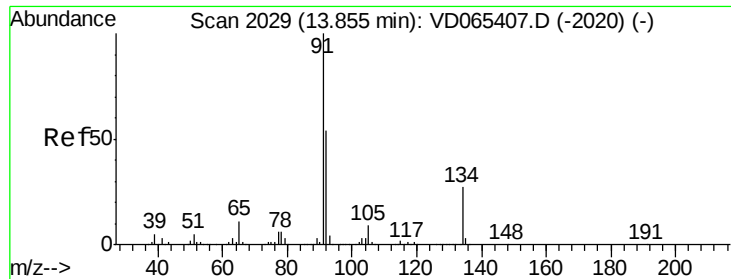
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#88
 1,4-Dichlorobenzene
 Concen: 5.632 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	18.5	55.5
148	65.2	32.0	96.0





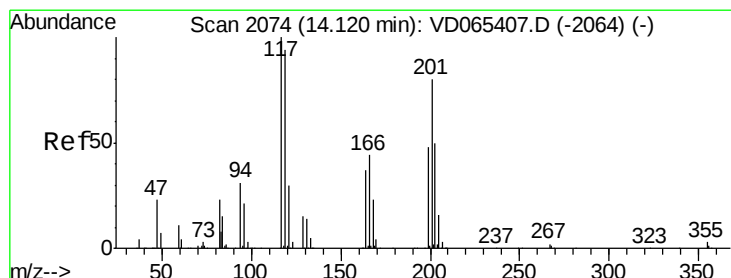
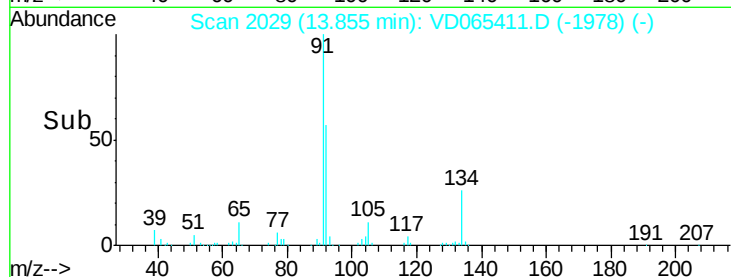
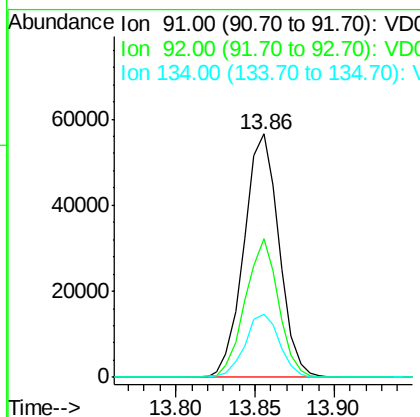
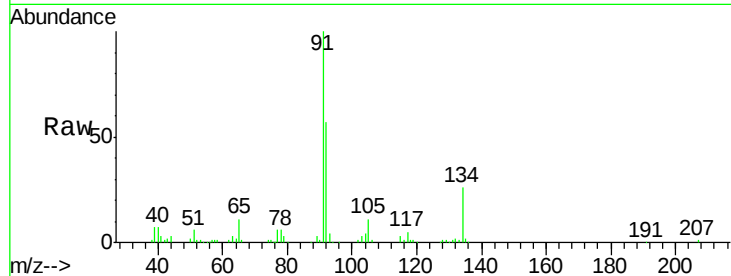
#89
n-Butylbenzene
Concen: 4.978 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.4
134	25.7	13.4	40.2

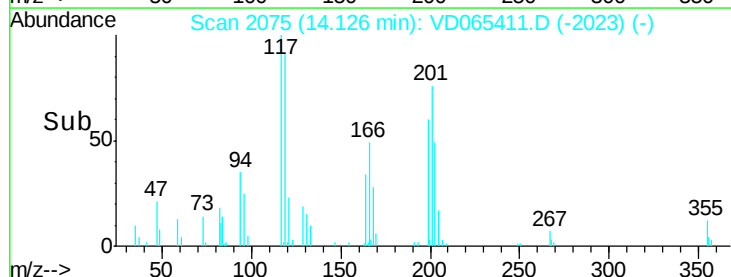
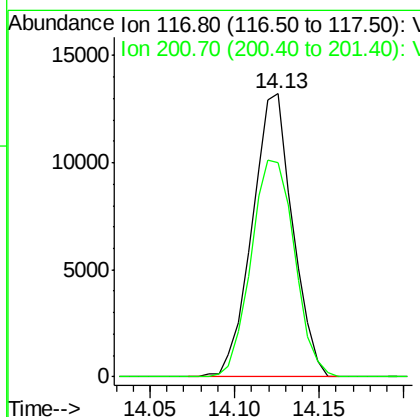
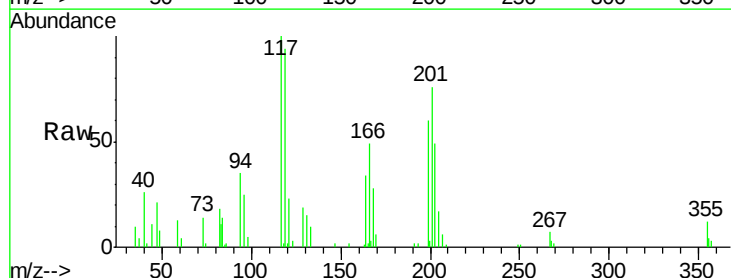
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#90
Hexachloroethane
Concen: 5.668 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.9	125.6





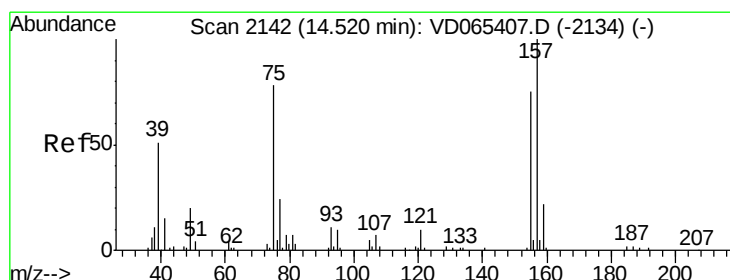
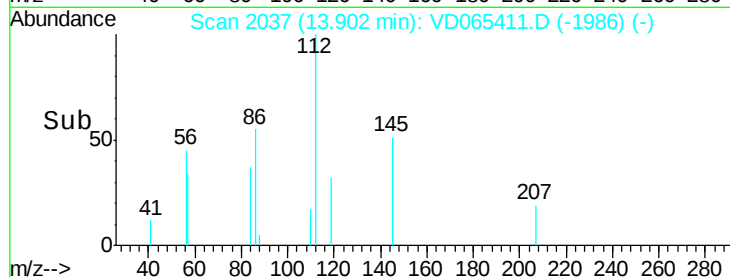
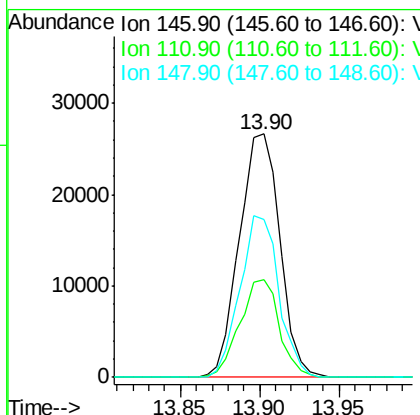
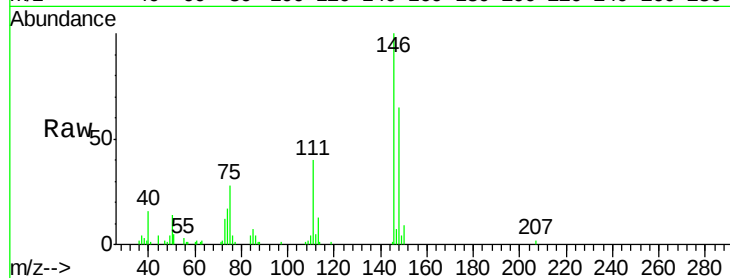
#91
 1,2-Dichlorobenzene
 Concen: 5.519 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.4	32.6	97.8

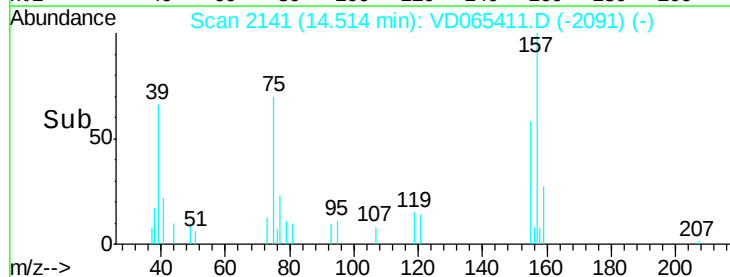
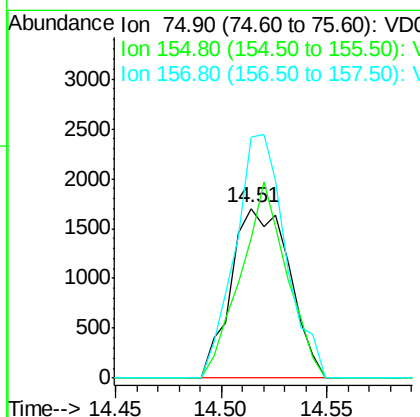
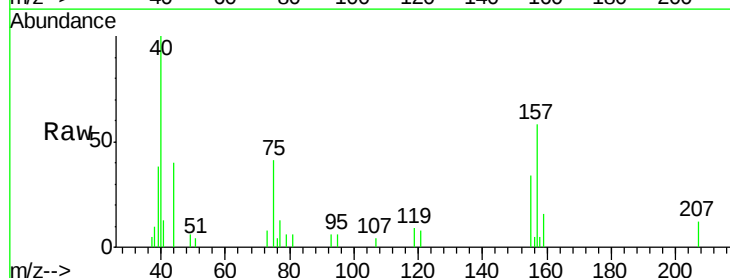
Manual Integrations
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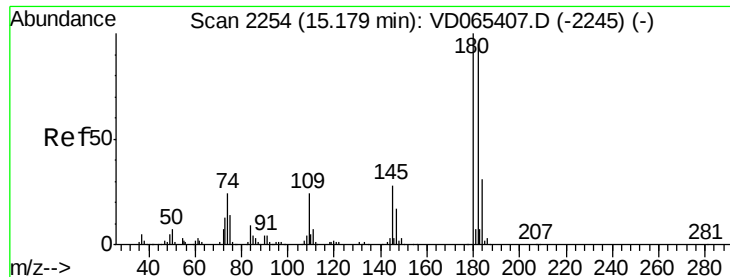
MMDadoda
 3/5/2020 1:39:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.735 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	46.4	139.1
157	124.3	60.2	180.4





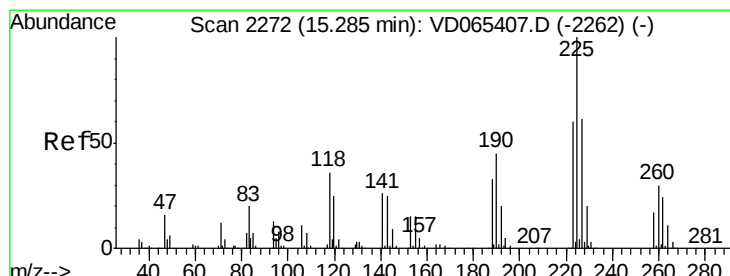
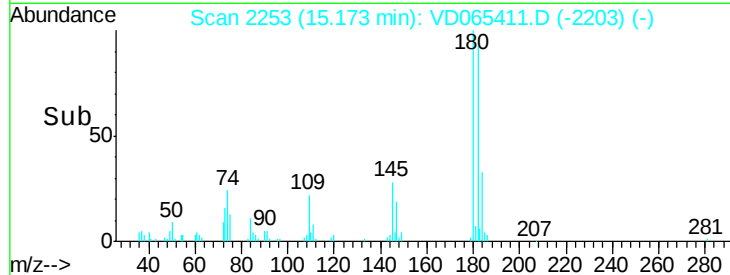
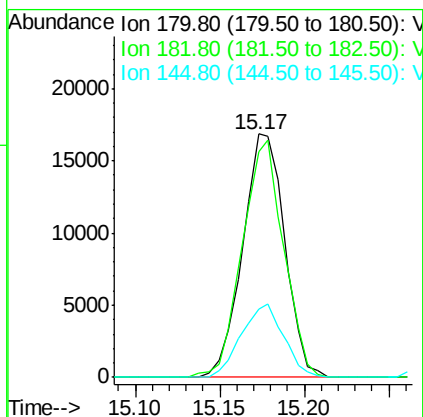
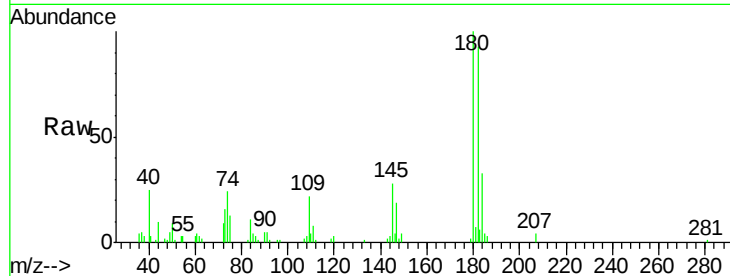
#93
 1,2,4-Trichlorobenzene
 Concen: 5.062 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.3	144.9
145	30.3	14.4	43.4

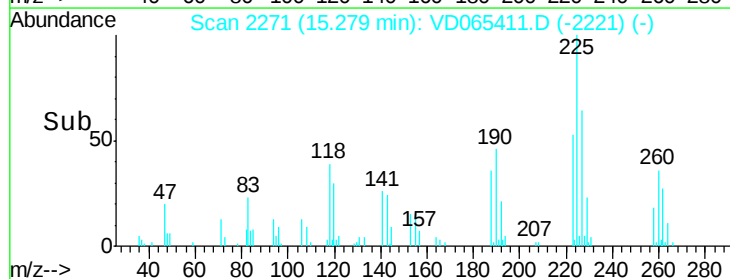
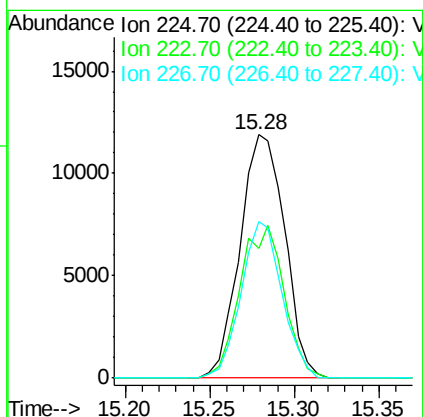
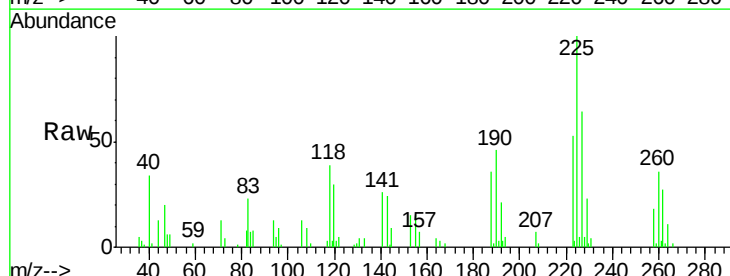
Manual Integrations
 APPROVED

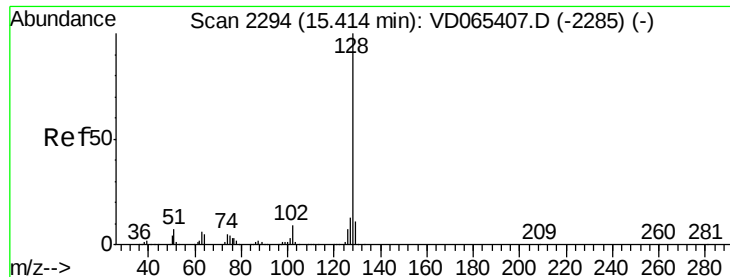
MMDadoda
 3/5/2020 1:39:01 PM



#94
 Hexachlorobutadiene
 Concen: 5.807 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.5
227	58.8	31.6	94.7





#95

Naphthalene

Concen: 4.674 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

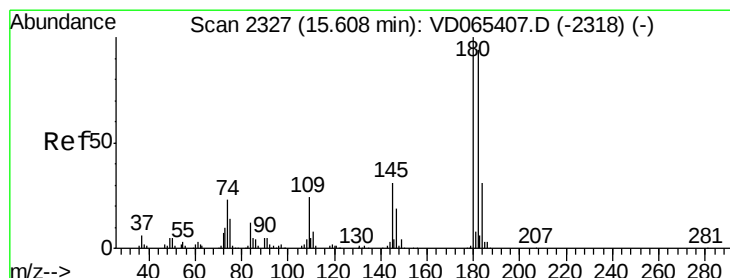
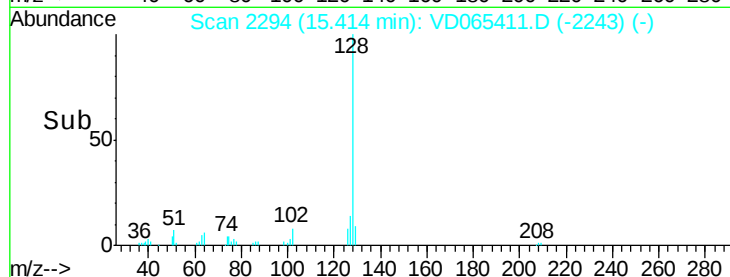
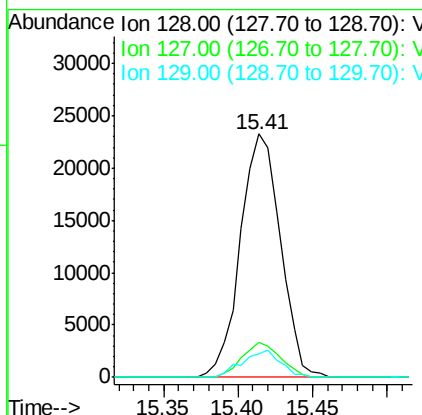
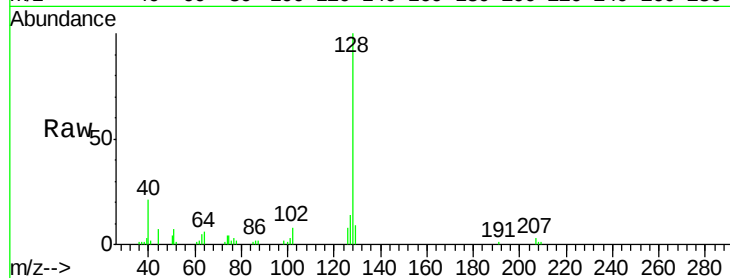
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	43301
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:39:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.966 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion:	180	Resp:	24850
Ion Ratio	Lower	Upper	
180	100		
182	99.6	46.9	140.6
145	32.5	15.0	45.1

