

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065425.D
 Acq On : 05 Mar 2020 12:23
 Operator : VA/SY
 Sample : VD0305SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:25 AM

Quant Time: Mar 06 03:56:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	480347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	709751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207315	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.92	113	222241	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	881997	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.64	95	276200	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93557	22.663	ug/l	99
3) Chloromethane	2.21	50	108916	21.853	ug/l	98
4) Vinyl Chloride	2.35	62	105980	21.558	ug/l	98
5) Bromomethane	2.77	94	66886	21.560	ug/l	97
6) Chloroethane	2.93	64	64647	21.471	ug/l	99
7) Trichlorofluoromethane	3.27	101	154921	21.387	ug/l	100
8) Diethyl Ether	3.70	74	43428	20.160	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	98593	21.133	ug/l	98
10) Methyl Iodide	4.30	142	96600	19.931	ug/l	98
11) Tert butyl alcohol	5.23	59	19099	80.810	ug/l	97
12) 1,1-Dichloroethene	4.06	96	93928	21.026	ug/l	96
13) Acrolein	3.92	56	37603	92.253	ug/l	98
14) Allyl chloride	4.71	41	141037	20.552	ug/l	100
15) Acrylonitrile	5.43	53	87281	93.135	ug/l	98
16) Acetone	4.16	43	78020	93.626	ug/l	91
17) Carbon Disulfide	4.40	76	318980	21.441	ug/l	99
18) Methyl Acetate	4.72	43	40273	19.052	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	168698	19.637	ug/l	100
20) Methylene Chloride	4.96	84	120816	24.968	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103097	20.746	ug/l	96
22) Diisopropyl ether	6.37	45	275009	21.557	ug/l	94
23) Vinyl Acetate	6.31	43	690958	97.547	ug/l	100
24) 1,1-Dichloroethane	6.27	63	172969	21.139	ug/l	95
25) 2-Butanone	7.22	43	101802	89.521	ug/l	99
26) 2,2-Dichloropropane	7.21	77	148471	20.763	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	104930	20.657	ug/l	98
28) Bromochloromethane	7.55	49	69788	21.318	ug/l	98
29) Tetrahydrofuran	7.57	42	67709	93.235	ug/l	98
30) Chloroform	7.71	83	174648	21.354	ug/l	97
31) Cyclohexane	7.98	56	169164	20.675	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	158599	20.984	ug/l	98
36) 1,1-Dichloropropene	8.11	75	144359	21.219	ug/l	100
37) Ethyl Acetate	7.30	43	48638	18.496	ug/l	98
38) Carbon Tetrachloride	8.10	117	148922	21.109	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	167197	20.348	ug/l	94
40) Benzene	8.35	78	403708	21.223	ug/l	100
41) Methacrylonitrile	7.54	41	27248m	19.593	ug/l	
42) 1,2-Dichloroethane	8.43	62	101798	20.494	ug/l	100
43) Isopropyl Acetate	8.46	43	89993	18.534	ug/l	97
44) Trichloroethene	9.11	130	115053	21.417	ug/l	99
45) 1,2-Dichloropropane	9.39	63	95828	20.797	ug/l	99
46) Dibromomethane	9.48	93	48693	20.373	ug/l	98
47) Bromodichloromethane	9.67	83	130758	21.029	ug/l #	99
48) Methyl methacrylate	9.46	41	42243	18.496	ug/l	99
49) 1,4-Dioxane	9.47	88	9919	362.816	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	226239	92.593	ug/l	98
52) Toluene	10.41	92	257301	21.472	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118061	20.318	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	145564	20.696	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67508	19.942	ug/l	97
56) Ethyl methacrylate	10.67	69	72394	18.970	ug/l	97
57) 1,3-Dichloropropane	10.95	76	115271	20.126	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	111318	94.697	ug/l	99
59) 2-Hexanone	10.99	43	155559	91.971	ug/l	98
60) Dibromochloromethane	11.14	129	88680	20.437	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65478	20.279	ug/l	96
64) Tetrachloroethene	10.88	164	97144	21.384	ug/l	97
65) Chlorobenzene	11.67	112	266656	21.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	97257	21.286	ug/l	98
67) Ethyl Benzene	11.75	91	461651	21.296	ug/l	99
68) m/p-Xylenes	11.86	106	366386	43.834	ug/l	98
69) o-Xylene	12.18	106	157665	21.444	ug/l	100
70) Styrene	12.20	104	284141	21.958	ug/l	99
71) Bromoform	12.37	173	51118	19.917	ug/l #	99
73) Isopropylbenzene	12.48	105	437671	21.188	ug/l	99
74) N-amyl acetate	12.30	43	80219	18.969	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	71436	19.674	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	46820m	18.893	ug/l	
77) Bromobenzene	12.77	156	104610	20.383	ug/l	98
78) n-propylbenzene	12.83	91	530524	21.646	ug/l	99
79) 2-Chlorotoluene	12.91	91	293047	21.215	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	370946	21.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22128	18.844	ug/l	97
82) 4-Chlorotoluene	13.01	91	312609	21.537	ug/l	100
83) tert-Butylbenzene	13.23	119	301510	20.986	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	360031	21.508	ug/l	98
85) sec-Butylbenzene	13.41	105	438504	21.383	ug/l	100
86) p-Isopropyltoluene	13.53	119	404021	21.590	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	206279	20.906	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	206520	21.041	ug/l	98
89) n-Butylbenzene	13.85	91	369710	21.370	ug/l	99
90) Hexachloroethane	14.12	117	79651	20.669	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175359	20.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9824	17.766	ug/l	96

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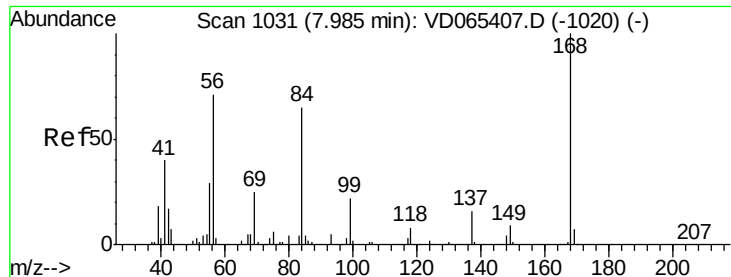
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	115945	20.373	ug/l	99
94) Hexachlorobutadiene	15.28	225	77040	20.602	ug/l	98
95) Naphthalene	15.41	128	166922	19.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102808	20.906	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:168 Resp: 480347

Ion Ratio Lower Upper

168 100

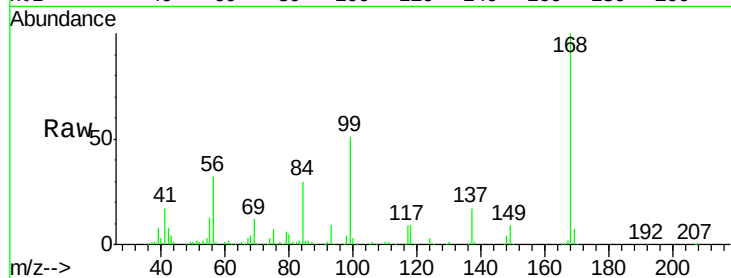
99 51.0 41.5 62.3

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

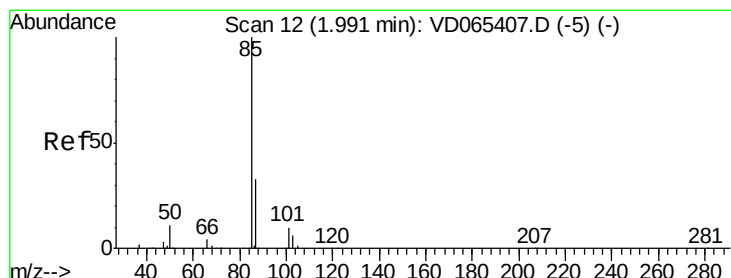
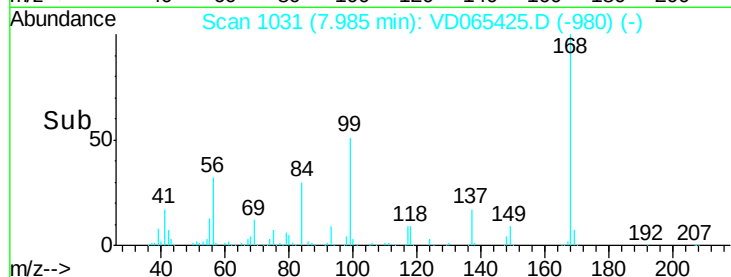
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.663 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065425.D

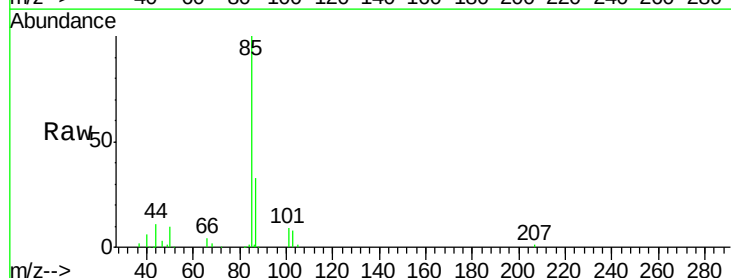
Acq: 05 Mar 2020 12:23

Tgt Ion: 85 Resp: 93557

Ion Ratio Lower Upper

85 100

87 33.5 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

60000

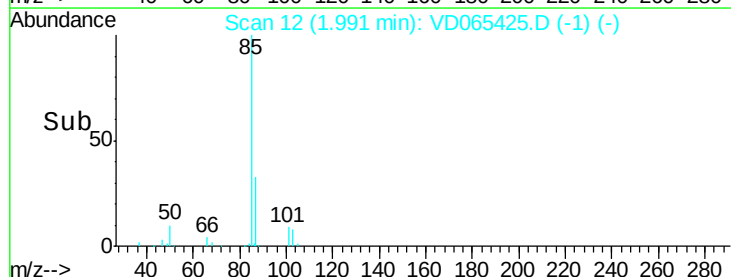
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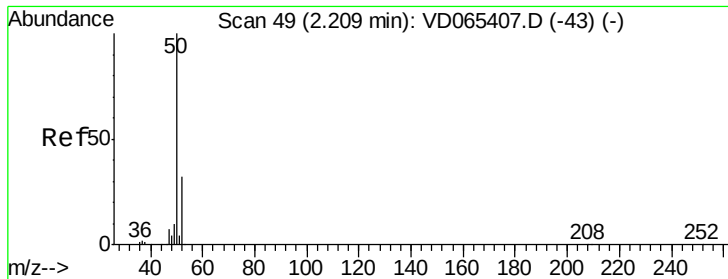
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.853 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 50 Resp: 108916

Ion Ratio Lower Upper

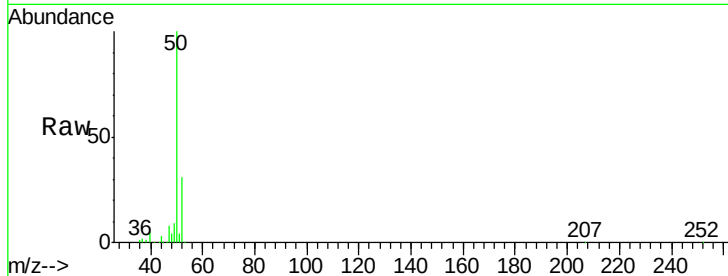
50 100

52 31.4 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

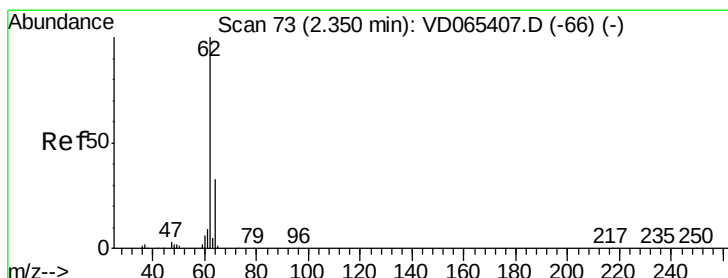
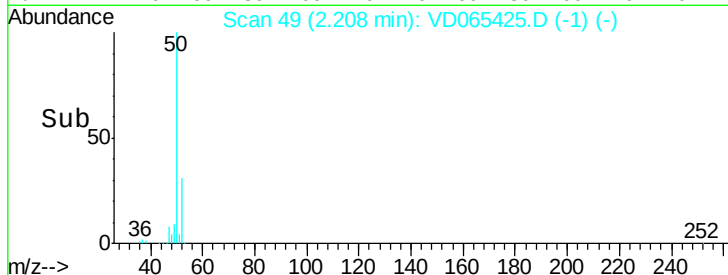
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.558 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065425.D

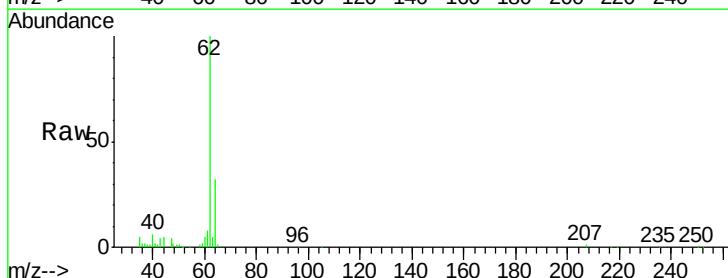
Acq: 05 Mar 2020 12:23

Tgt Ion: 62 Resp: 105980

Ion Ratio Lower Upper

62 100

64 32.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

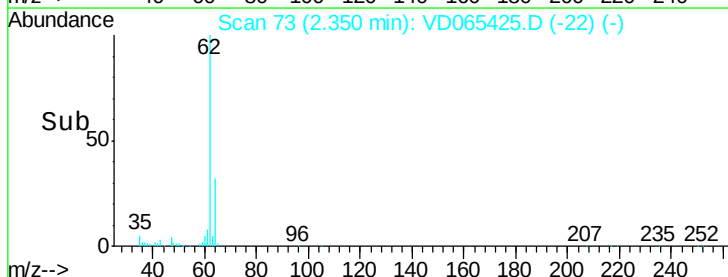
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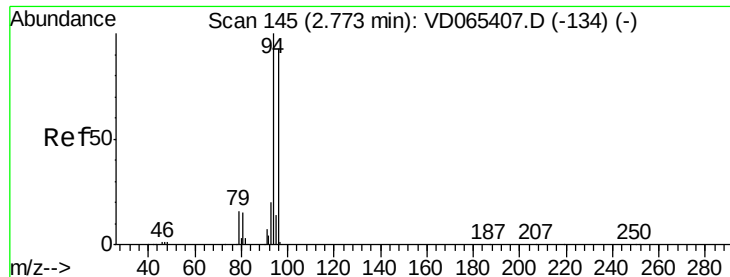
40000

20000

0

Time-->





#5

Bromomethane

Concen: 21.560 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 94 Resp: 66886

Ion Ratio Lower Upper

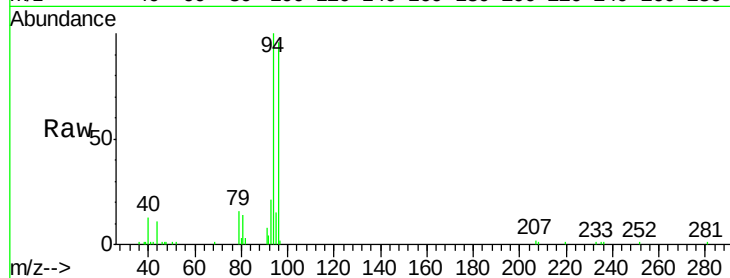
94 100

96 95.7 74.4 111.6

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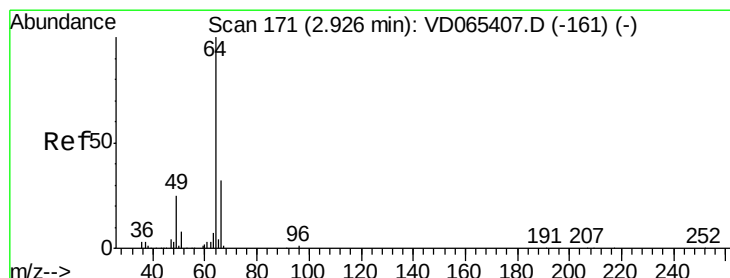
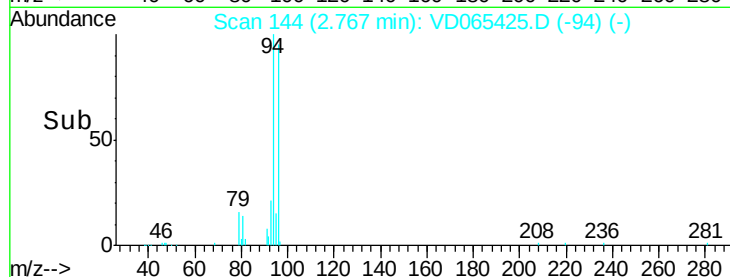
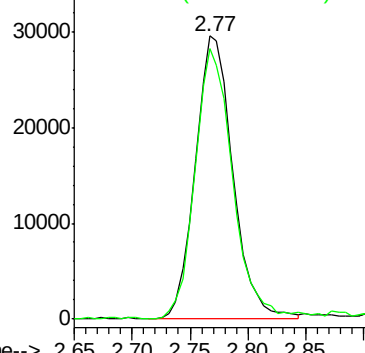
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.471 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065425.D

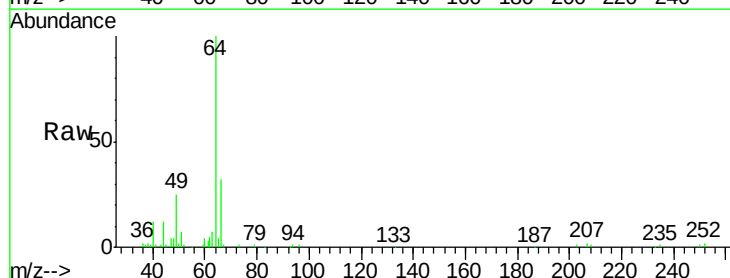
Acq: 05 Mar 2020 12:23

Tgt Ion: 64 Resp: 64647

Ion Ratio Lower Upper

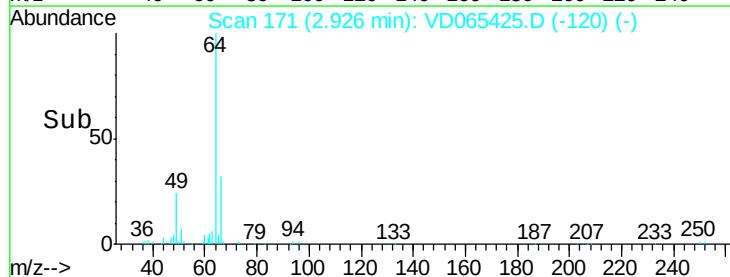
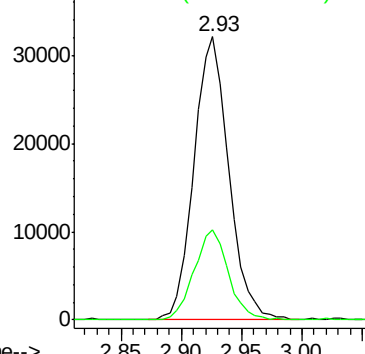
64 100

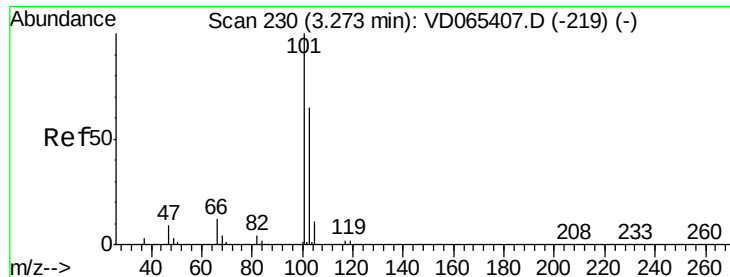
66 31.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

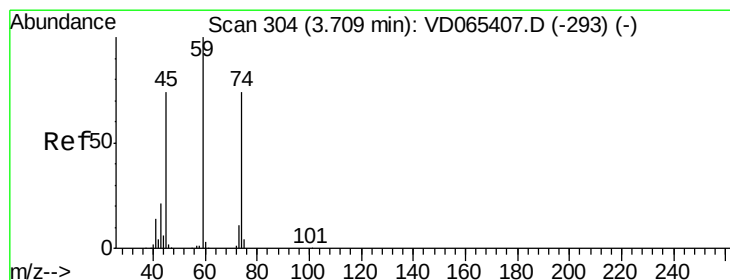
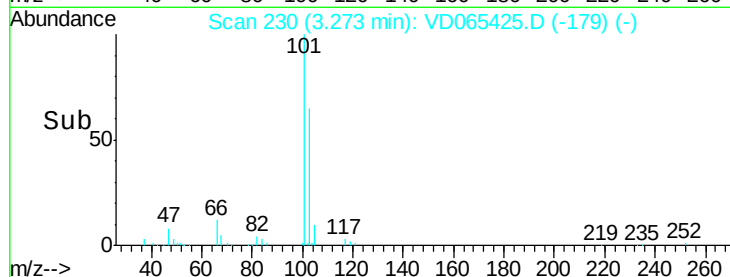
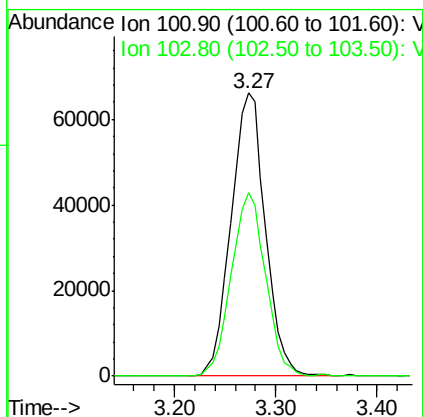
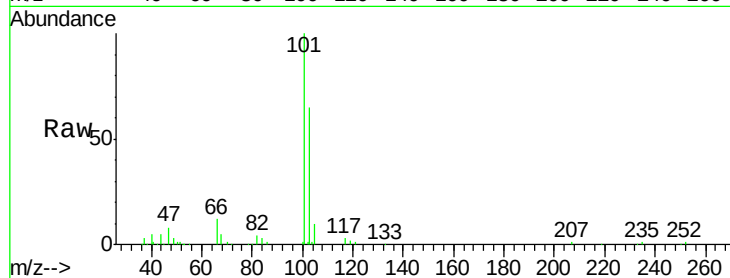
Trichlorofluoromethane
 Concen: 21.387 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

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 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.1	78.1

Manual Integrations
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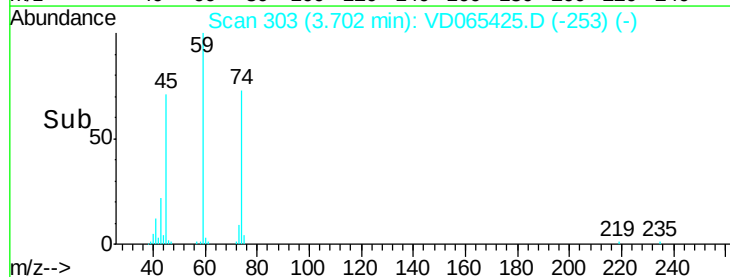
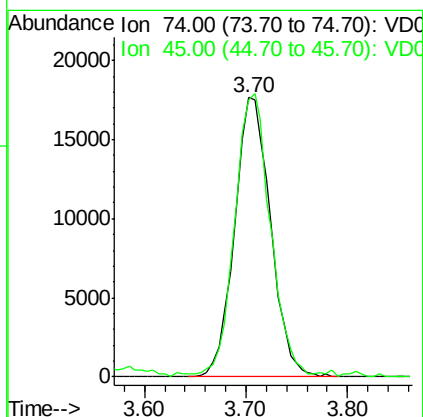
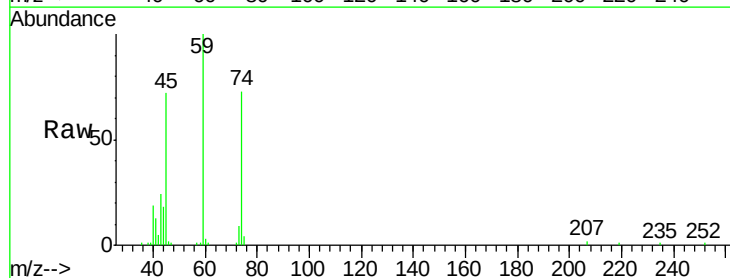
MMDadoda
 3/6/2020 11:17:25 AM

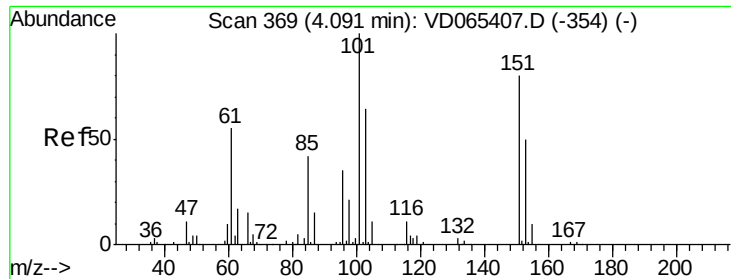


#8

Diethyl Ether
 Concen: 20.160 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.133 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

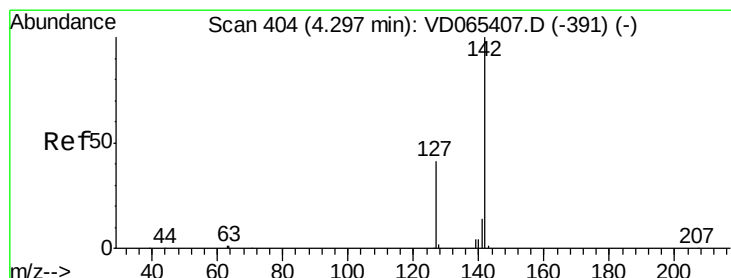
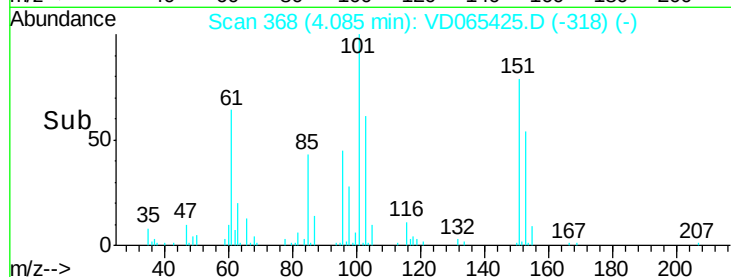
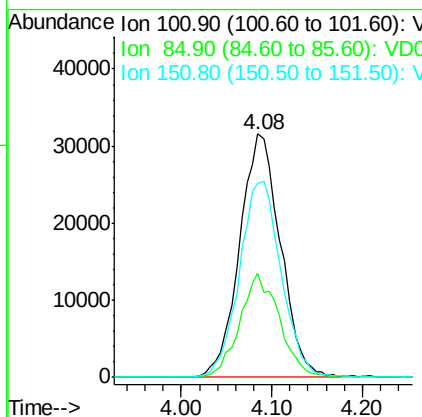
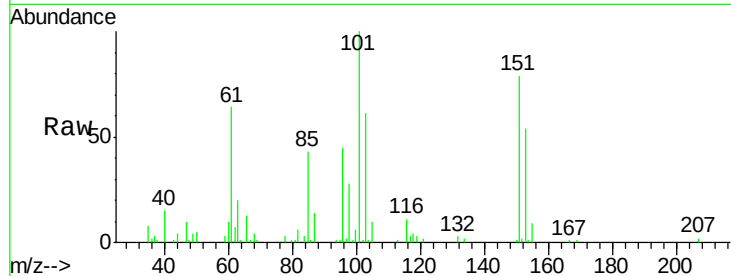
ClientSampleId :

VD0305SBS01

Tot Ion:	101	Resp:	98593
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.2	51.2
151	82.6	65.1	97.7

Manual Integrations
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3/6/2020 11:17:25 AM



#10

Methyl Iodide

Concen: 19.931 ug/l

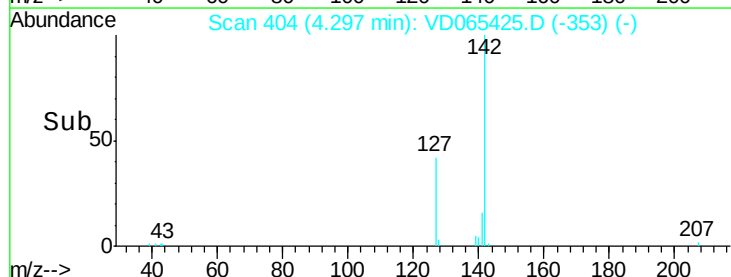
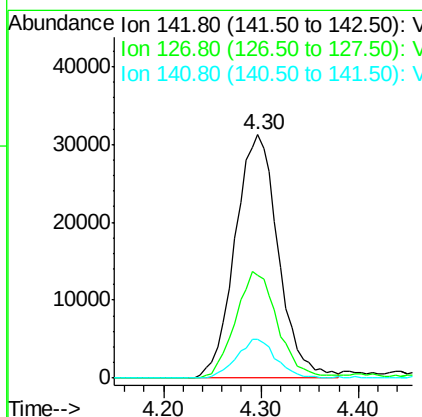
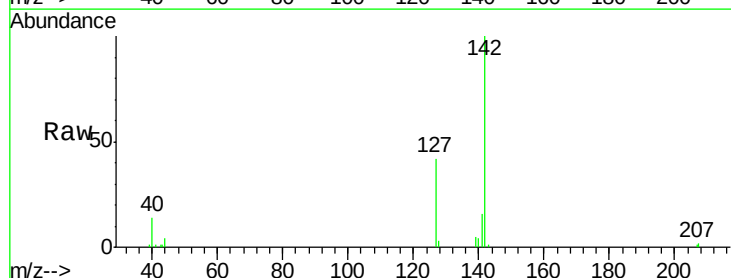
RT: 4.30 min Scan# 404

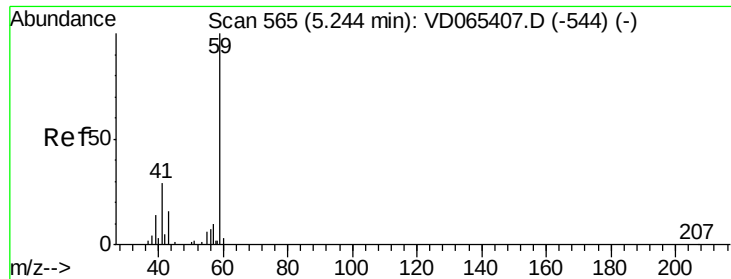
Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion:	142	Resp:	96600
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.0	52.6
141	14.7	12.4	18.6





#11

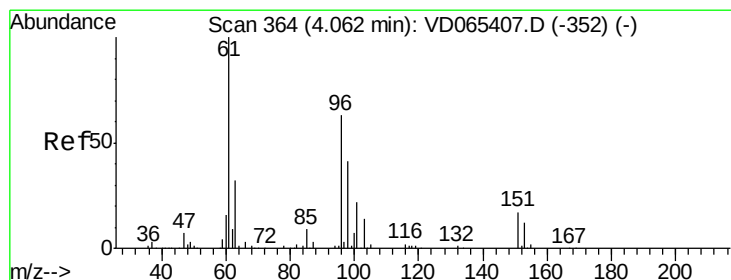
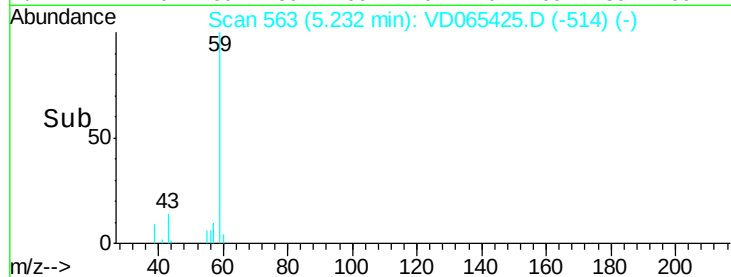
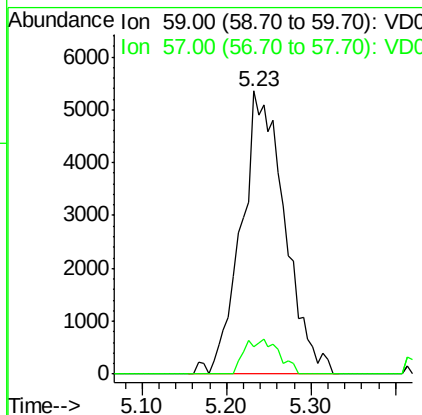
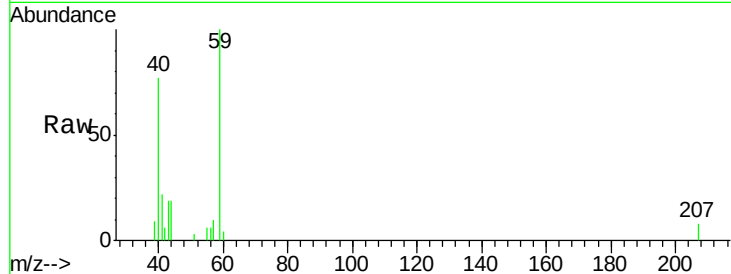
Tert butyl alcohol
Concen: 80.810 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	19099		
57	9.7		6.9	10.3

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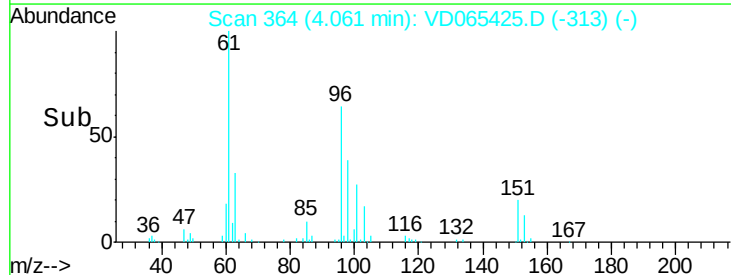
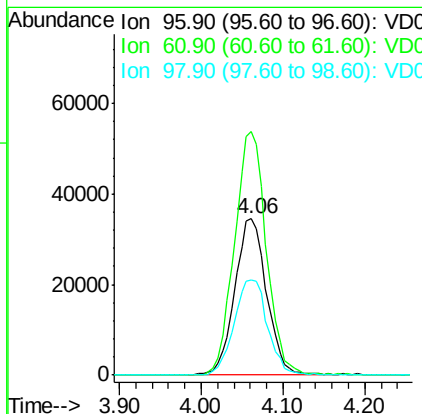
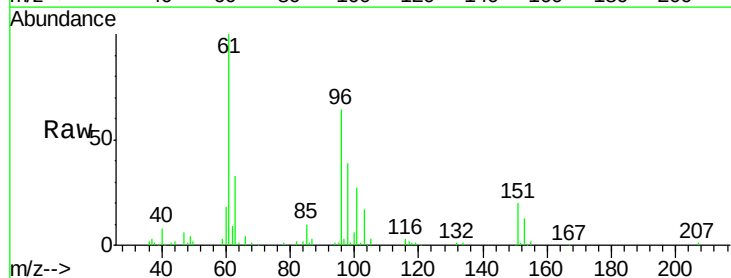
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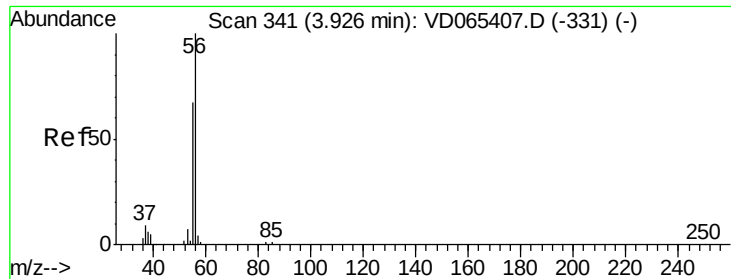


#12

1,1-Dichloroethene
Concen: 21.026 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	93928		
61	155.8		128.0	192.0
98	60.9		51.9	77.9





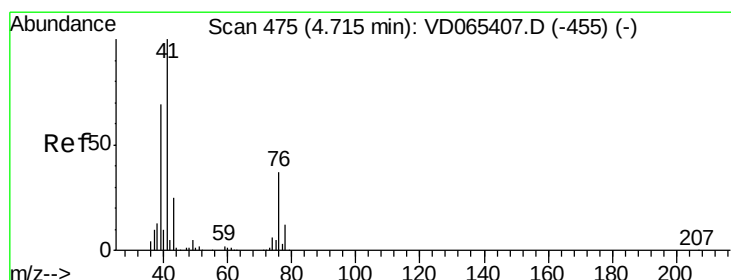
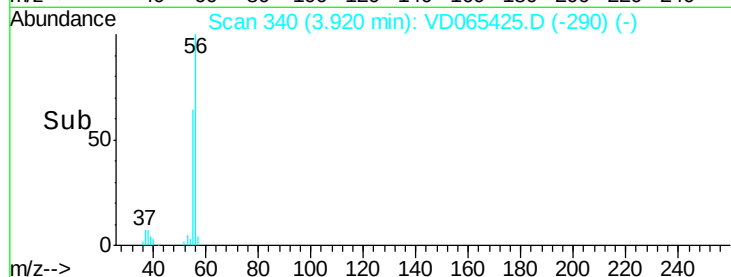
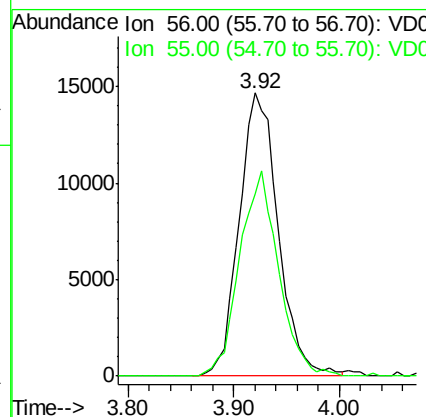
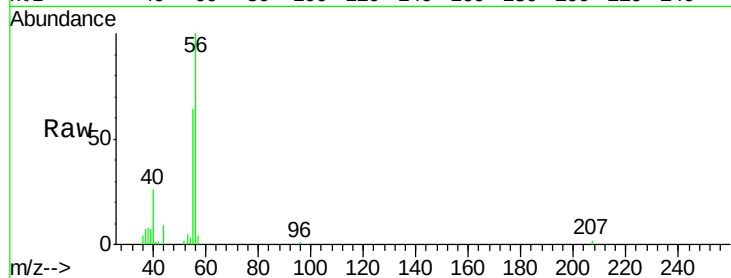
#13
 Acrolein
 Concen: 92.253 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	56	Resp	37603
Ion Ratio	100	Lower	Upper
55	72.2	56.6	85.0

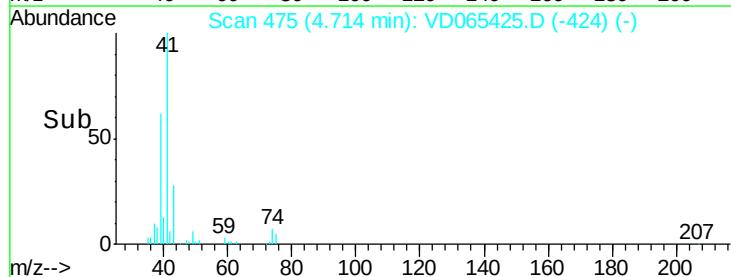
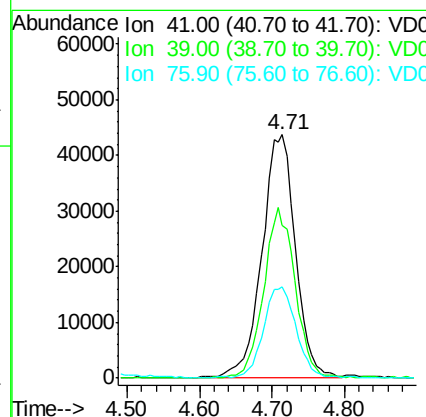
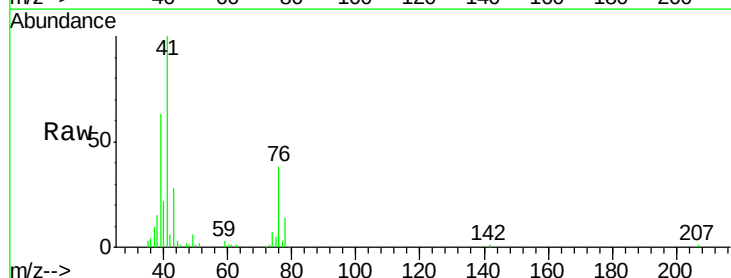
Manual Integrations
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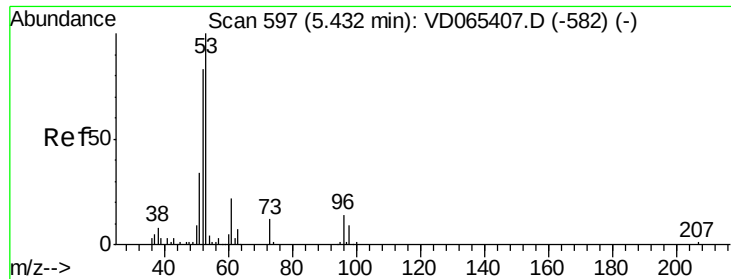
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#14
 Allyl chloride
 Concen: 20.552 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	41	Resp	141037
Ion Ratio	100	Lower	Upper
39	65.9	52.6	79.0
76	36.4	29.2	43.8





#15

Acrylonitrile

Concen: 93.135 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

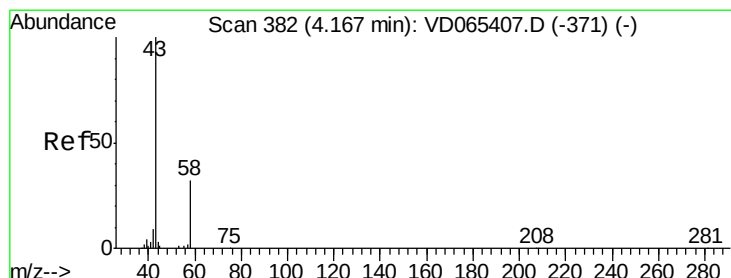
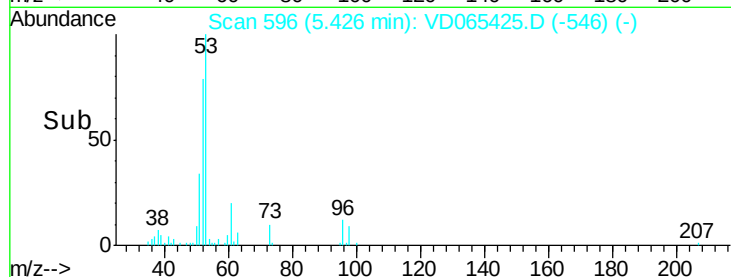
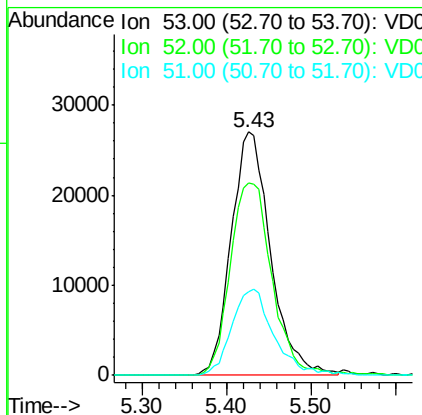
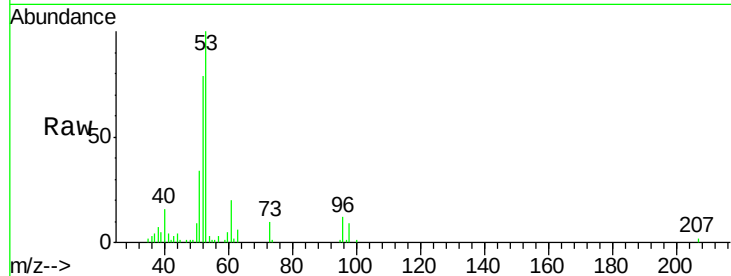
ClientSampleId :

VD0305SBS01

Tot Ion:	53	Resp:	87281
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.1	97.7
51	37.7	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 93.626 ug/l

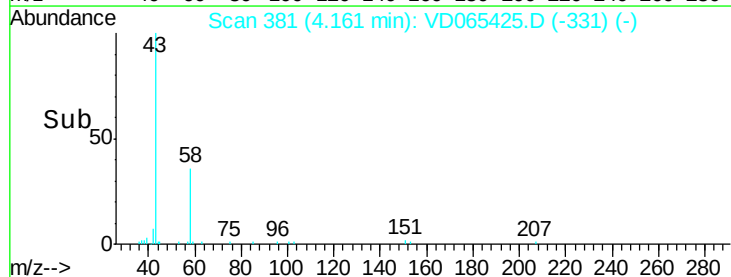
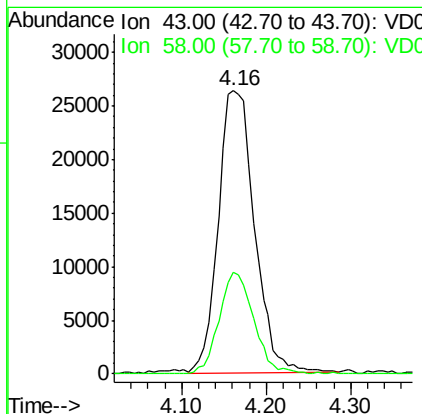
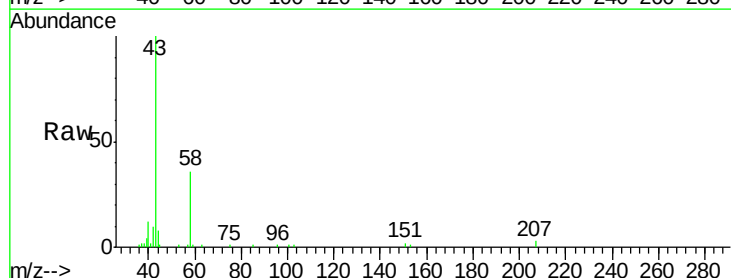
RT: 4.16 min Scan# 381

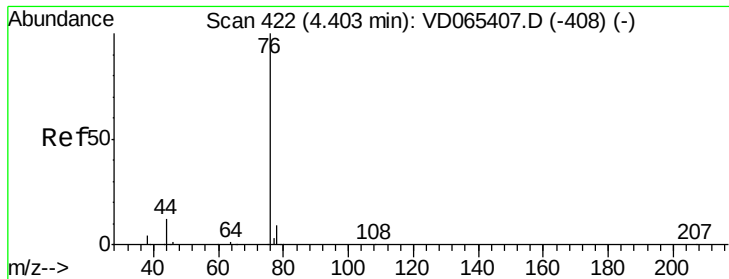
Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion:	43	Resp:	78020
Ion Ratio	Lower	Upper	
43	100		
58	36.4	25.1	37.7





#17

Carbon Disulfide

Concen: 21.441 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 76 Resp: 318980

Ion Ratio Lower Upper

76 100

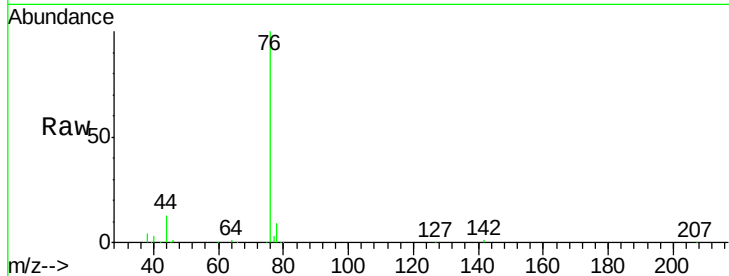
78 8.9 7.4 11.0

Manual Integrations

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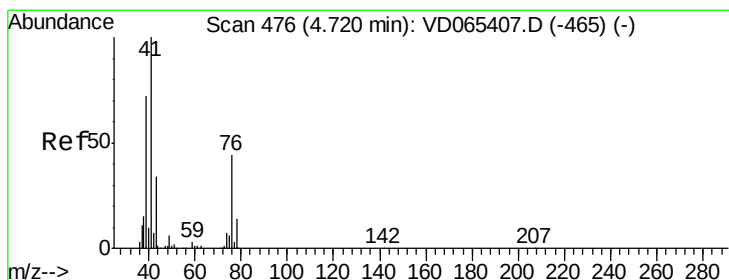
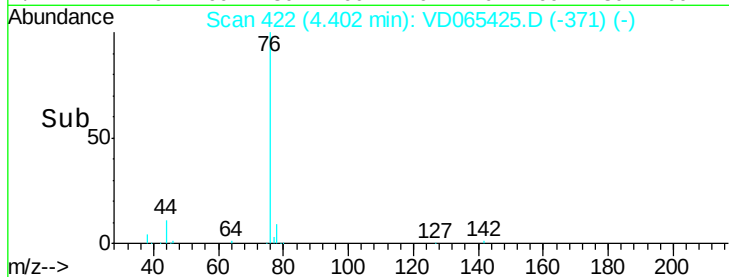
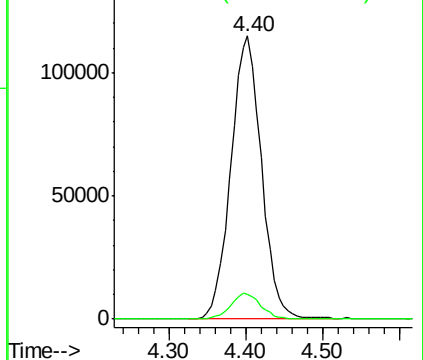
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.052 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065425.D

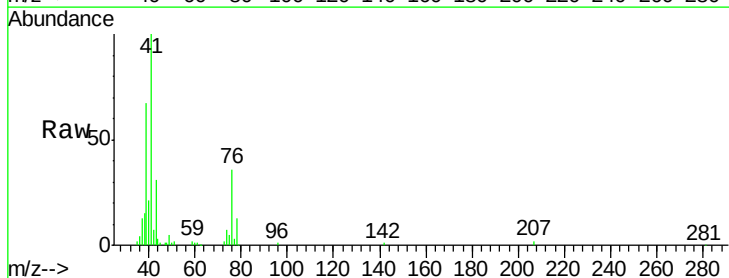
Acq: 05 Mar 2020 12:23

Tgt Ion: 43 Resp: 40273

Ion Ratio Lower Upper

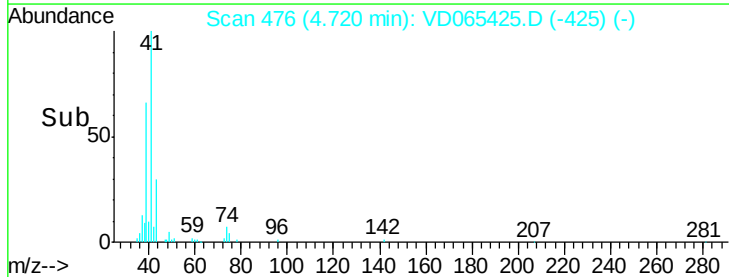
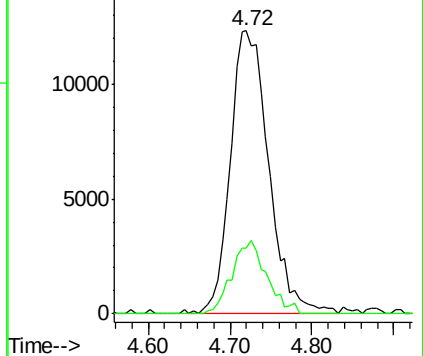
43 100

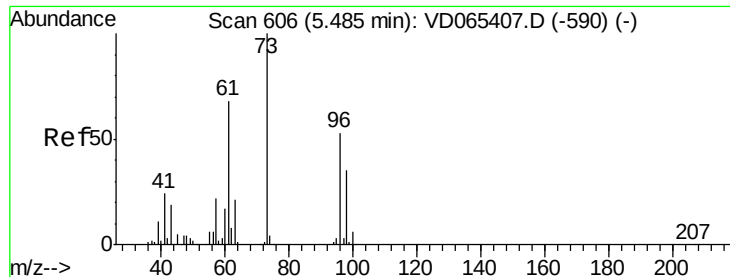
74 23.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





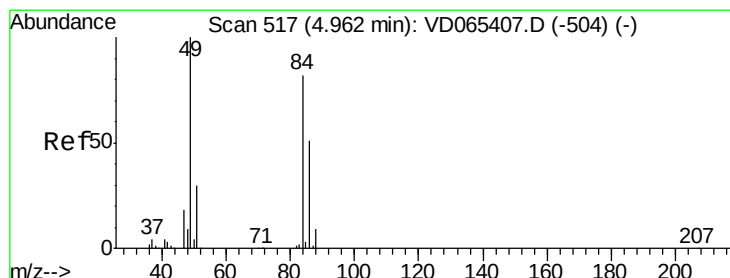
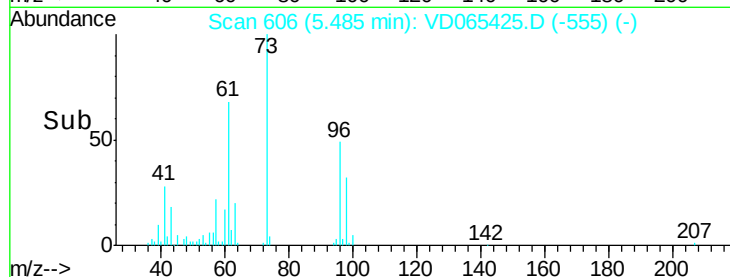
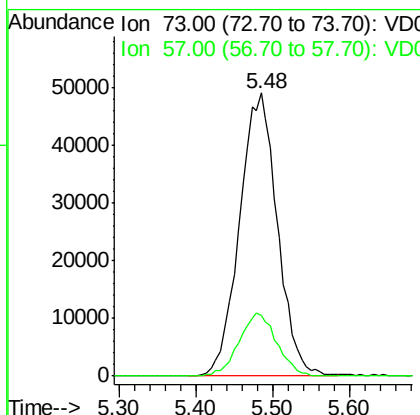
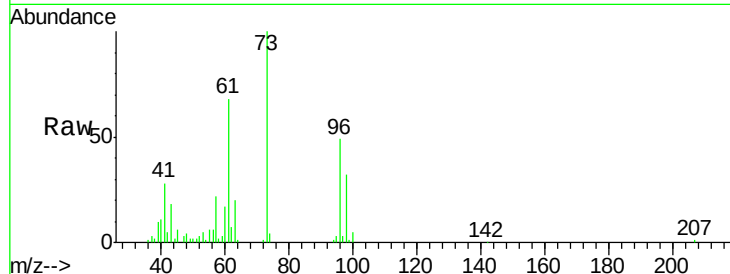
#19
Methyl tert-butyl Ether
Concen: 19.637 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 73 Resp: 168698
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9

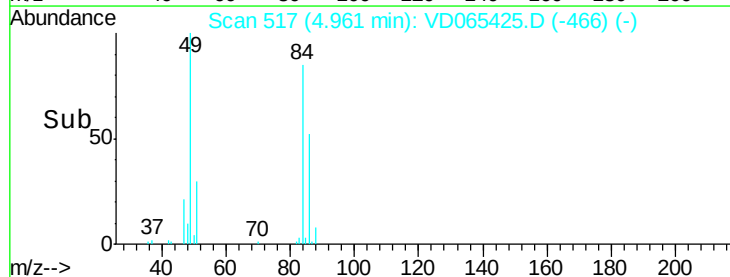
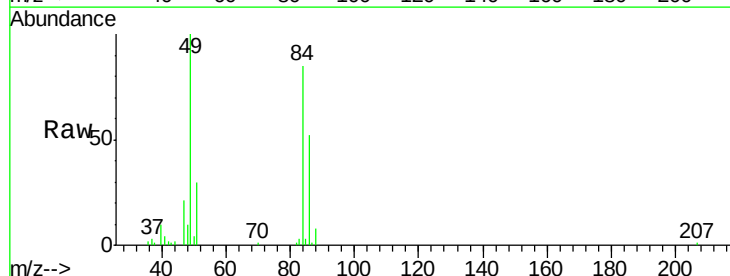
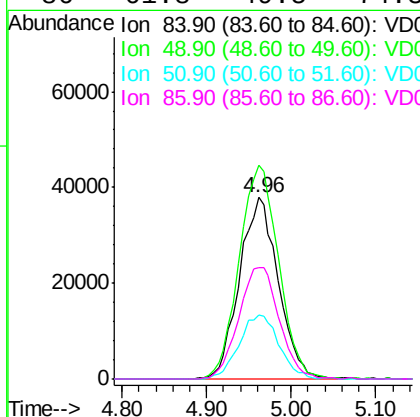
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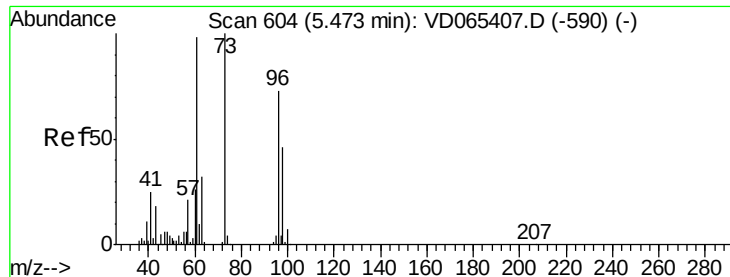
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#20
Methylene Chloride
Concen: 24.968 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 84 Resp: 120816
Ion Ratio Lower Upper
84 100
49 117.8 97.7 146.5
51 35.2 28.8 43.2
86 61.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.746 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 96 Resp: 103097

Ion Ratio Lower Upper

96 100

61 127.3 106.3 159.5

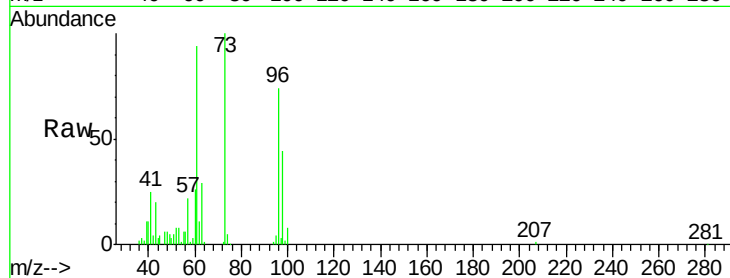
98 60.1 50.2 75.4

Manual Integrations

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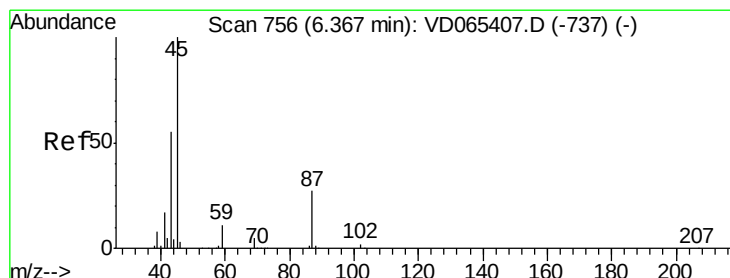
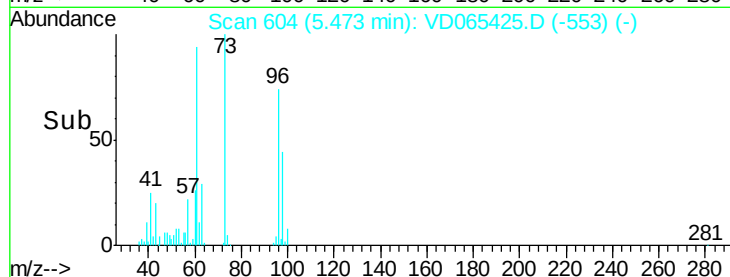
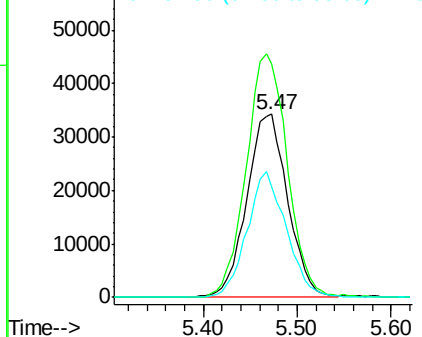


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.557 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion: 45 Resp: 275009

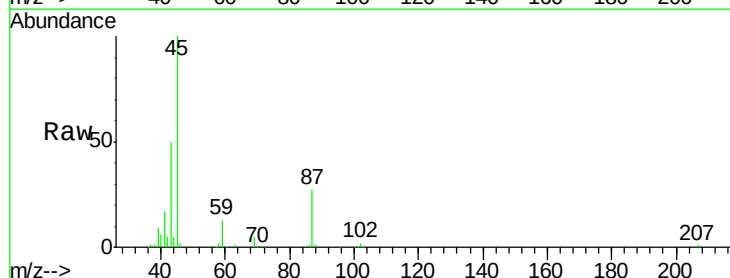
Ion Ratio Lower Upper

45 100

43 49.2 44.4 66.6

87 26.6 21.9 32.9

59 12.8 9.2 13.8



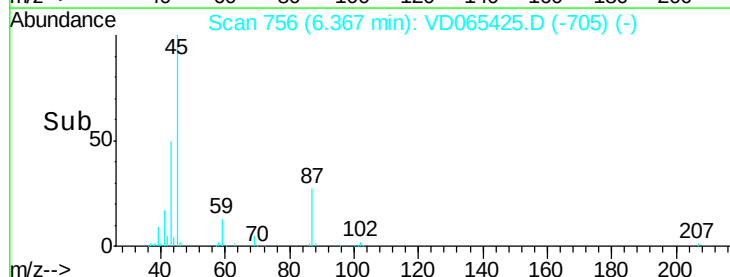
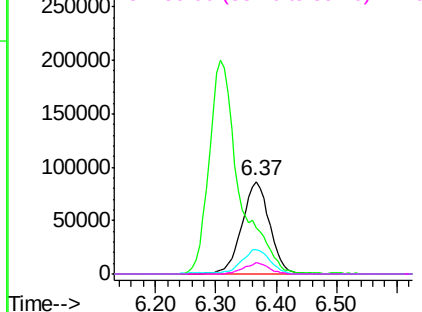
Abundance

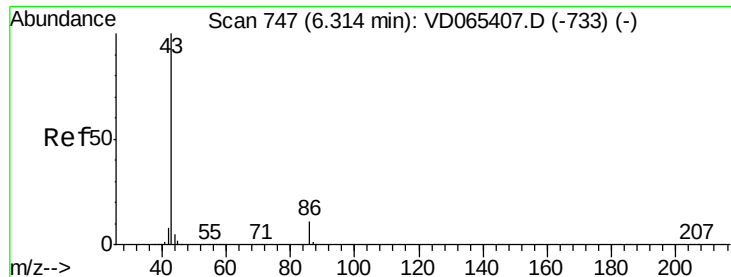
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 97.547 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 43 Resp: 690958

Ion Ratio Lower Upper

43 100

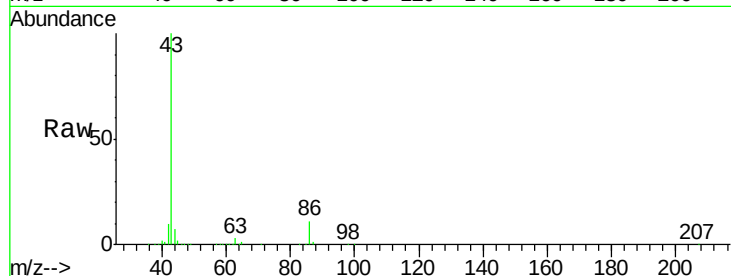
86 11.2 8.9 13.3

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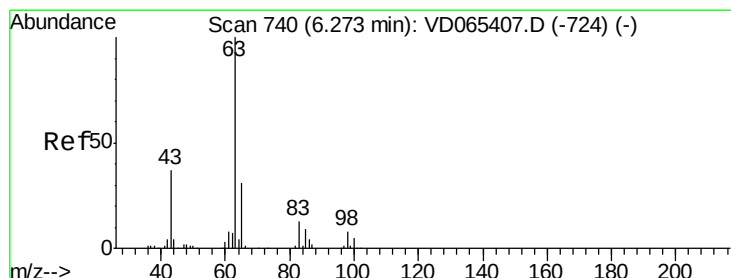
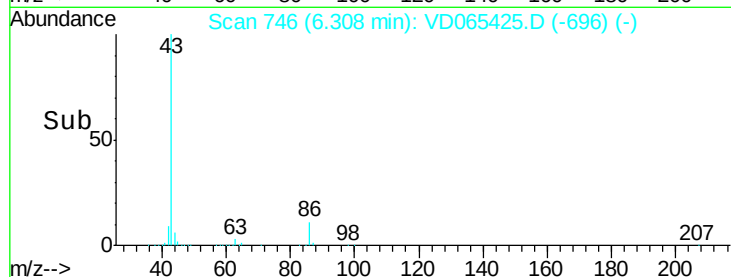
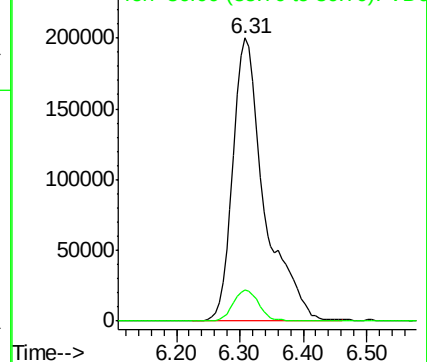
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.139 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

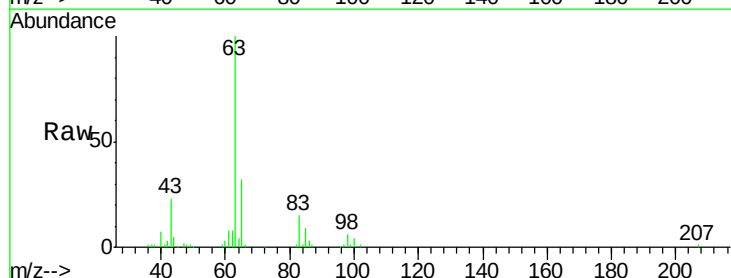
Tgt Ion: 63 Resp: 172969

Ion Ratio Lower Upper

63 100

98 5.8 4.2 12.6

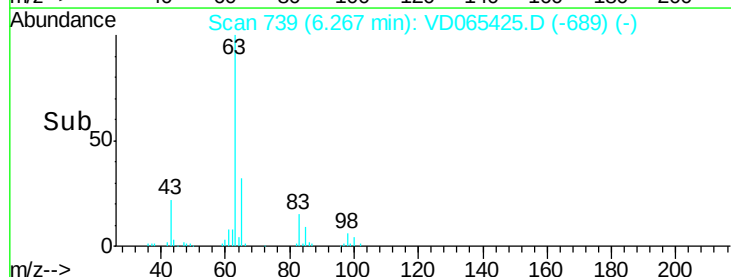
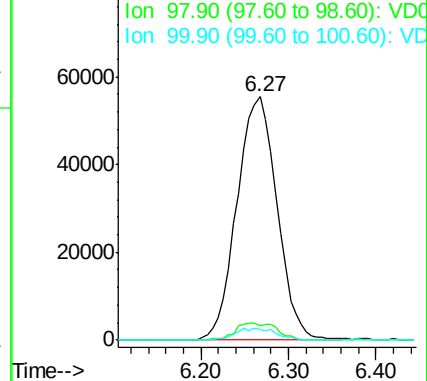
100 4.2 2.4 7.2

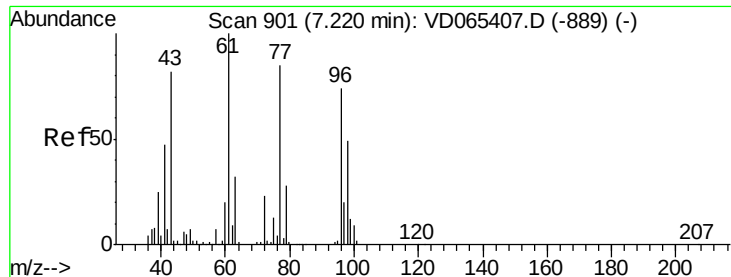


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 89.521 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 43 Resp: 101802

Ion Ratio Lower Upper

43 100

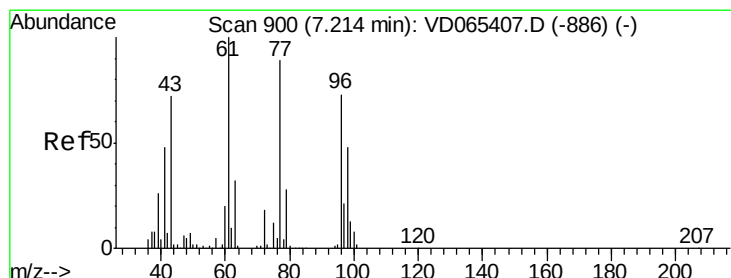
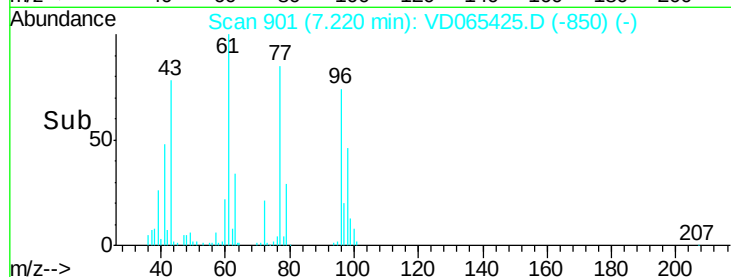
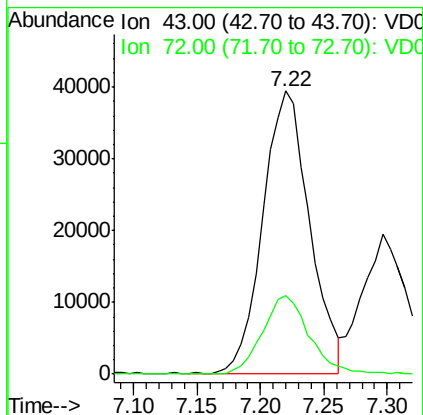
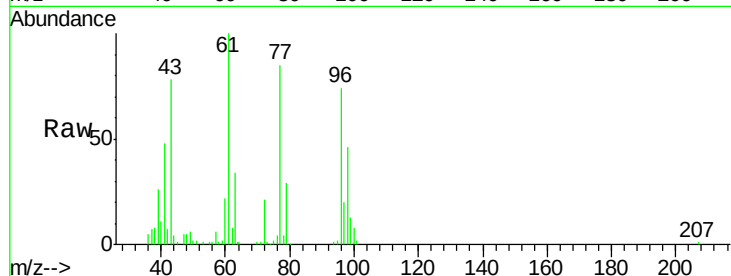
72 27.6 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.763 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065425.D

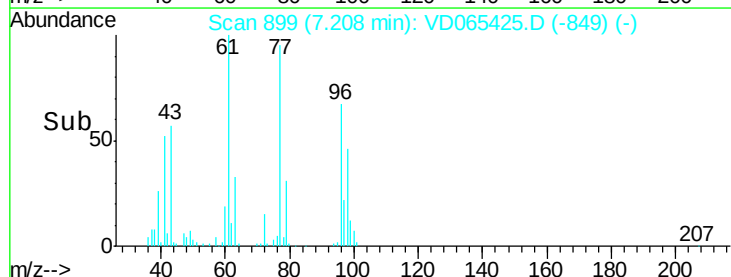
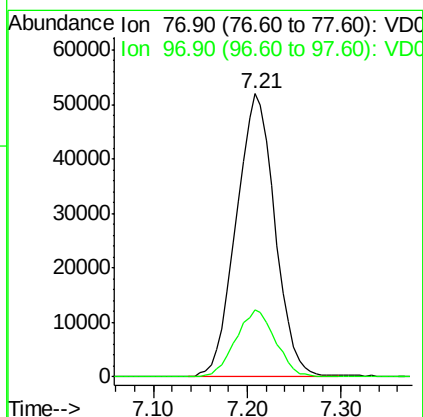
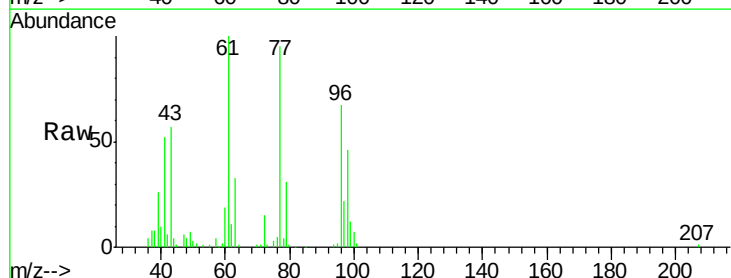
Acq: 05 Mar 2020 12:23

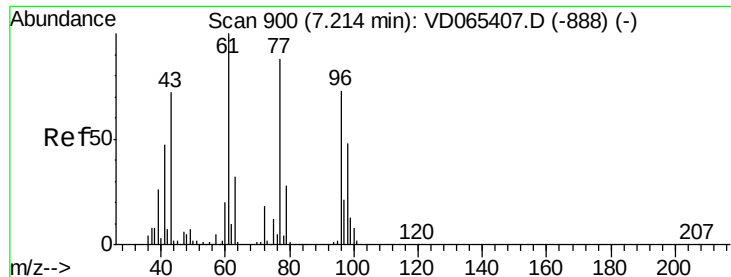
Tgt Ion: 77 Resp: 148471

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.657 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

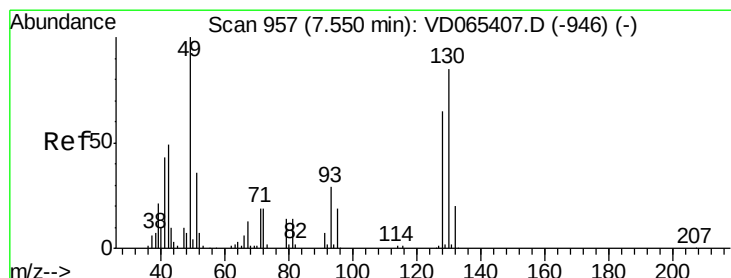
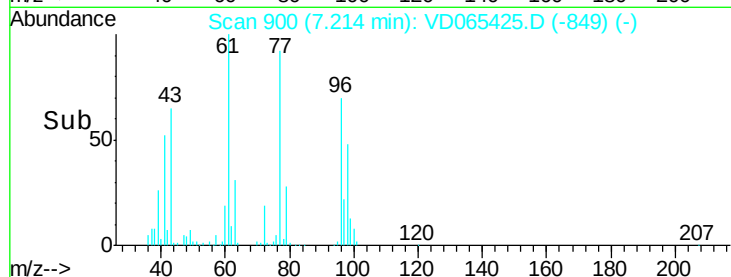
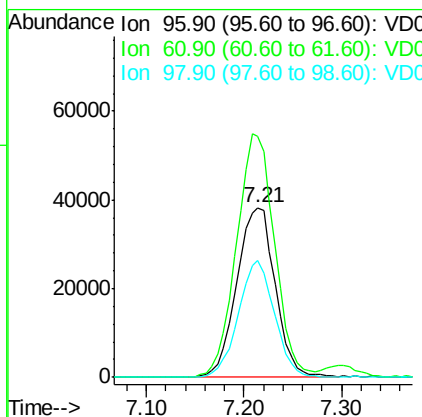
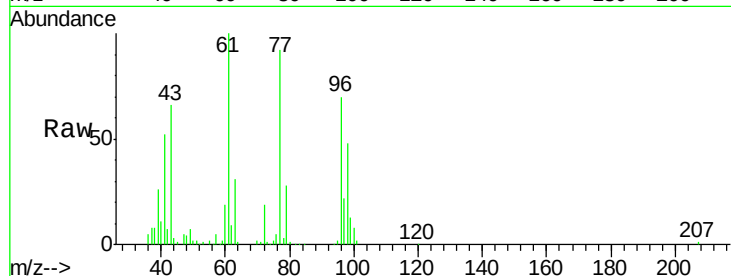
ClientSampleId :

VD0305SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	280.4
98	64.6	0.0	132.6

Manual Integrations
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3/6/2020 11:17:25 AM



#28

Bromochloromethane

Concen: 21.318 ug/l

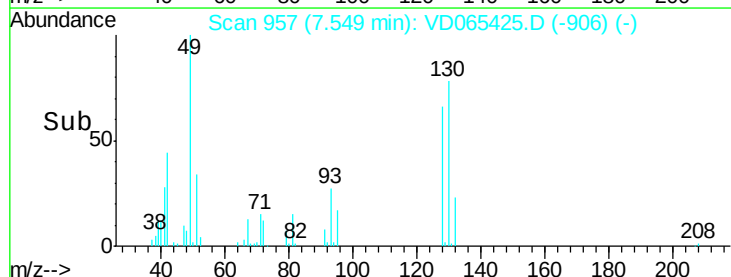
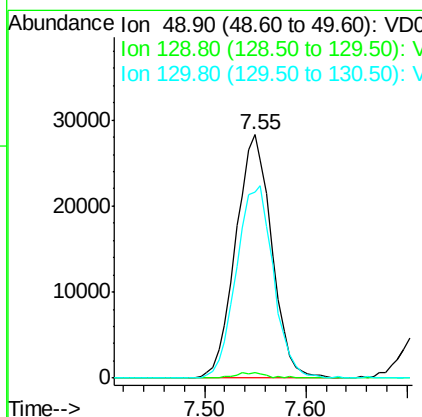
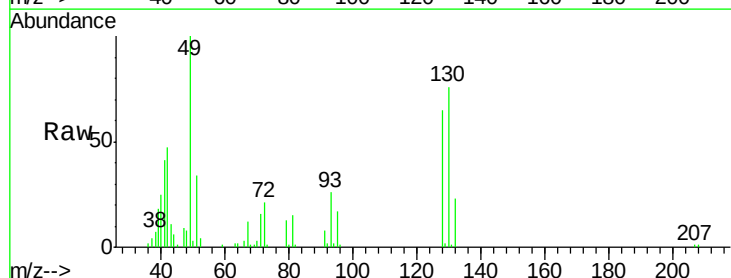
RT: 7.55 min Scan# 957

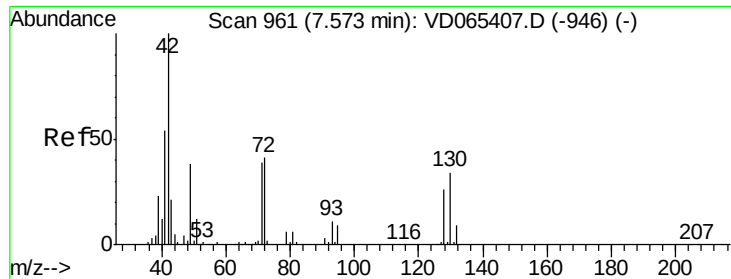
Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	81.3	66.6	100.0





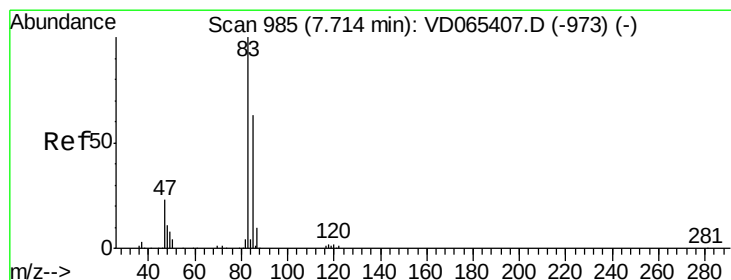
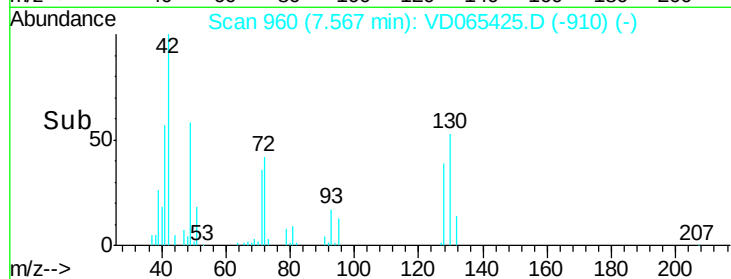
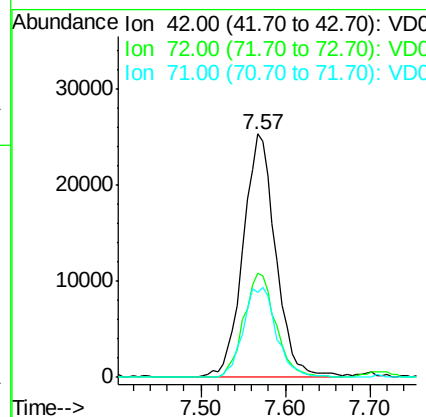
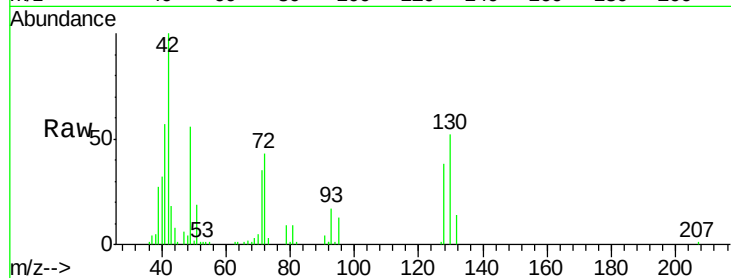
#29
Tetrahydrofuran
Concen: 93.235 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.0	49.6
71	37.3	32.0	48.0

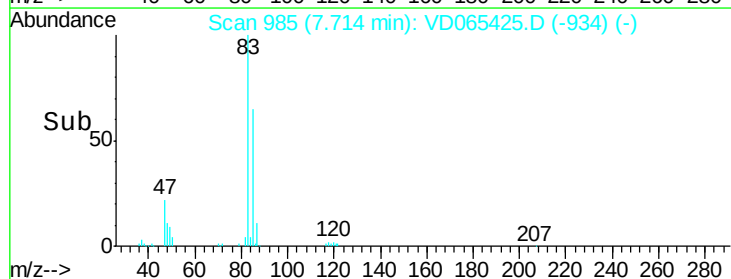
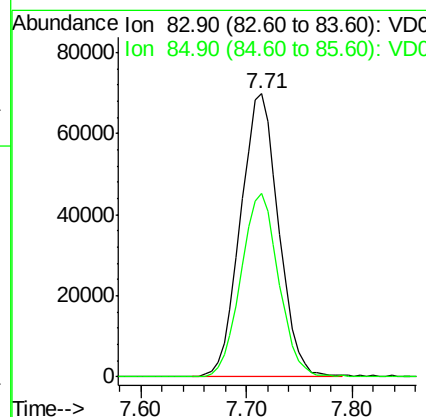
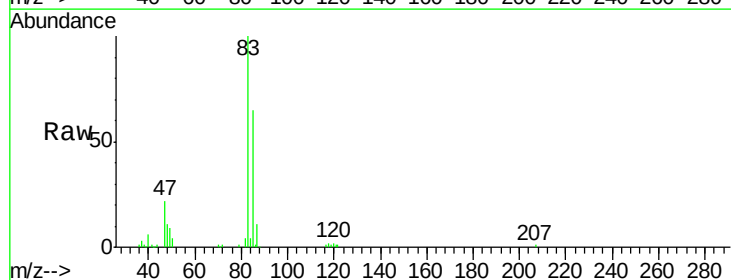
Manual Integrations
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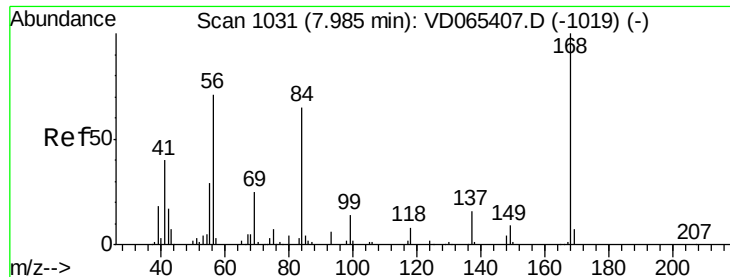
MMDadoda
3/6/2020 11:17:25 AM



#30
Chloroform
Concen: 21.354 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.3	75.5





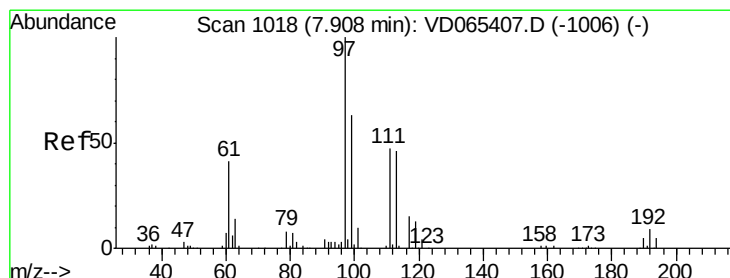
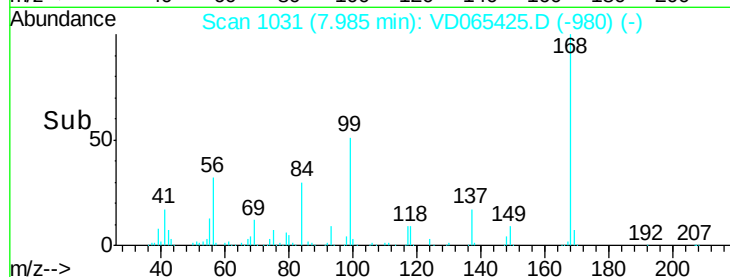
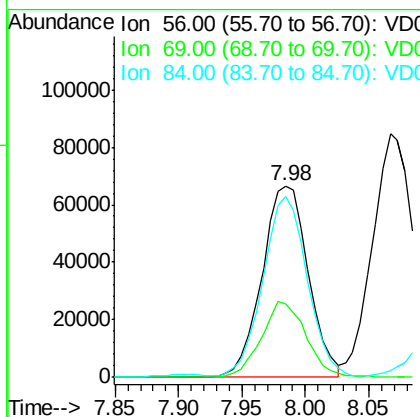
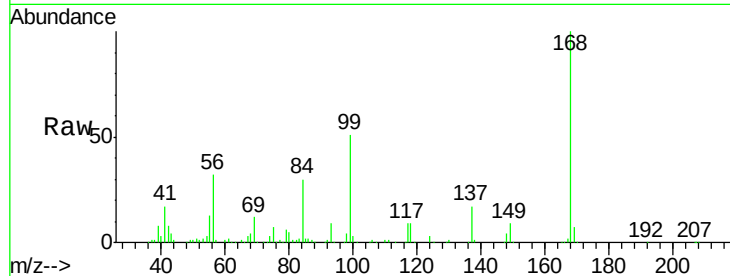
#31
Cyclohexane
Concen: 20.675 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	28.3	42.5
84	93.0	73.1	109.7

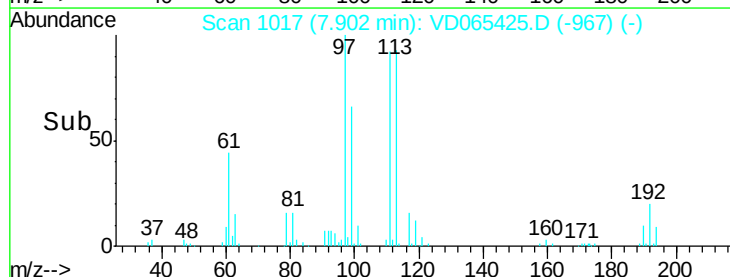
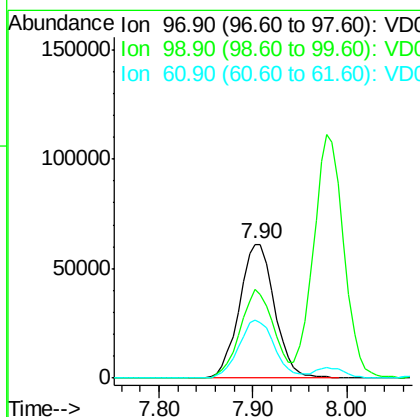
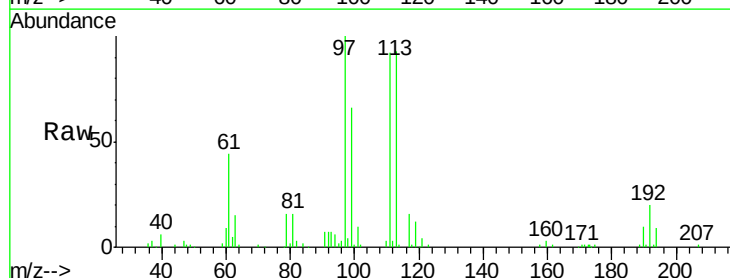
Manual Integrations
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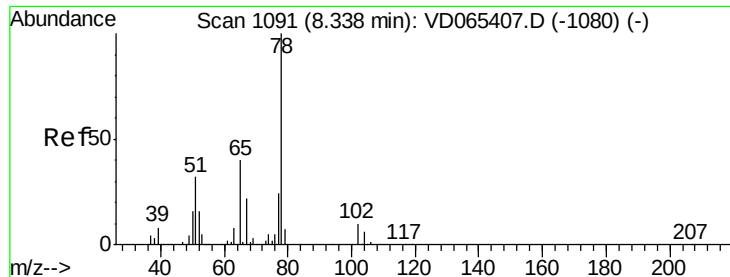
MMDadoda
3/6/2020 11:17:25 AM



#32
1,1,1-Trichloroethane
Concen: 20.984 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.9	76.3
61	43.7	33.2	49.8





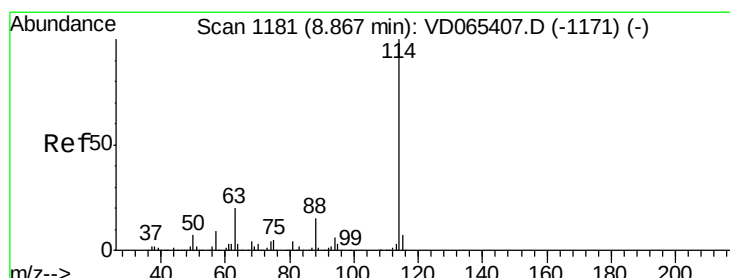
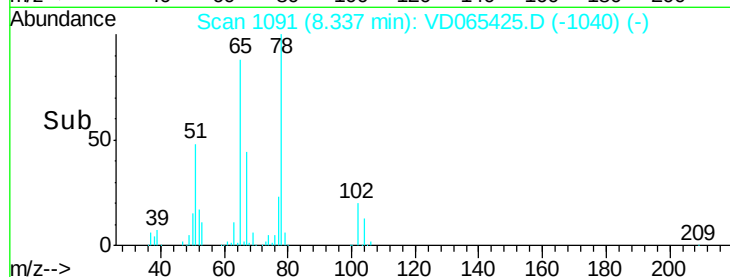
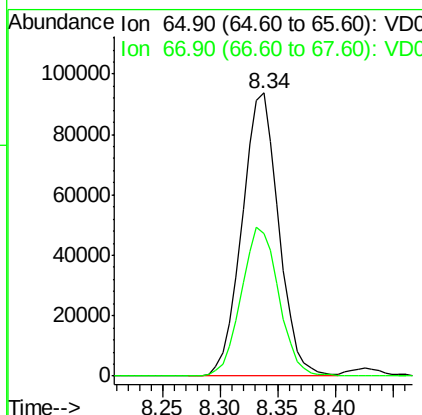
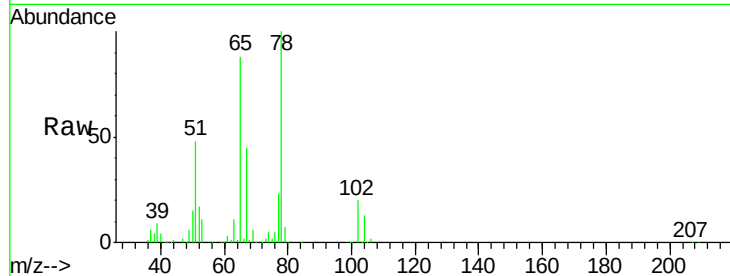
#33
 1,2-Dichloroethane-d4
 Concen: 50.314 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207315		
67	54.0	0.0	108.0	

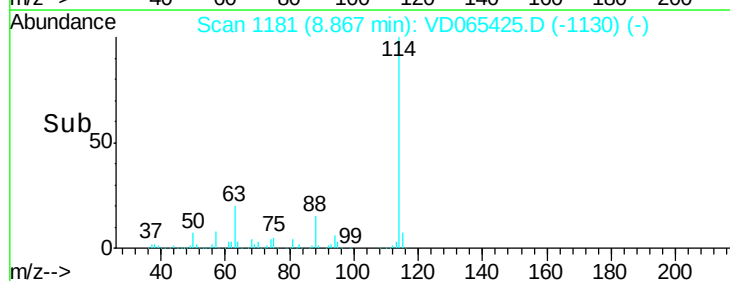
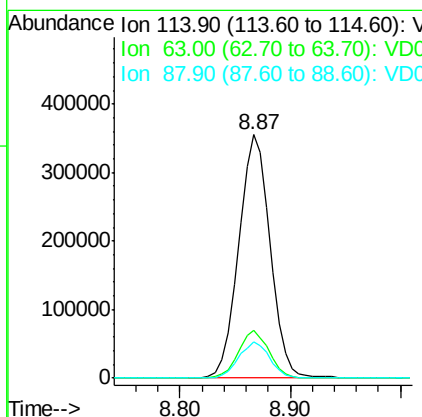
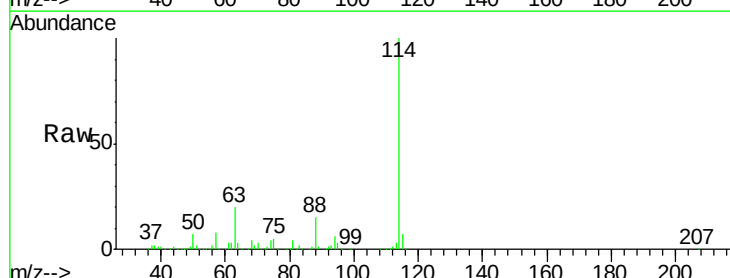
Manual Integrations
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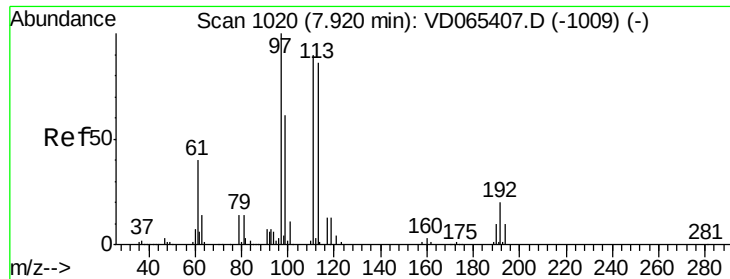
MMDadoda
 3/6/2020 11:17:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	709751		
63	19.7	0.0	39.6	
88	14.9	0.0	30.4	





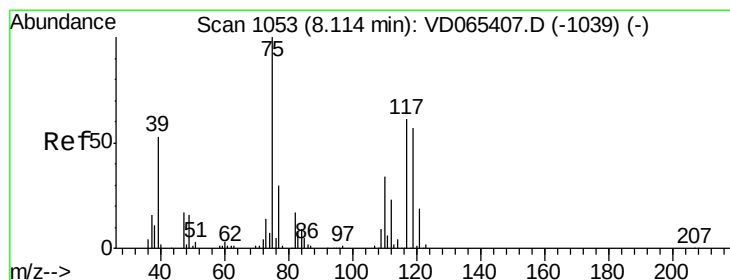
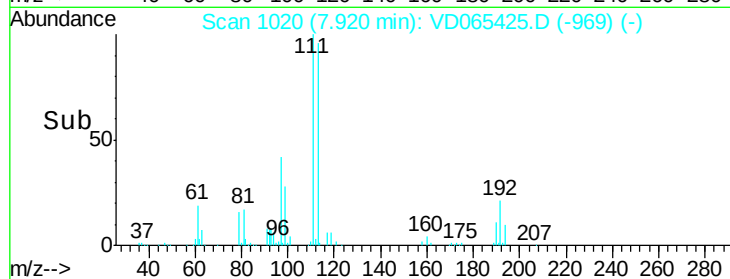
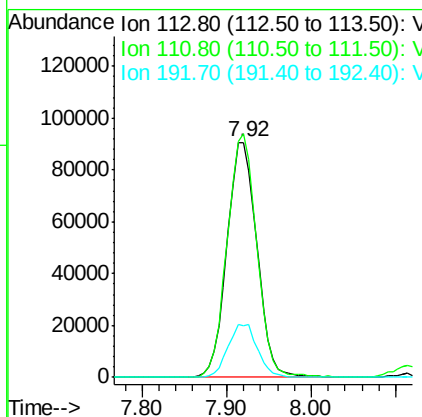
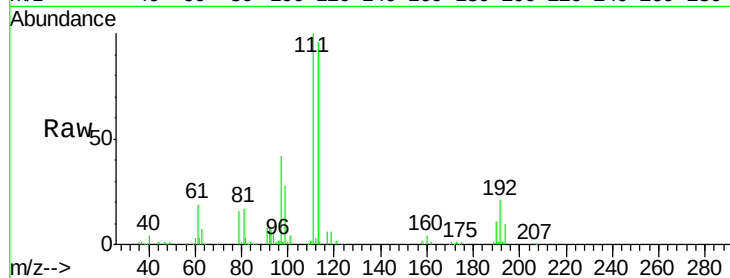
#35
 Dibromofluoromethane
 Concen: 50.634 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.1	123.1
192	22.3	17.2	25.8

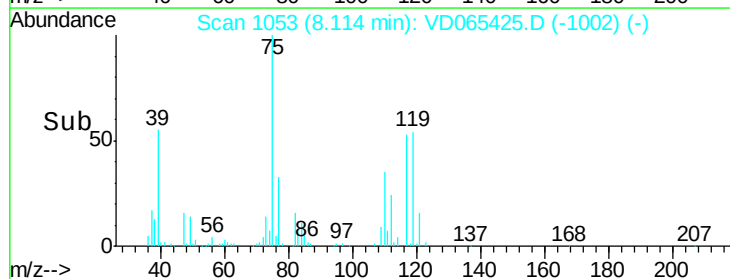
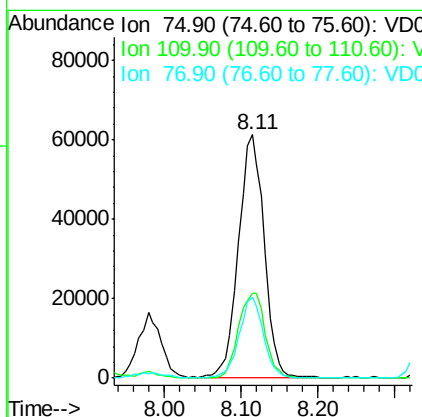
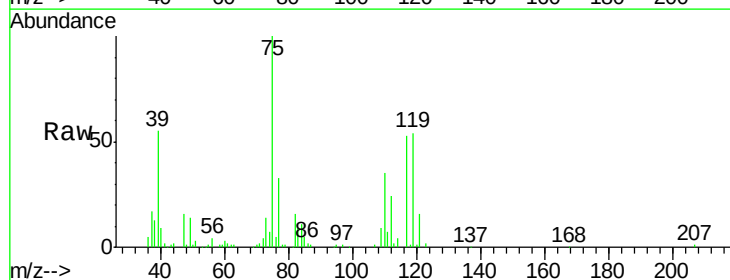
Manual Integrations
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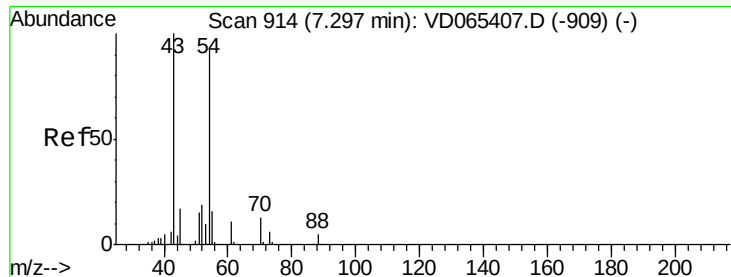
MMDadoda
 3/6/2020 11:17:25 AM



#36
 1,1-Dichloropropene
 Concen: 21.219 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	31.6	25.2	37.8





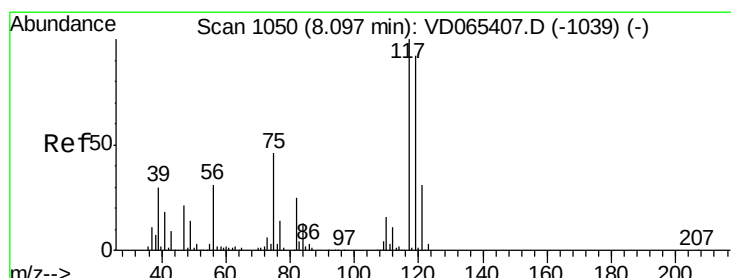
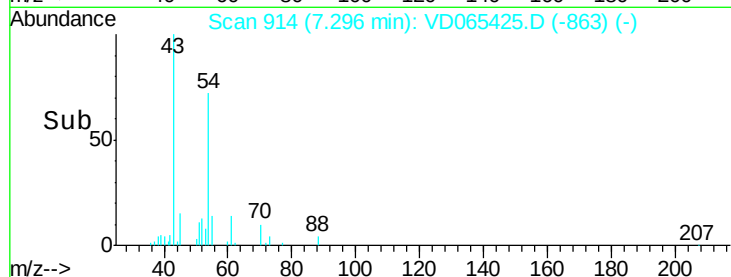
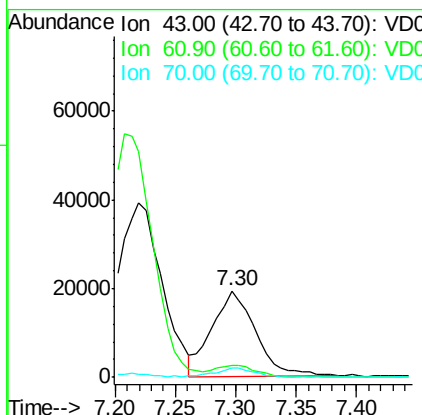
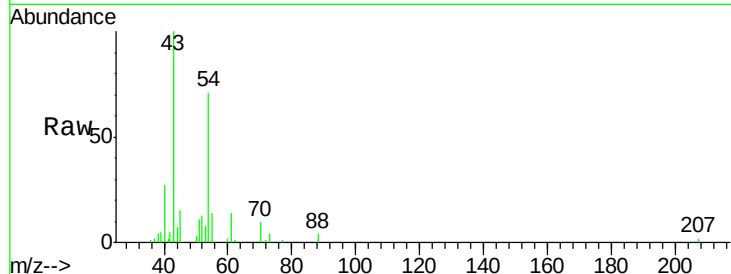
#37
Ethyl Acetate
Concen: 18.496 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.4	17.0
70	9.8	9.0	13.4

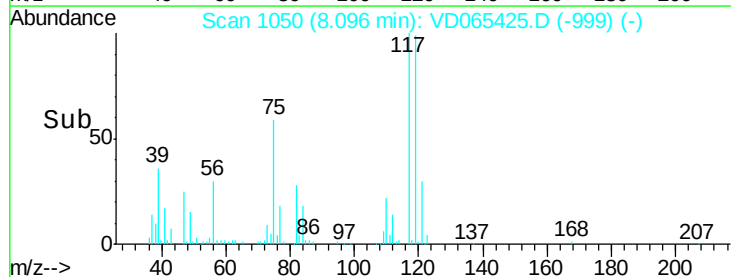
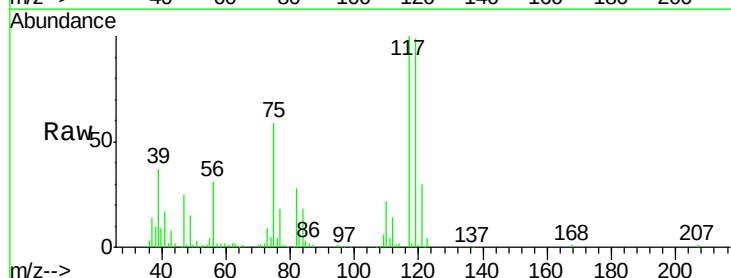
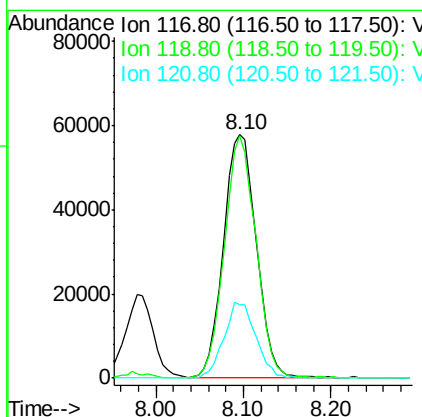
Manual Integrations
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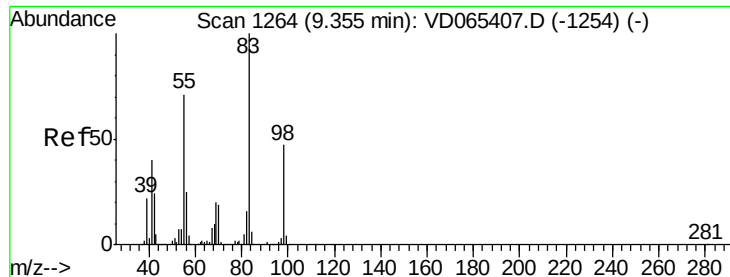
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.109 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	73.3	109.9
121	30.0	25.0	37.4





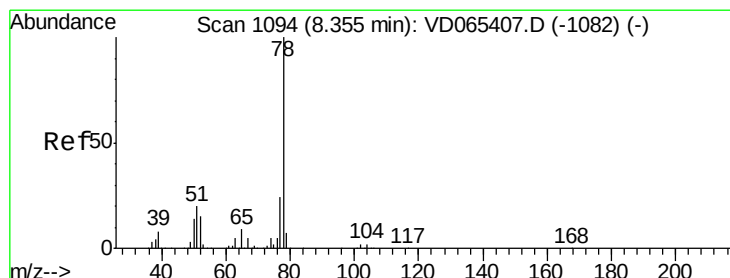
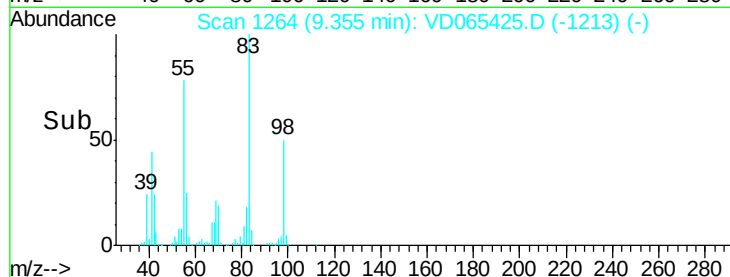
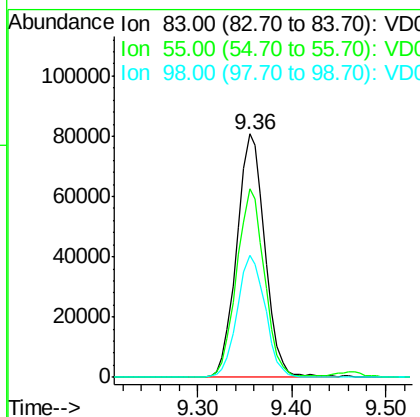
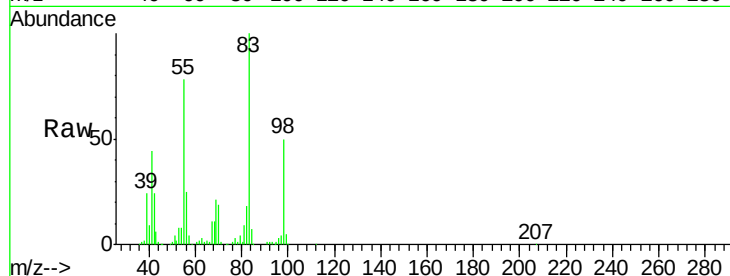
#39
Methylvlcyclohexane
Concen: 20.348 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	57.1	85.7
98	50.3	37.8	56.8

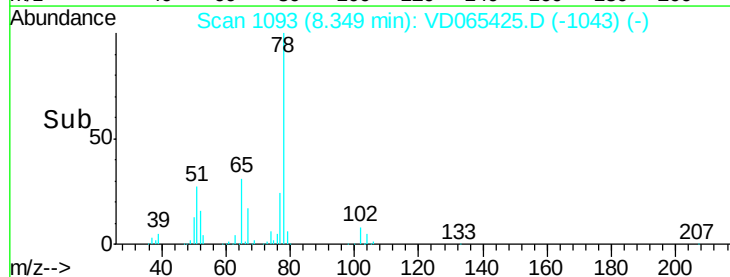
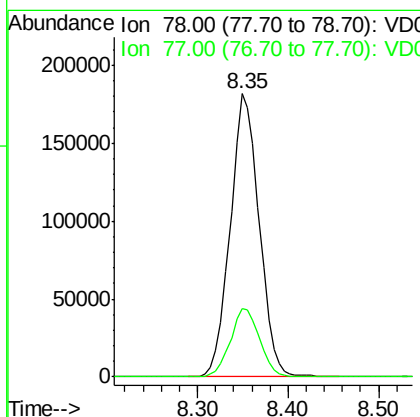
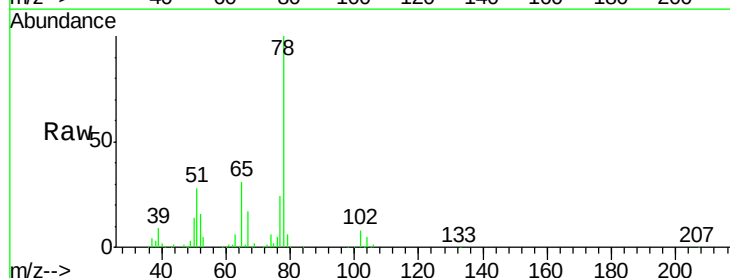
Manual Integrations
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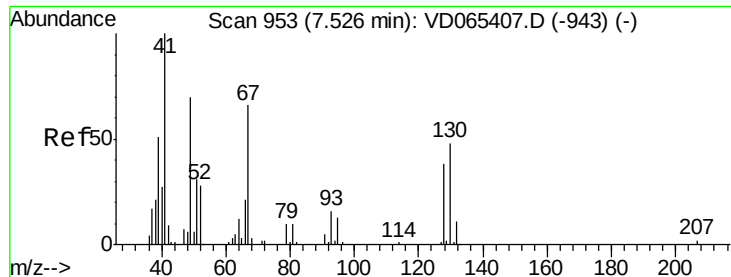
MMDadoda
3/6/2020 11:17:25 AM



#40
Benzene
Concen: 21.223 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





#41

Methacrylonitrile

Concen: 19.593 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 41 Resp: 27248

Ion Ratio Lower Upper

41 100

39 59.0 55.0 82.6

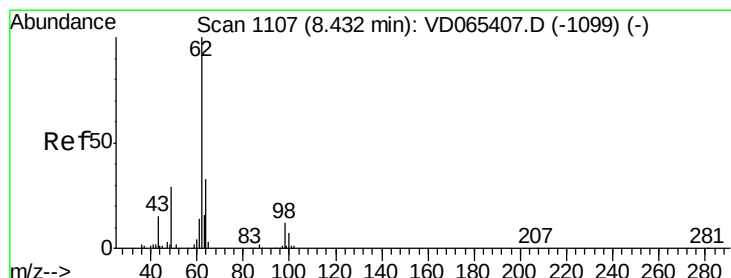
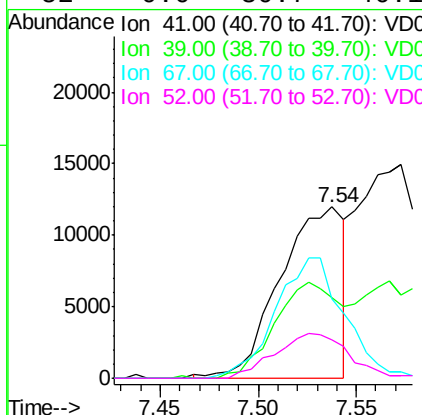
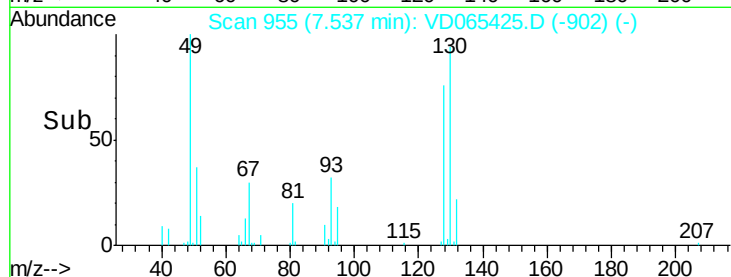
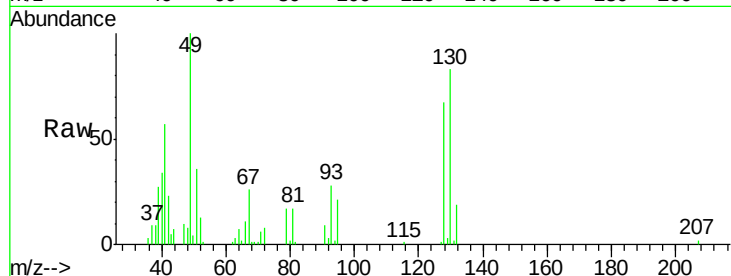
67 0.0 70.3 105.5#

52 0.0 30.7 46.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.494 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065425.D

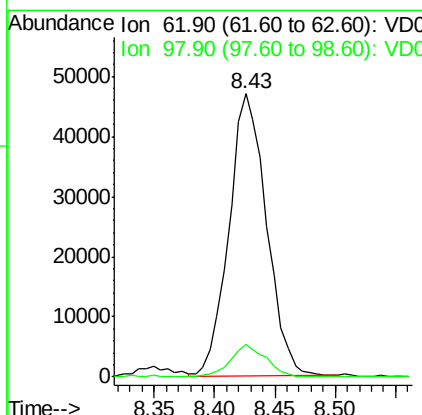
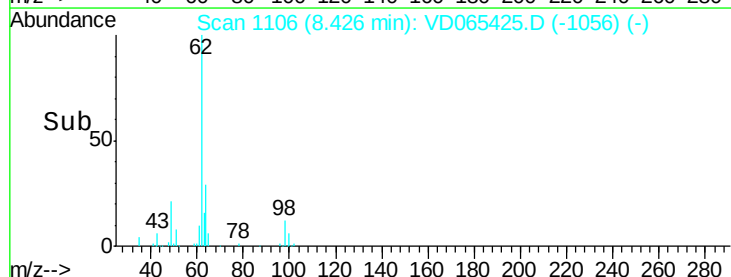
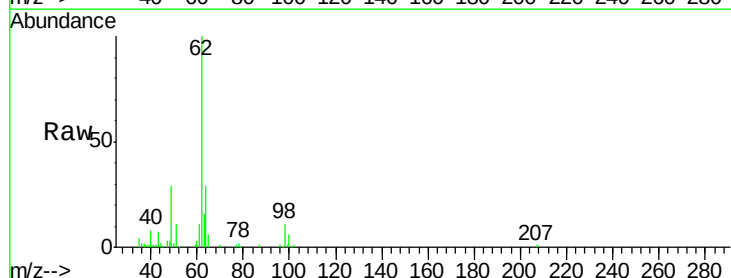
Acq: 05 Mar 2020 12:23

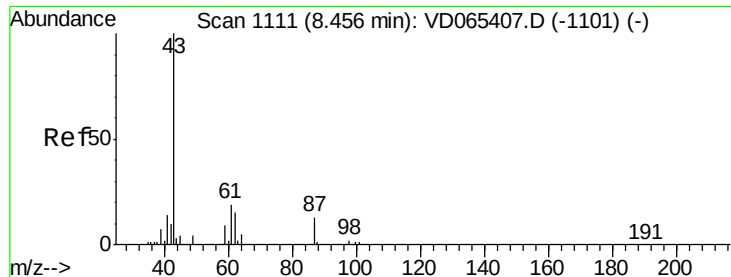
Tgt Ion: 62 Resp: 101798

Ion Ratio Lower Upper

62 100

98 10.7 0.0 21.4





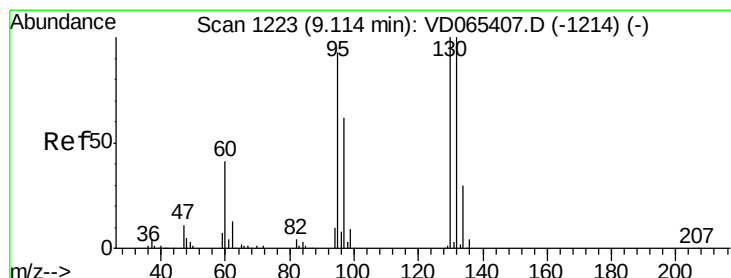
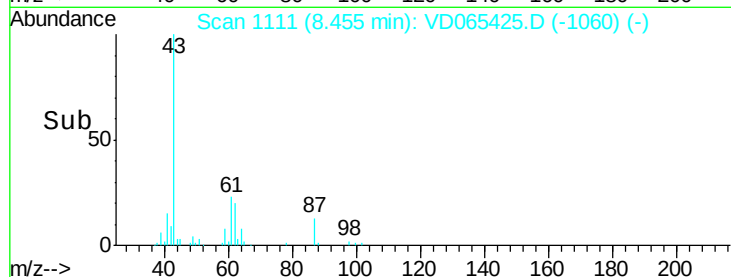
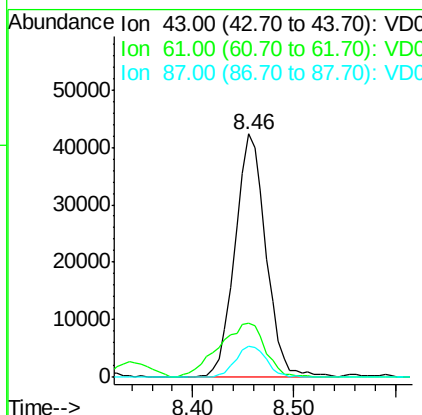
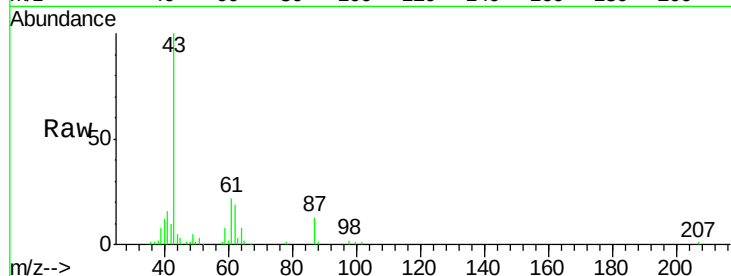
#43
Isopropyl Acetate
Concen: 18.534 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.0	37.6
87	12.7	11.0	16.4

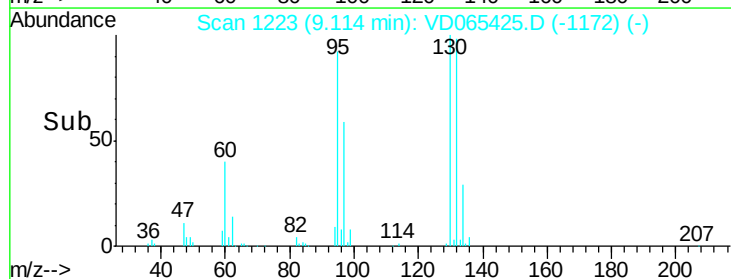
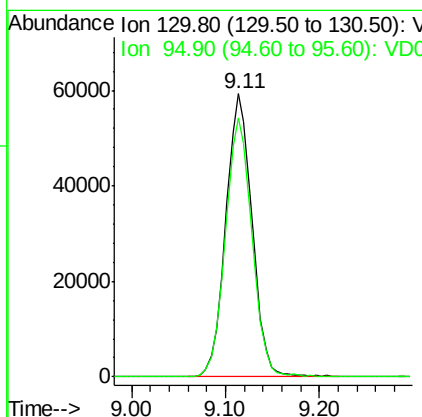
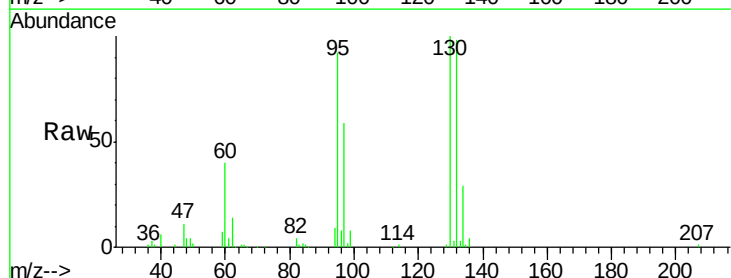
Manual Integrations
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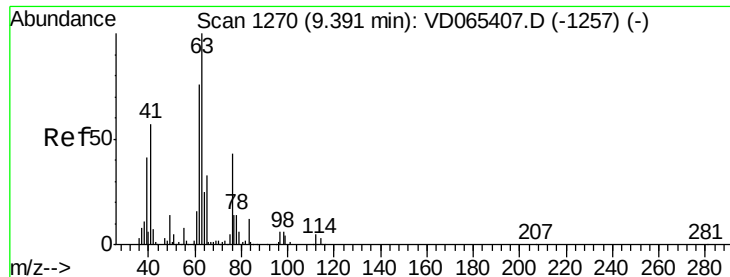
MMDadoda
3/6/2020 11:17:25 AM



#44
Trichloroethene
Concen: 21.417 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	186.0





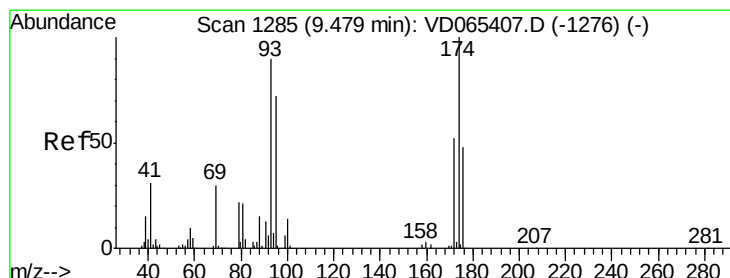
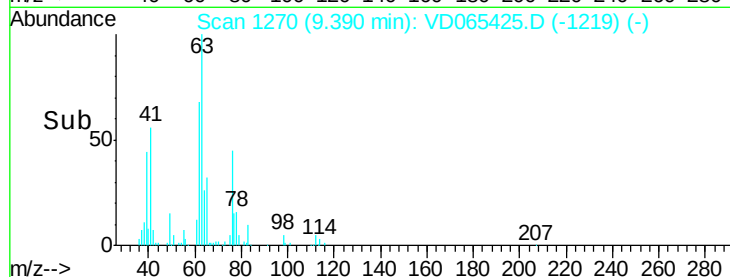
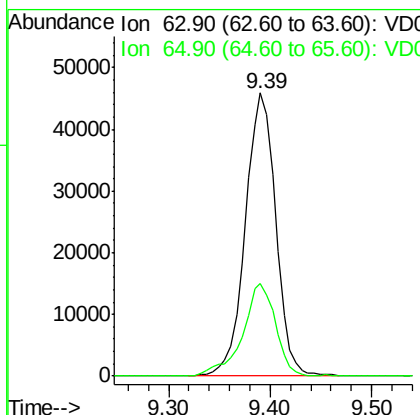
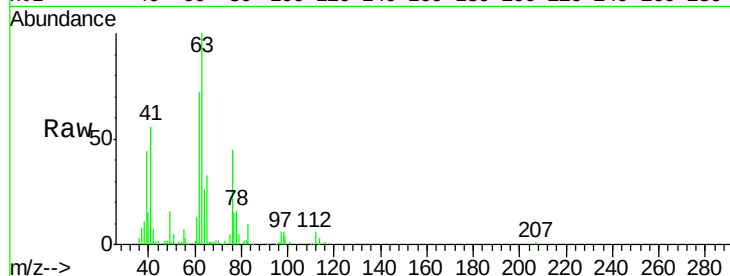
#45
 1,2-Dichloropropane
 Concen: 20.797 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	26.4	39.6

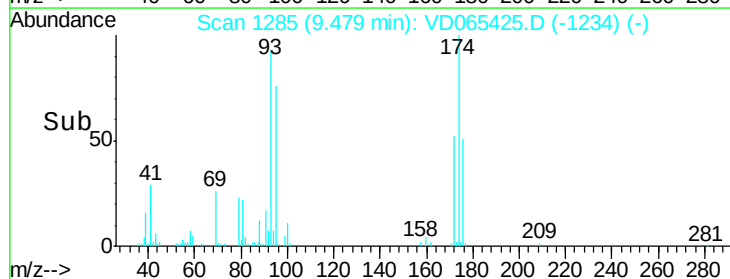
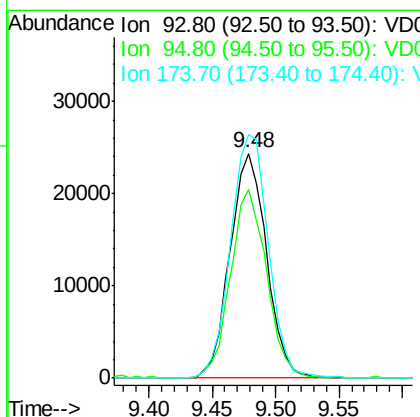
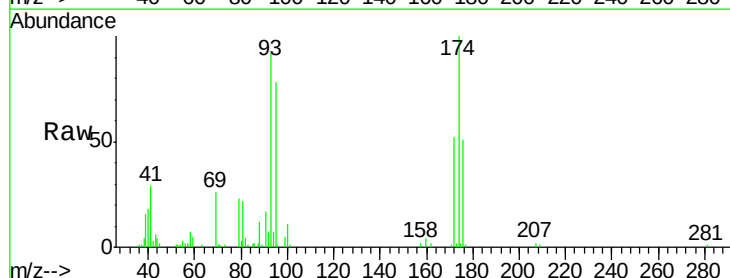
Manual Integrations
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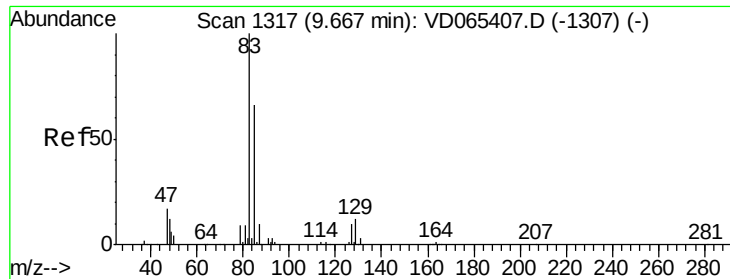
MMDadoda
 3/6/2020 11:17:25 AM



#46
 Dibromomethane
 Concen: 20.373 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.0	97.6
174	112.2	88.3	132.5





#47

Bromodichloromethane

Concen: 21.029 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

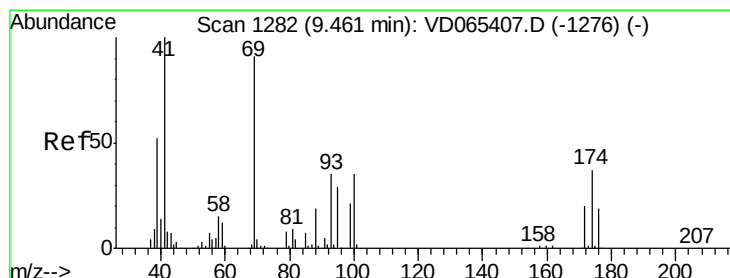
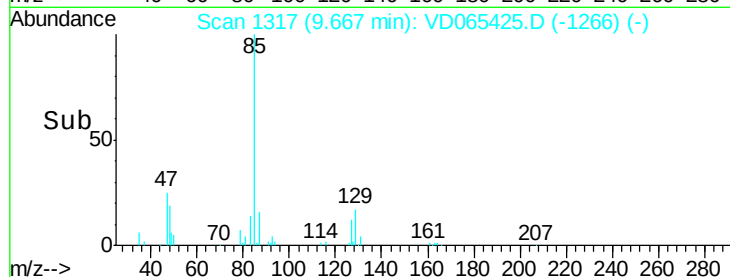
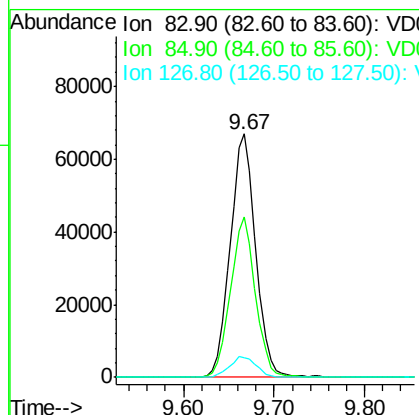
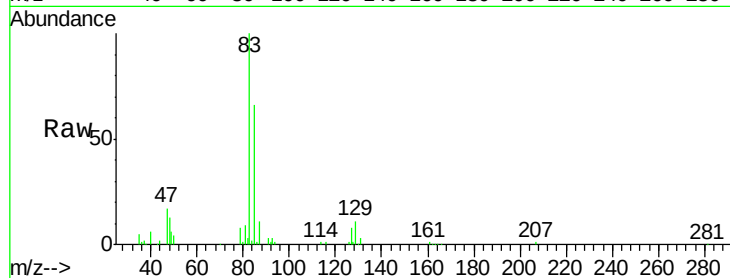
ClientSampleId :

VD0305SBS01

Tot Ion:	83	Resp:	130758
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.8	79.2
127	7.9	8.0	12.0#

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:17:25 AM



#48

Methyl methacrylate

Concen: 18.496 ug/l

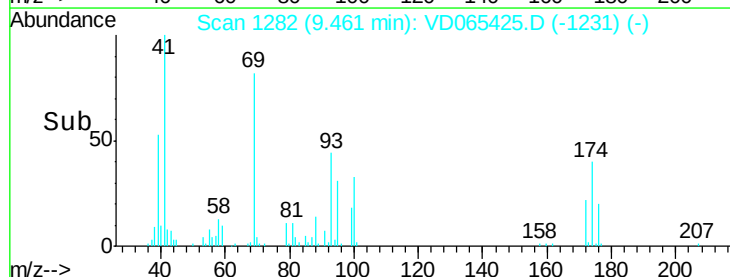
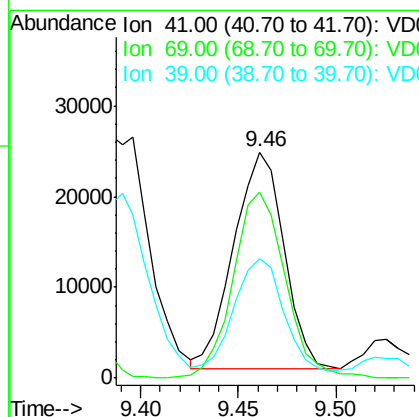
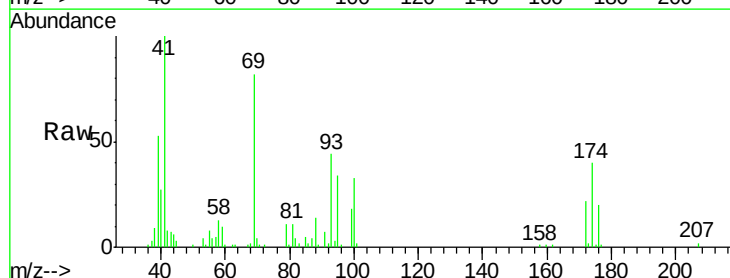
RT: 9.46 min Scan# 1282

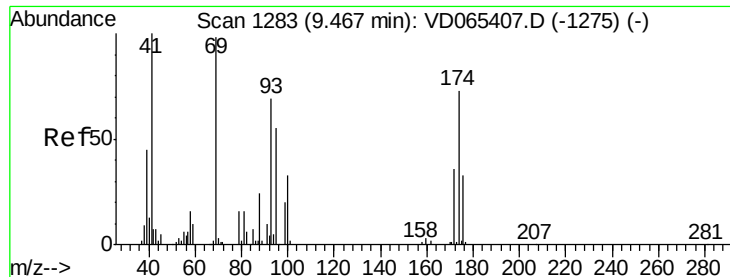
Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion:	41	Resp:	42243
Ion	Ratio	Lower	Upper
41	100		
69	89.8	72.5	108.7
39	51.6	41.6	62.4





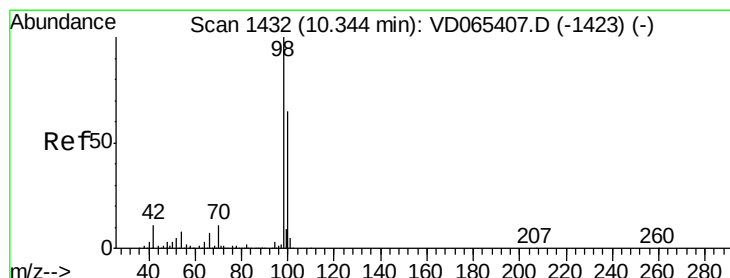
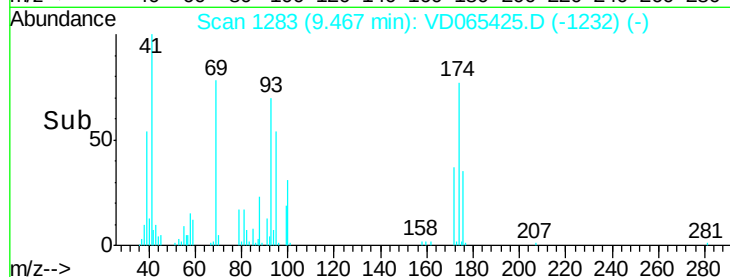
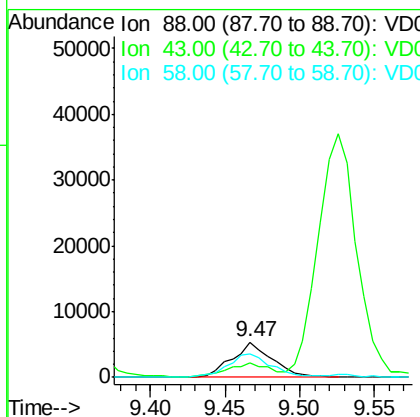
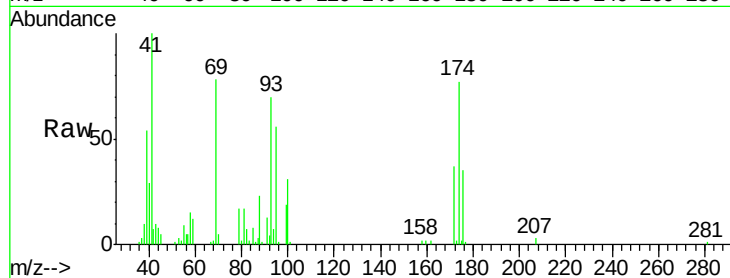
#49
1,4-Dioxane
Concen: 362.816 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.2	24.5	36.7#
58	72.2	54.5	81.7

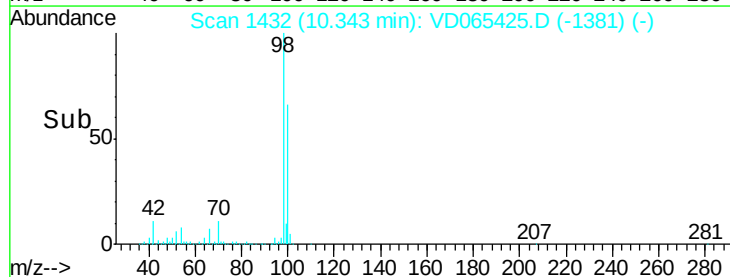
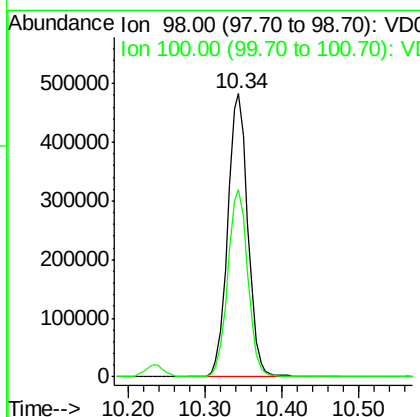
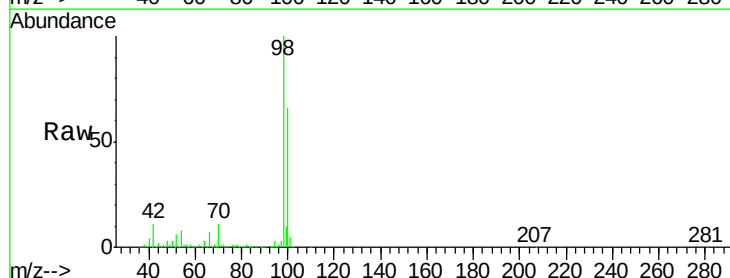
Manual Integrations
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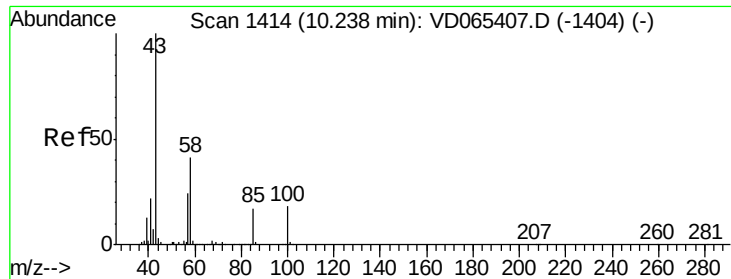
MMDadoda
3/6/2020 11:17:25 AM



#50
Toluene-d8
Concen: 52.380 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2





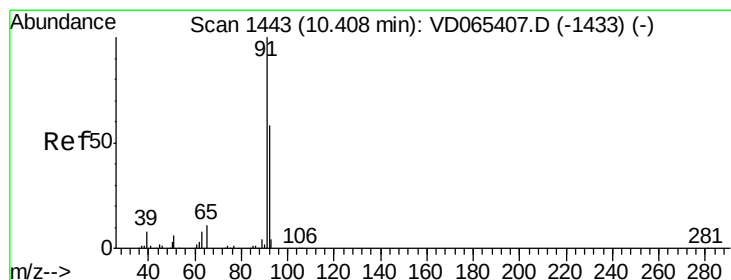
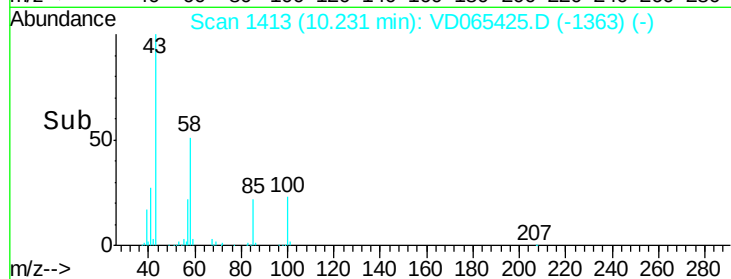
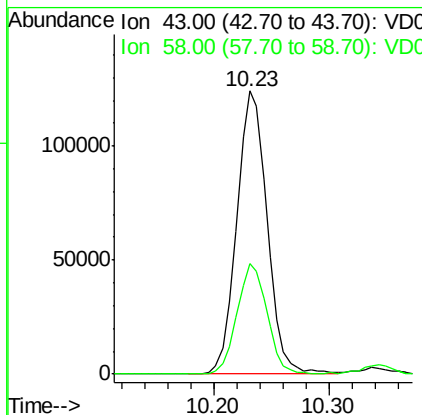
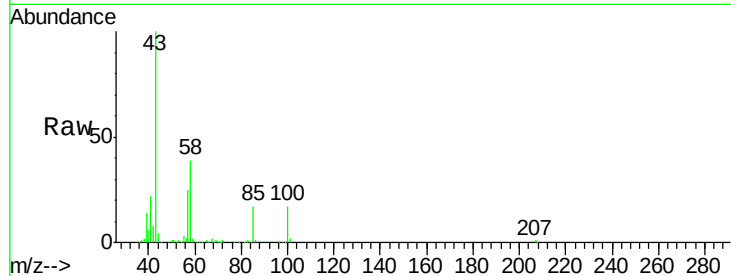
#51
4-Methyl-2-Pentanone
Concen: 92.593 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.8	47.6

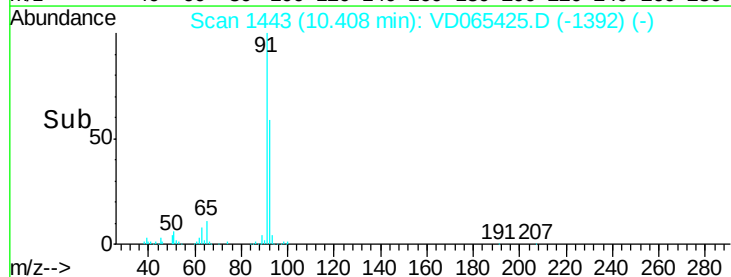
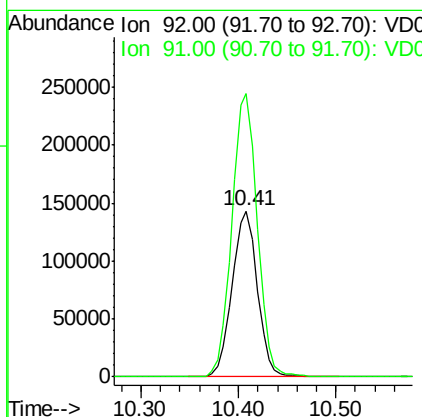
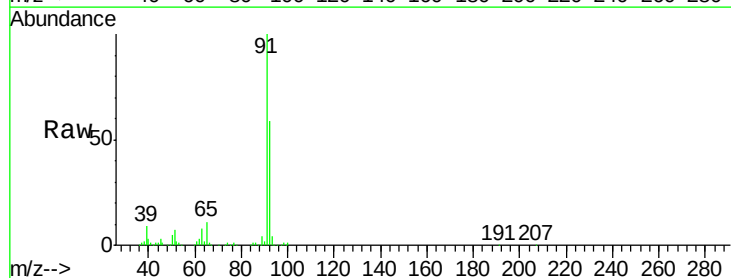
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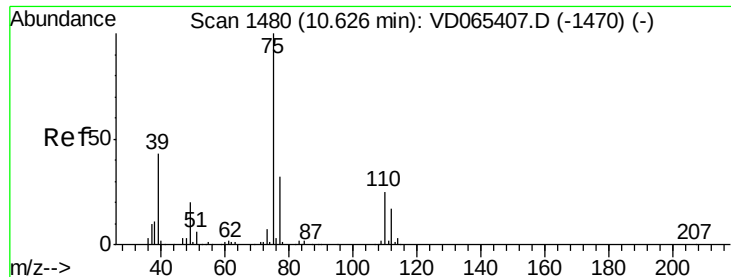
MMDadoda
3/6/2020 11:17:25 AM



#52
Toluene
Concen: 21.472 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.8	206.8





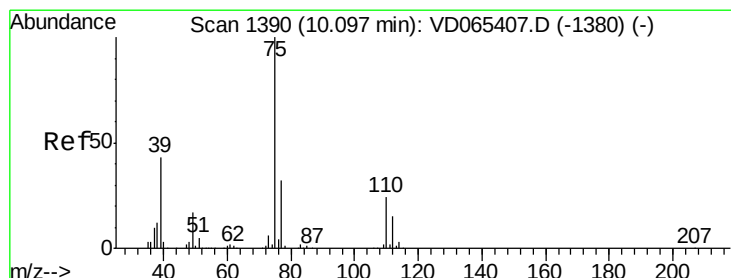
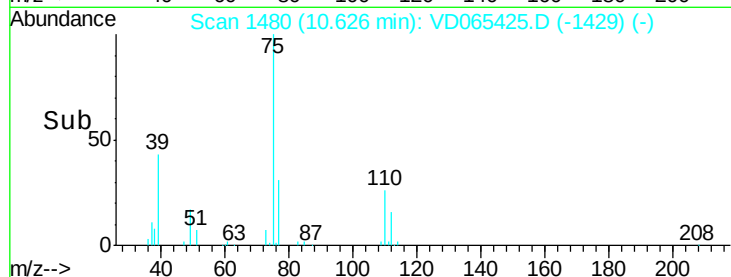
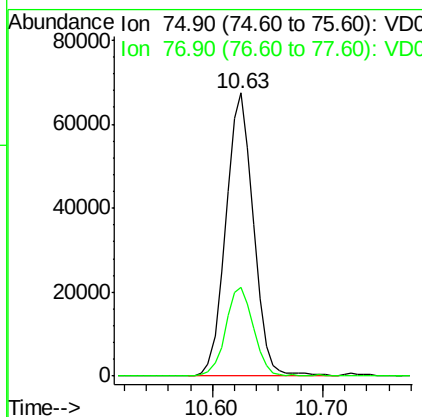
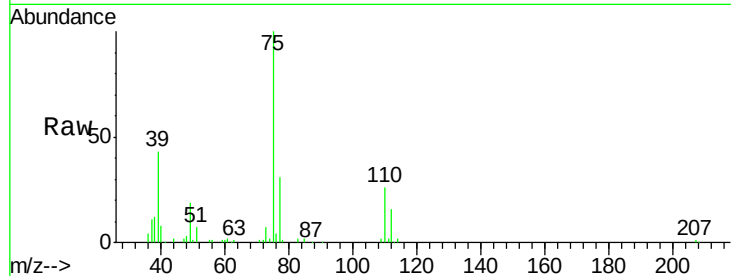
#53
t-1,3-Dichloropropene
Concen: 20.318 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2

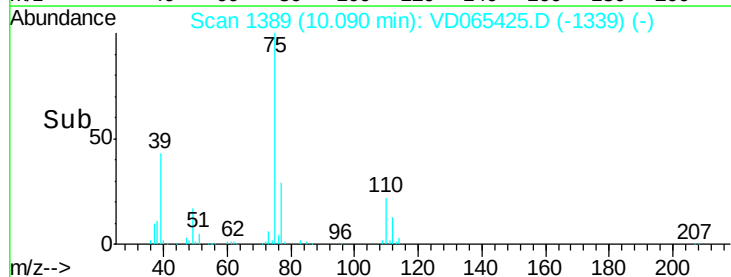
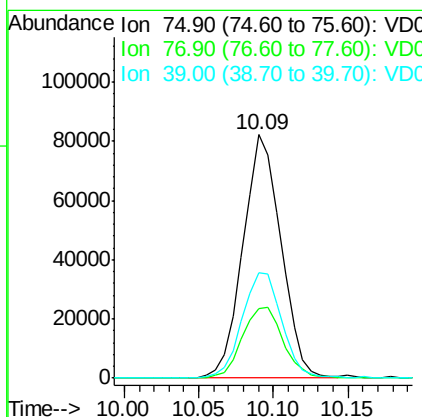
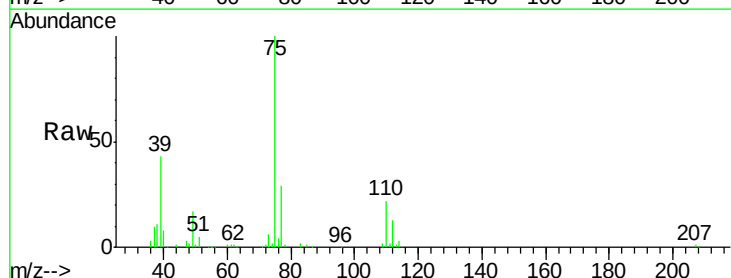
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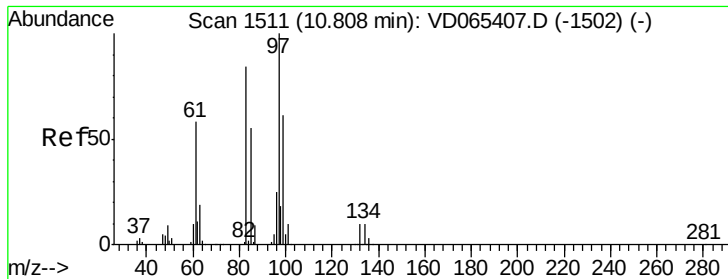
MMDadoda
3/6/2020 11:17:25 AM



#54
cis-1,3-Dichloropropene
Concen: 20.696 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.3	37.9
39	43.5	34.6	52.0





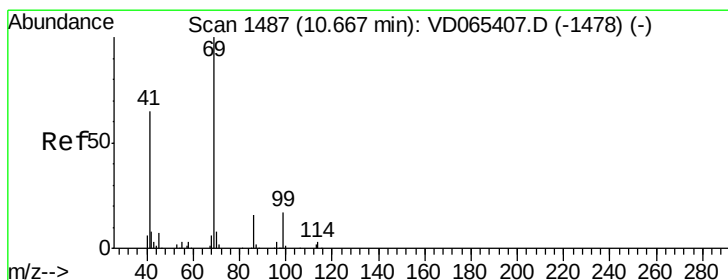
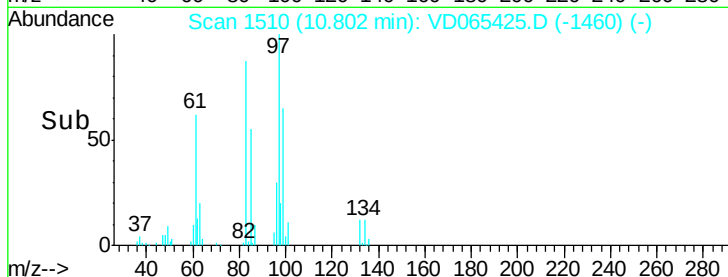
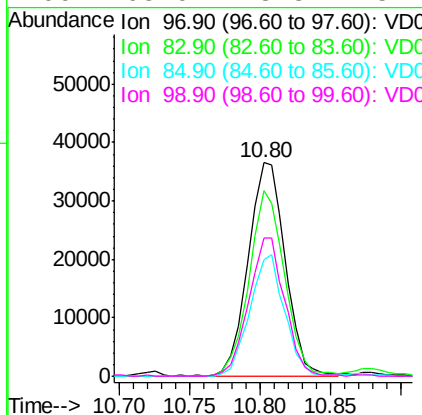
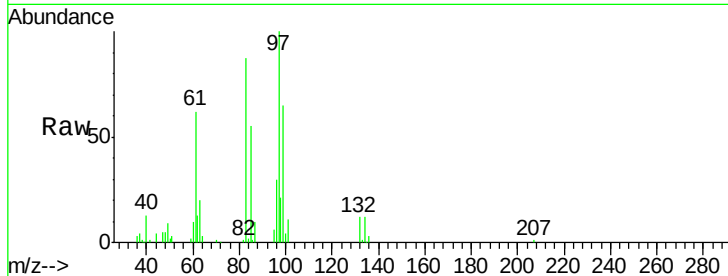
#55
 1,1,2-Trichloroethane
 Concen: 19.942 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.4	101.0
85	54.5	43.8	65.8
99	65.0	48.8	73.2

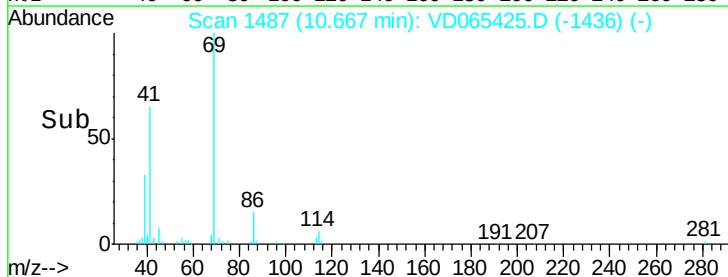
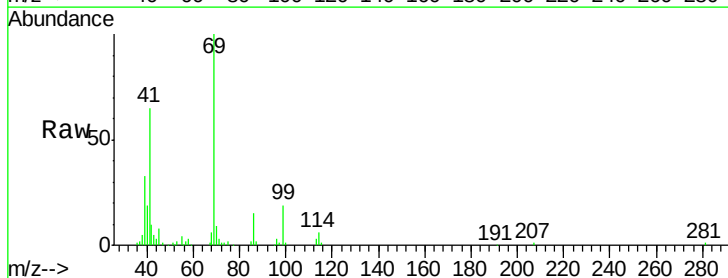
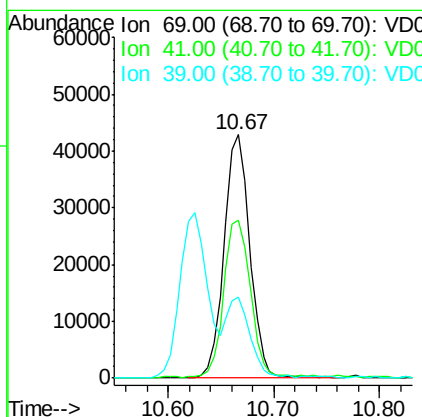
Manual Integrations
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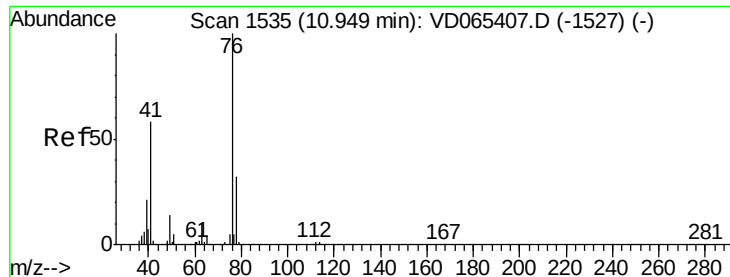
MMDadoda
 3/6/2020 11:17:25 AM



#56
 Ethyl methacrylate
 Concen: 18.970 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.0	53.0	79.6
39	30.2	26.0	39.0





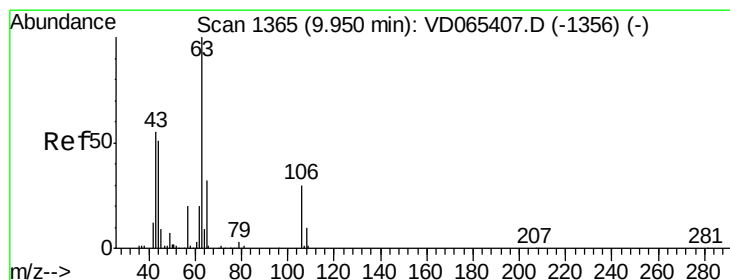
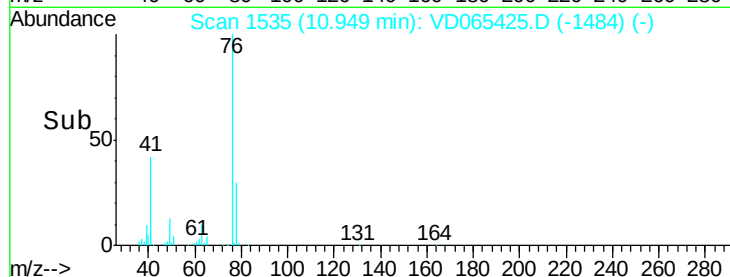
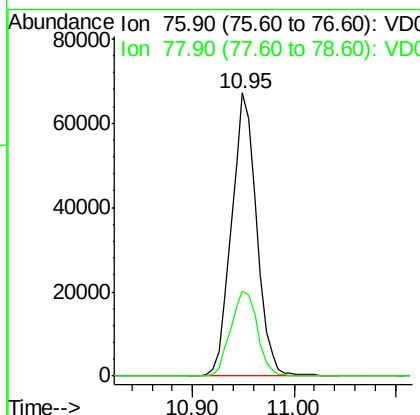
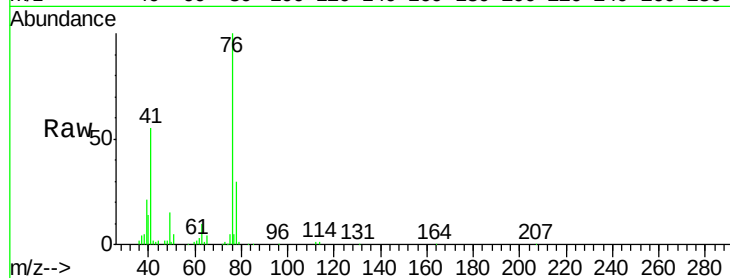
#57
 1,3-Dichloropropane
 Concen: 20.126 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

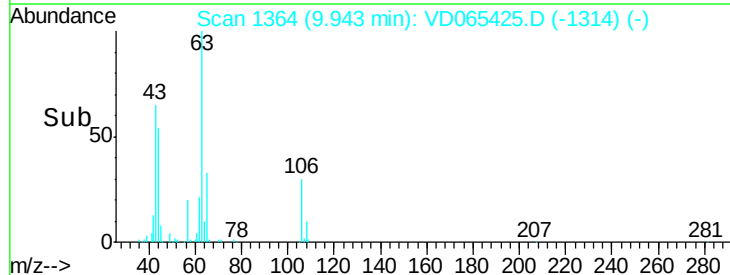
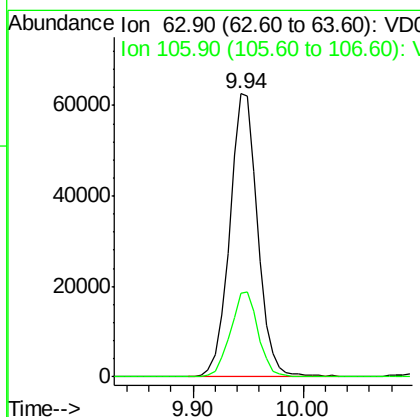
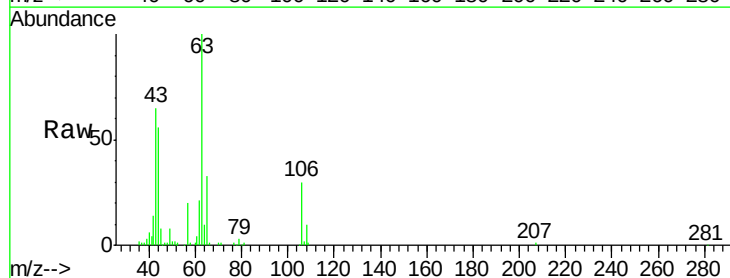
Manual Integrations
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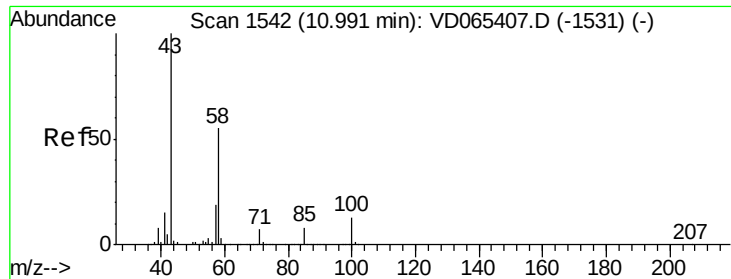
MMDadoda
 3/6/2020 11:17:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.697 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.3	34.9





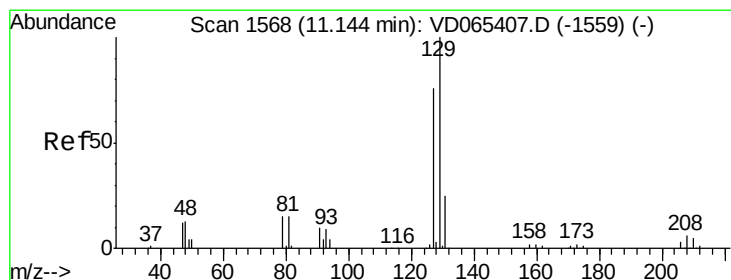
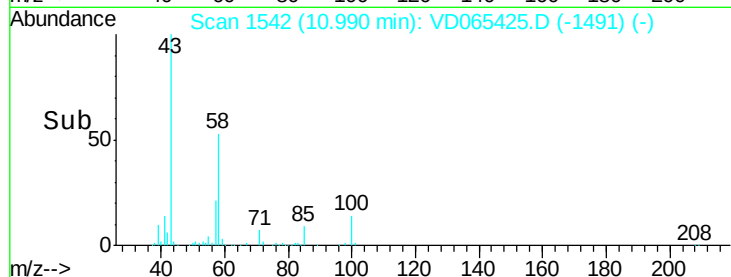
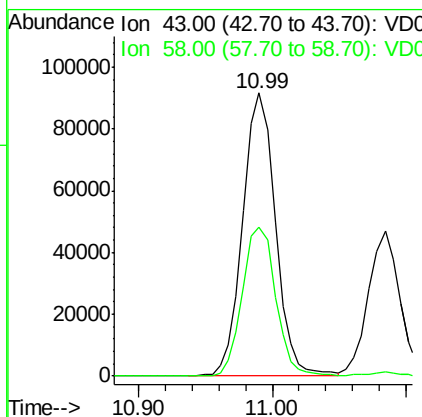
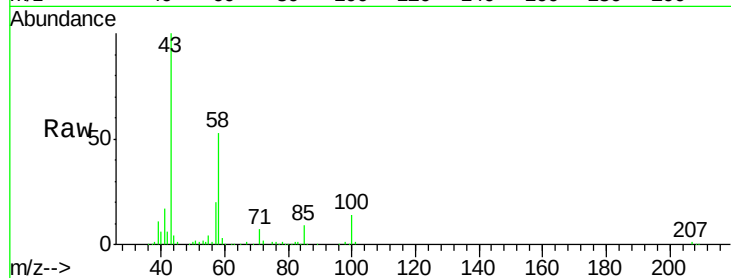
#59
2-Hexanone
Concen: 91.971 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 43 Resp: 155559
Ion Ratio Lower Upper
43 100
58 53.6 27.4 82.2

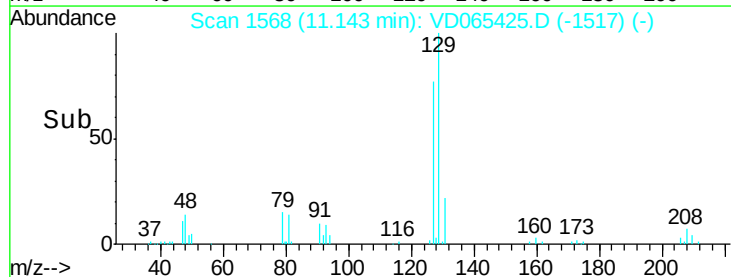
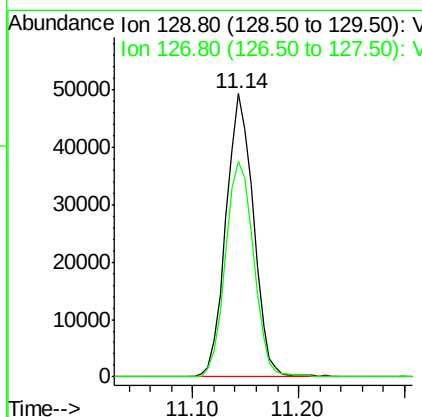
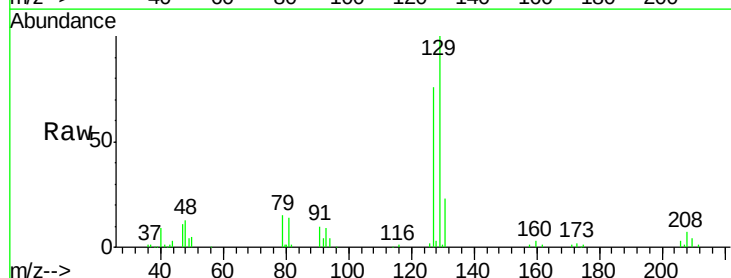
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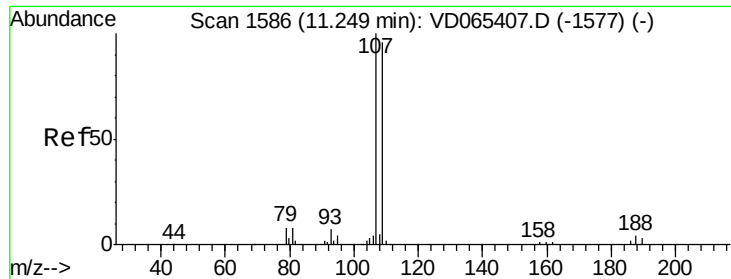
MMDadoda
3/6/2020 11:17:25 AM



#60
Dibromochloromethane
Concen: 20.437 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 129 Resp: 88680
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





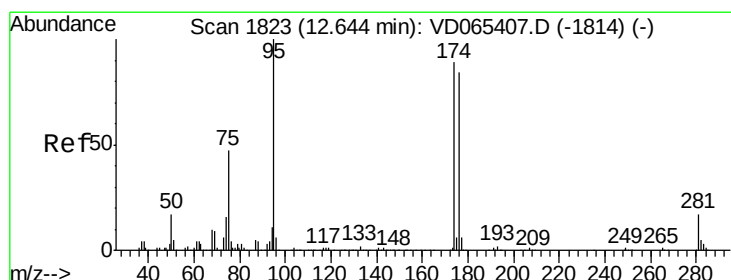
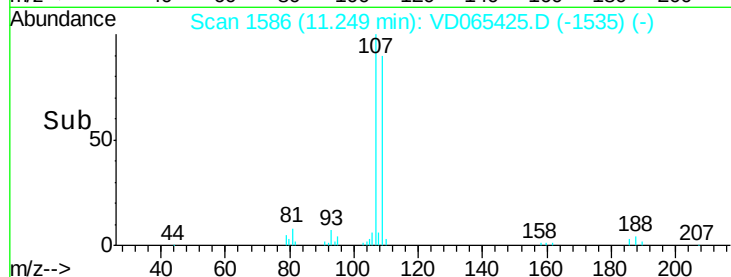
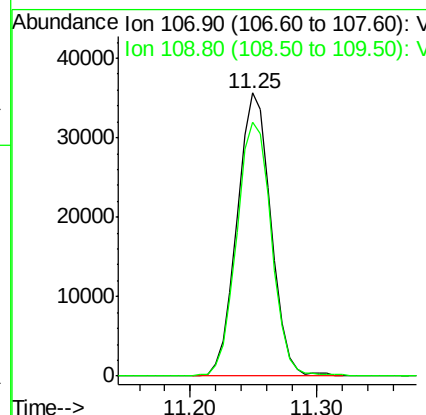
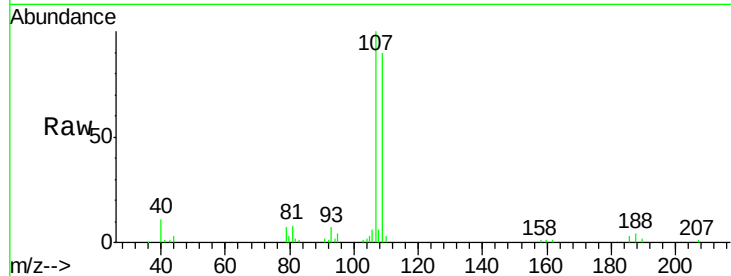
#61
1,2-Dibromoethane
Concen: 20.279 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	76.8	115.2

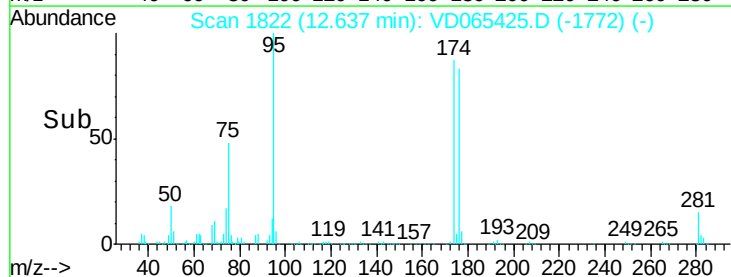
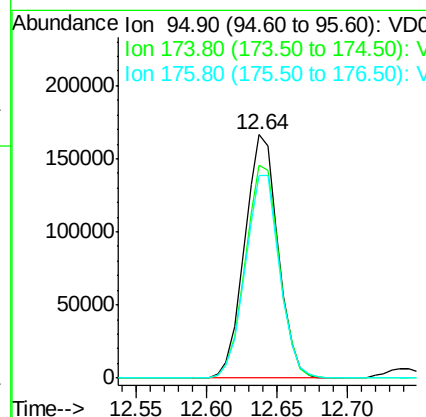
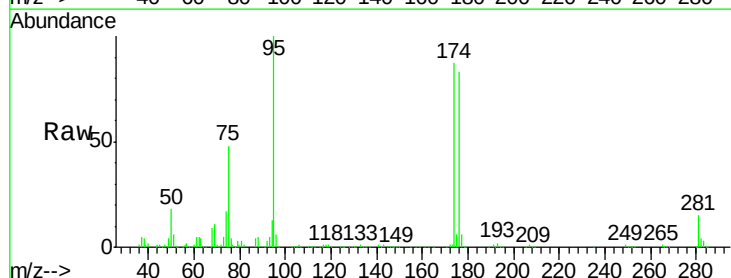
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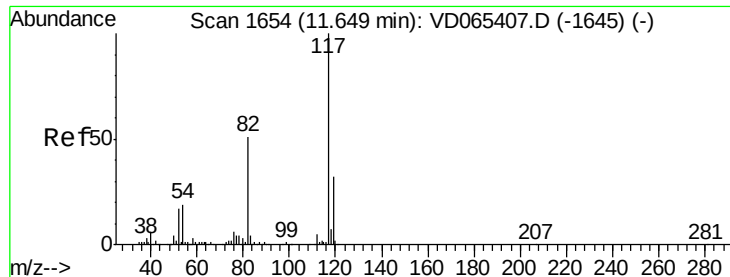
MMDadoda
3/6/2020 11:17:25 AM



#62
4-Bromofluorobenzene
Concen: 53.134 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	176.8
176	85.2	0.0	171.4





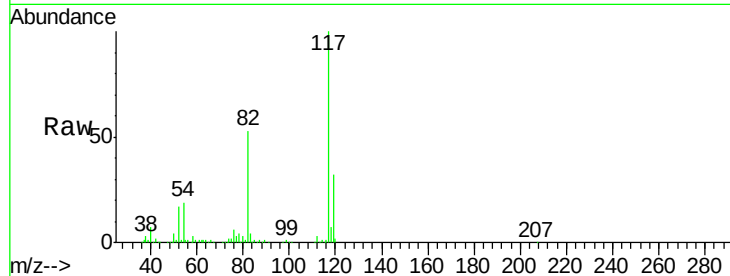
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	40.6	60.8
119	31.7	25.4	38.2

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3/6/2020 11:17:25 AM

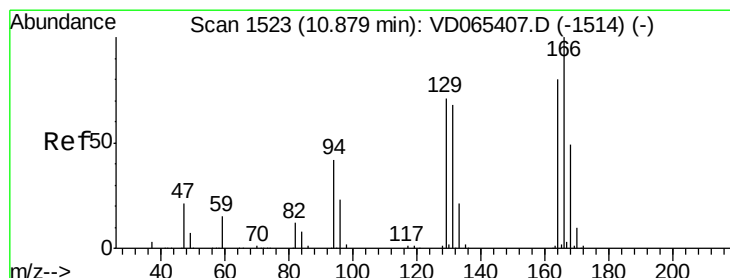
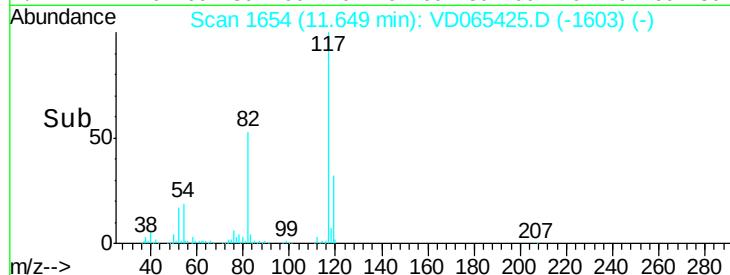
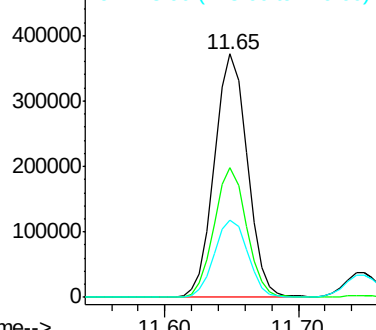


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.384 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	100.5	150.7
129	83.1	71.5	107.3
131	88.3	68.5	102.7

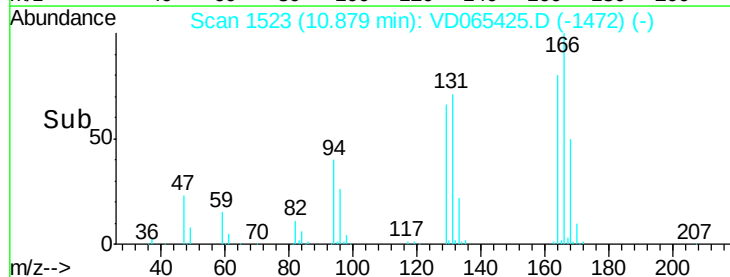
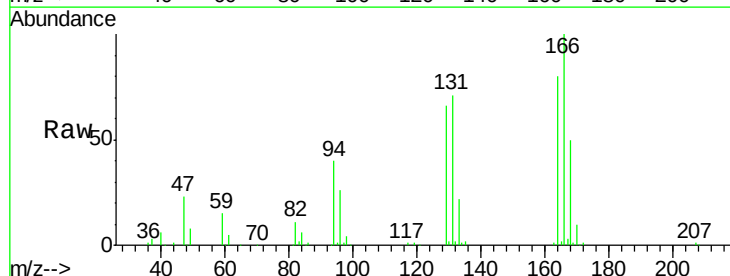
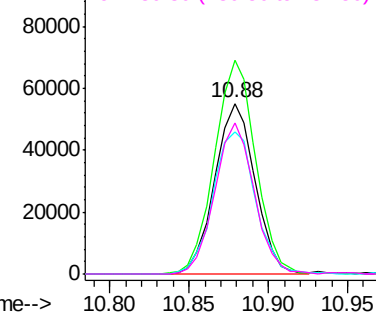
Abundance

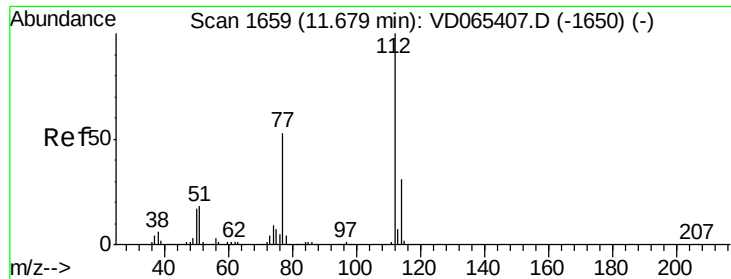
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





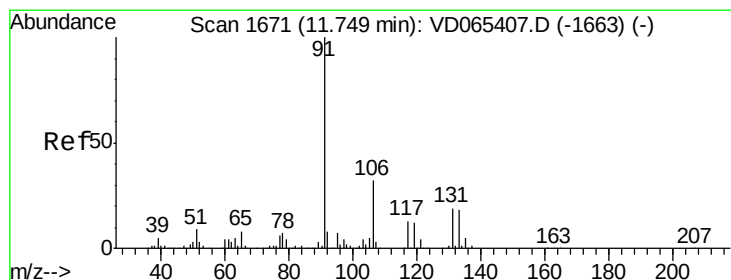
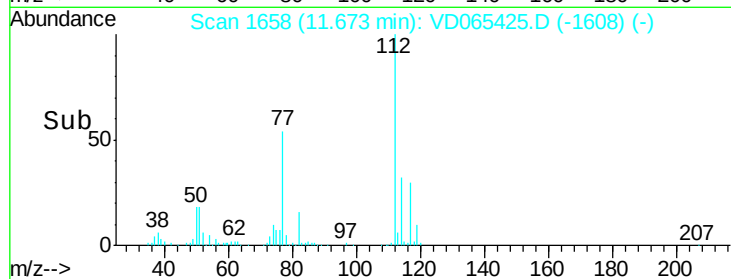
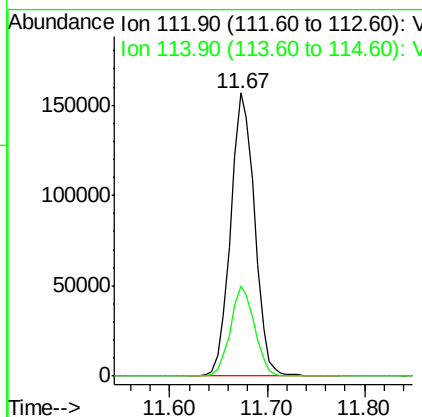
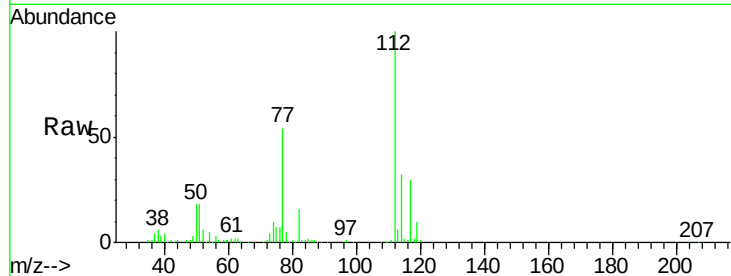
#65
Chlorobenzene
Concen: 21.255 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	24.4	36.6

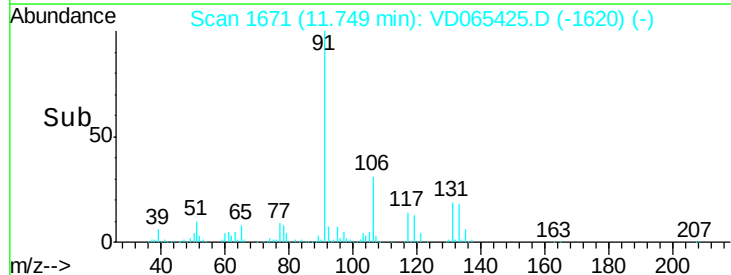
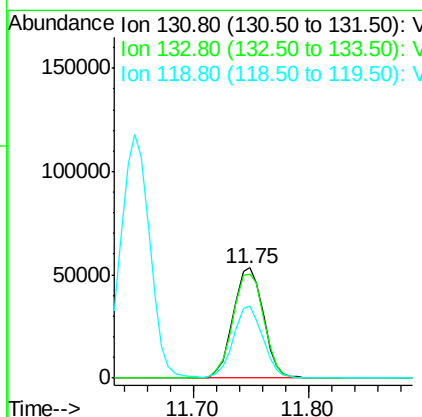
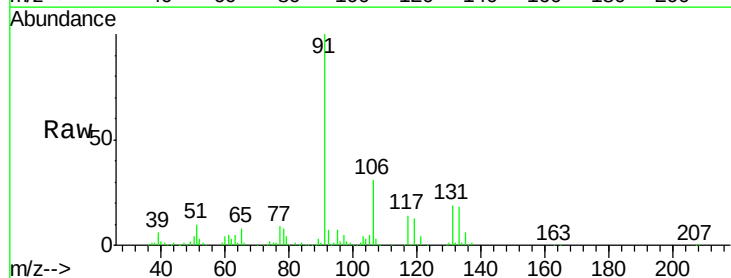
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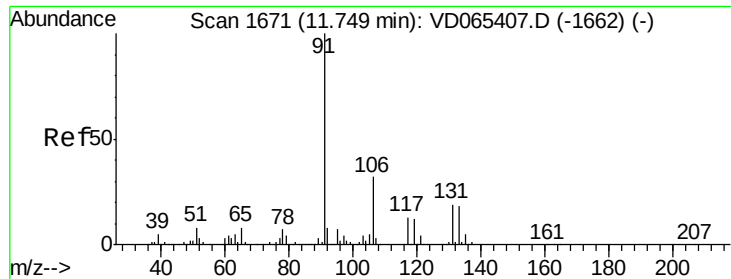
MMDadoda
3/6/2020 11:17:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.286 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	49.2	147.6
119	63.7	33.3	99.8





#67

Ethyl Benzene

Concen: 21.296 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 91 Resp: 461651

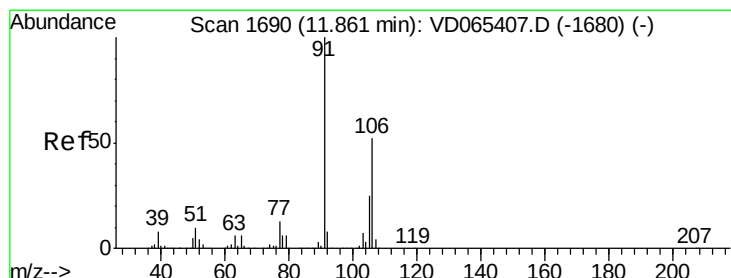
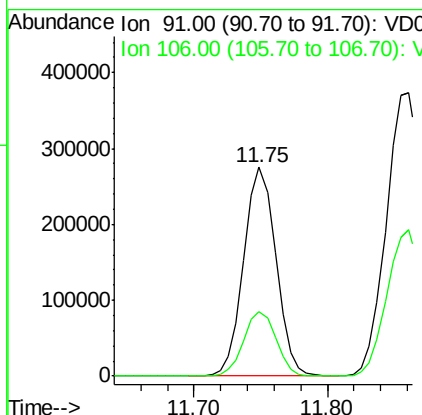
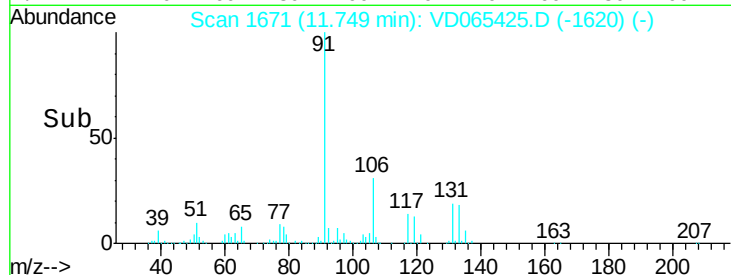
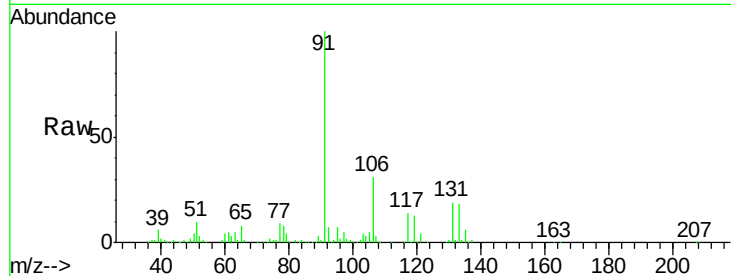
Ion Ratio Lower Upper

91 100

106 30.9 25.2 37.8

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#68

m/p-Xylenes

Concen: 43.834 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065425.D

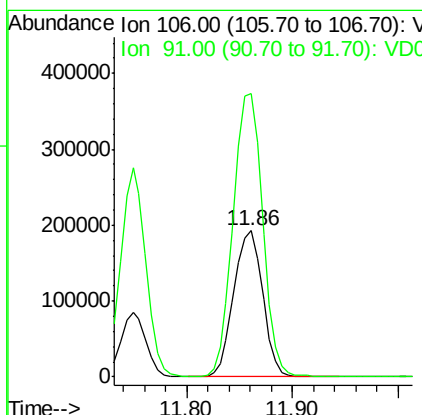
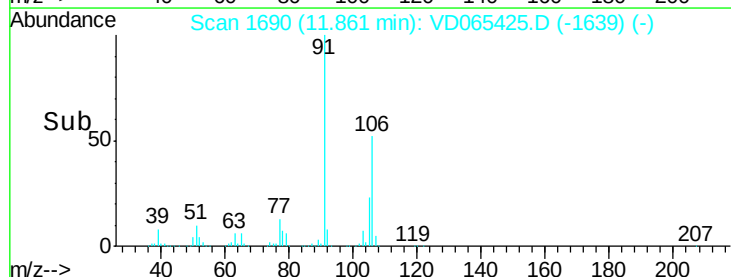
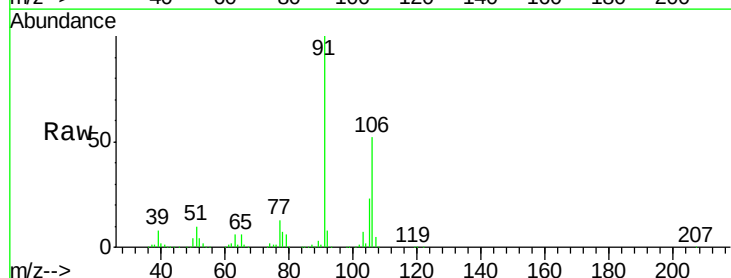
Acq: 05 Mar 2020 12:23

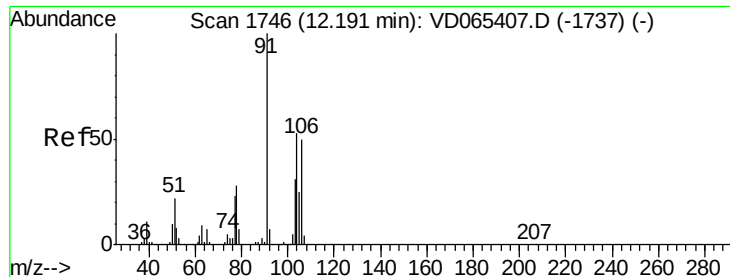
Tgt Ion: 106 Resp: 366386

Ion Ratio Lower Upper

106 100

91 197.6 155.9 233.9





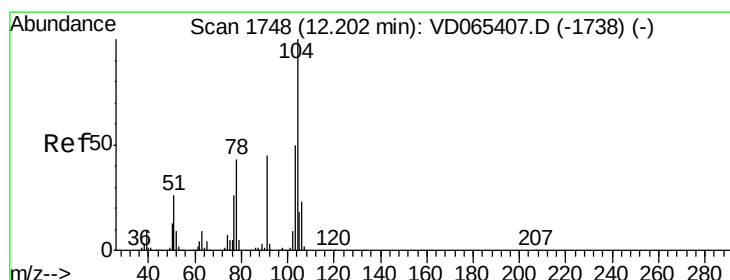
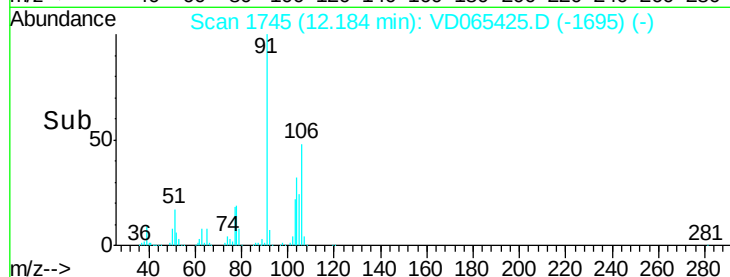
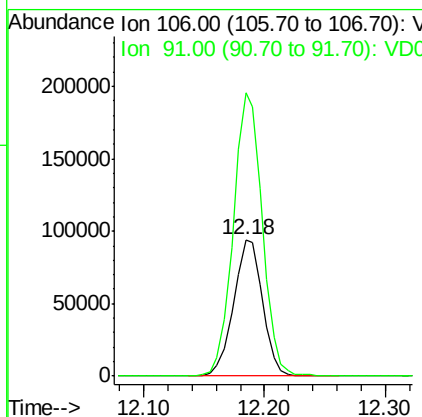
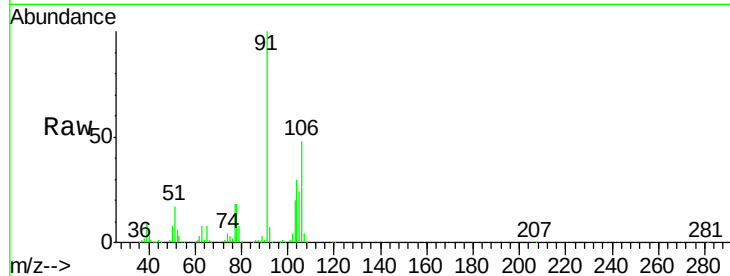
#69
o-Xylene
Concen: 21.444 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	157665		
91	91	206.7	103.5	310.3	

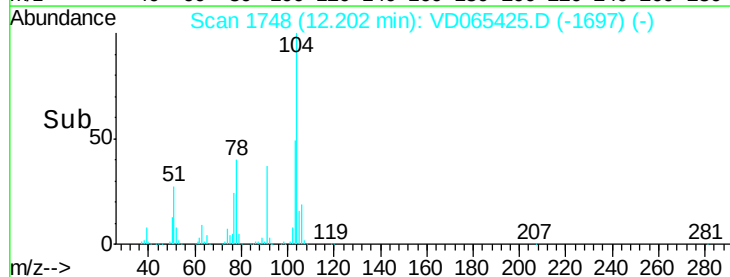
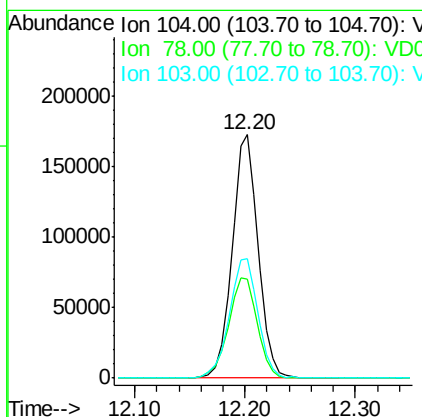
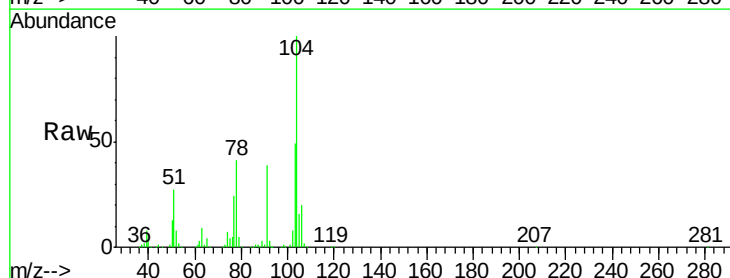
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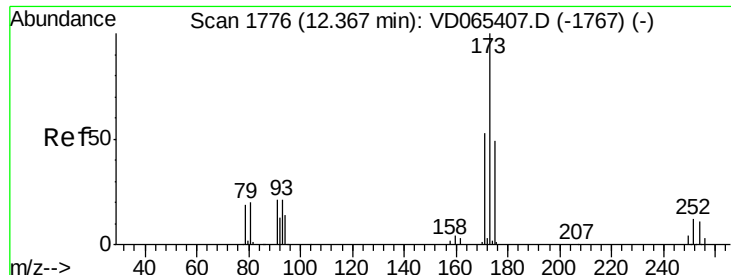
MMDadoda
3/6/2020 11:17:25 AM



#70
Styrene
Concen: 21.958 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	284141		
78	78	45.9	37.7	56.5	
103	103	54.0	43.6	65.4	





#71

Bromoform

Concen: 19.917 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

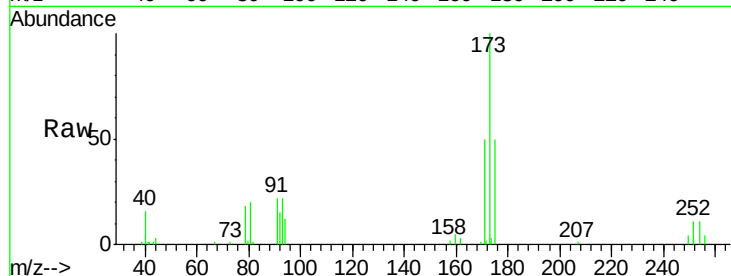
ClientSampleId :

VD0305SBS01

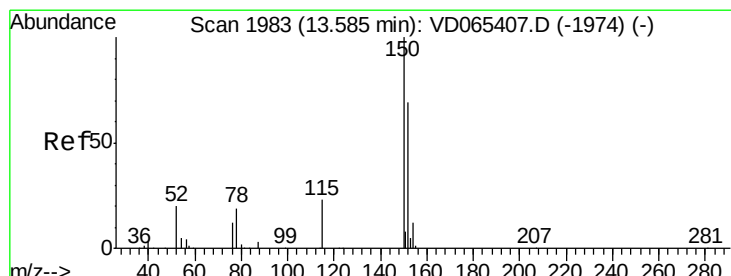
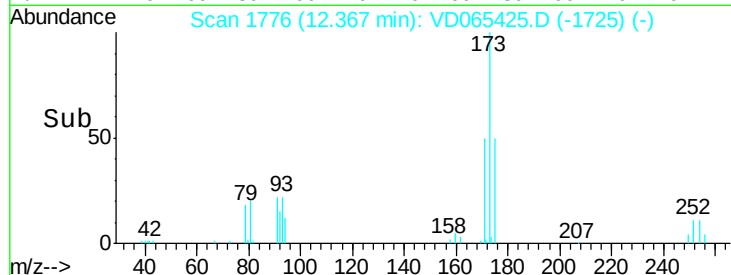
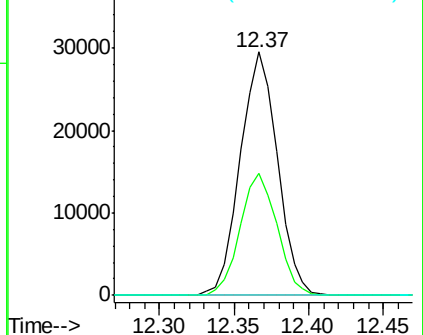
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	73.0
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

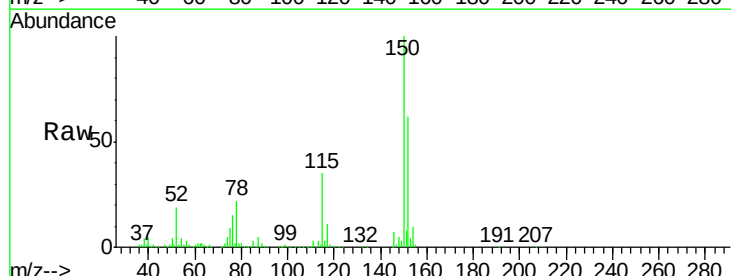
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

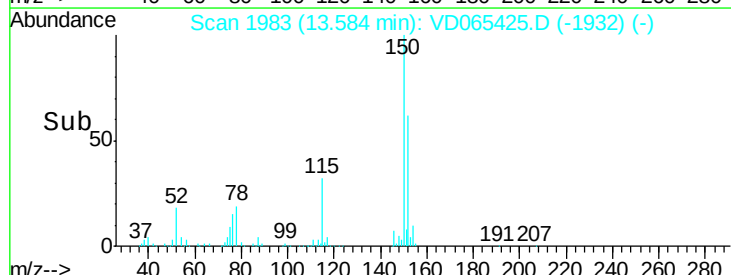
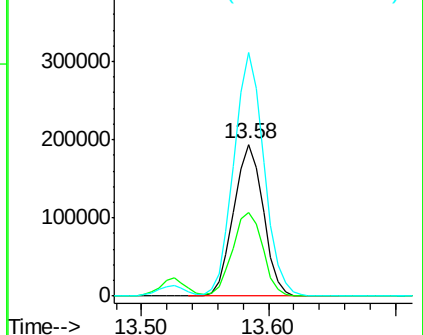
Lab File: VD065425.D

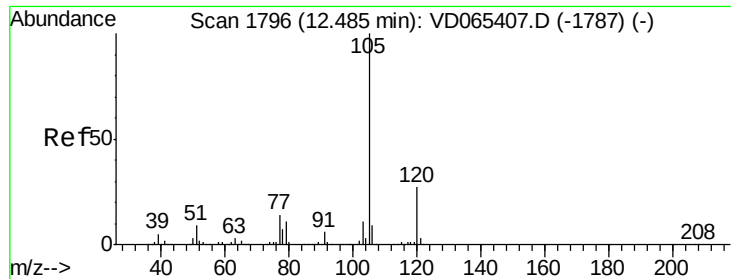
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.6	82.8
150	162.8	0.0	345.0



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





#73

Isopropylbenzene

Concen: 21.188 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:105 Resp: 437671

Ion Ratio Lower Upper

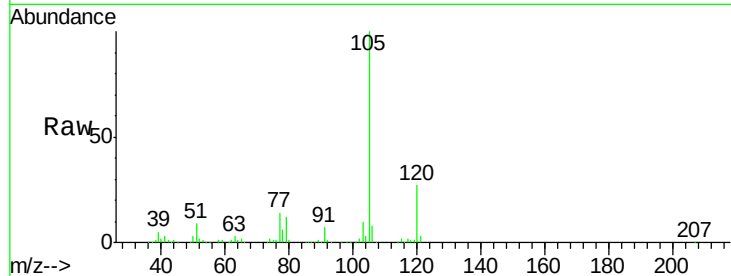
105 100

120 27.5 13.5 40.4

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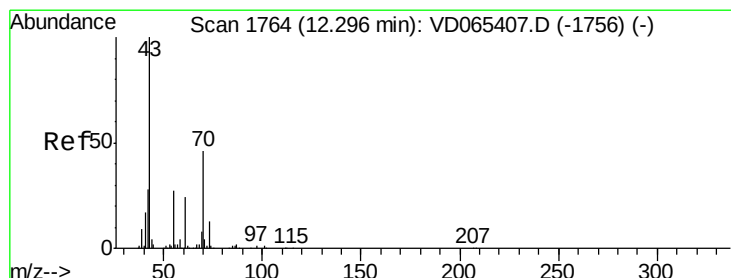
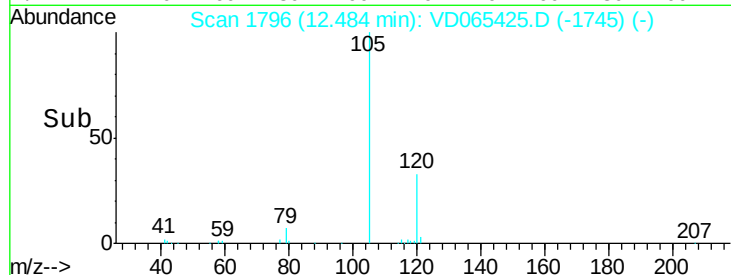
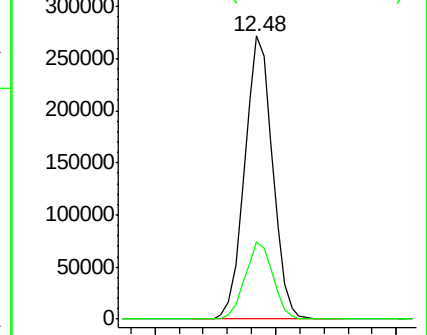
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.969 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion: 43 Resp: 80219

Ion Ratio Lower Upper

43 100

70 42.9 36.1 54.1

55 29.0 21.6 32.4

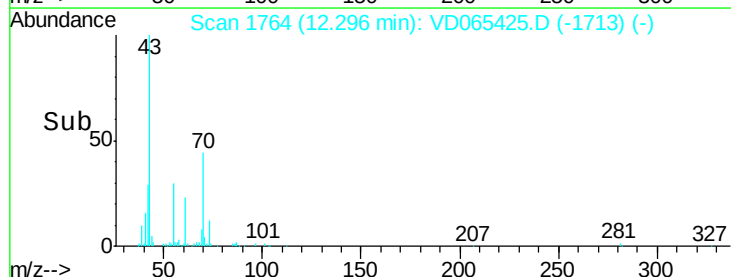
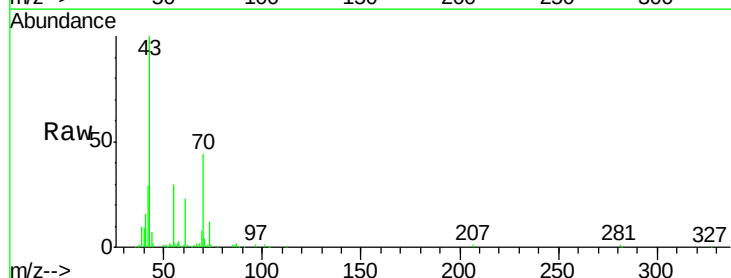
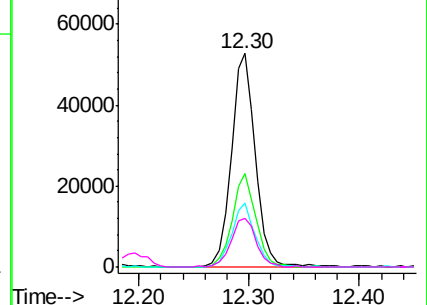
61 24.0 19.6 29.4

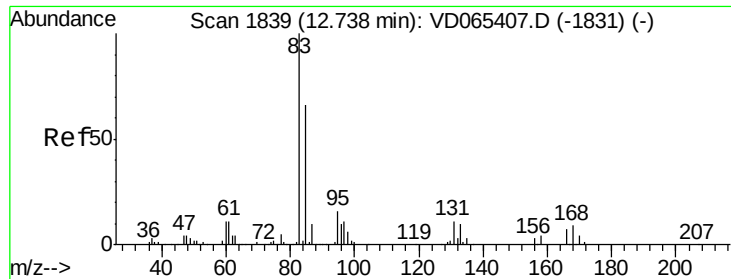
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.674 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

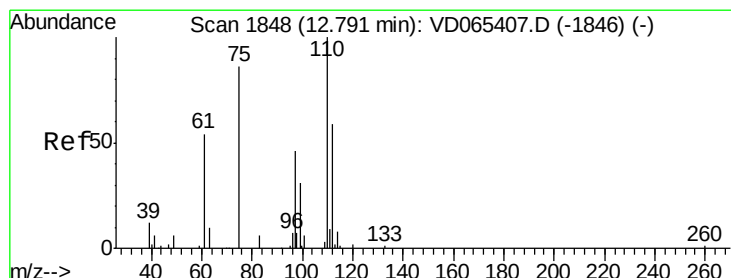
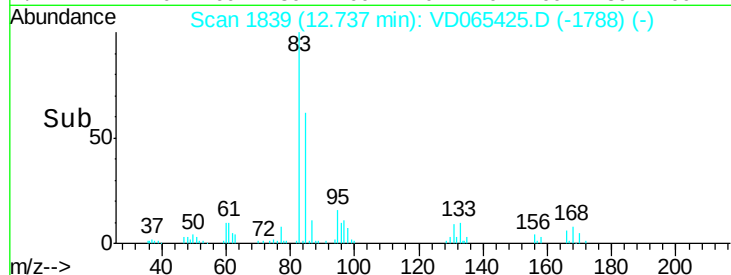
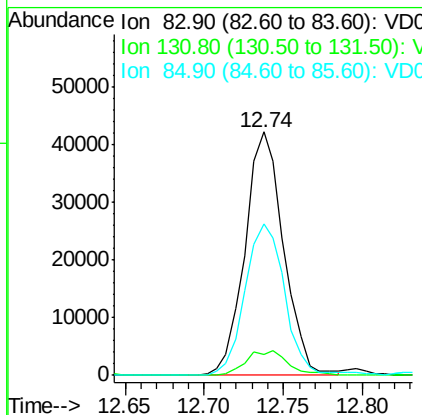
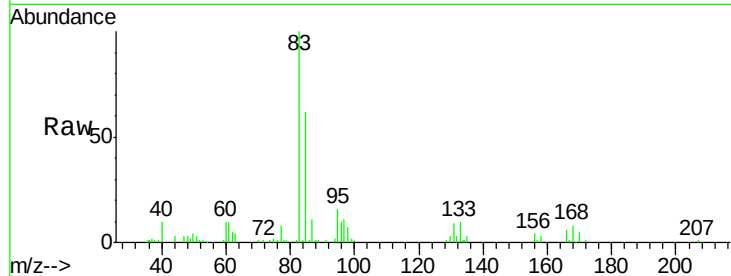
ClientSampleId :

VD0305SBS01

Tot Ion:	83	Resp:	71436
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	63.7	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 18.893 ug/l m

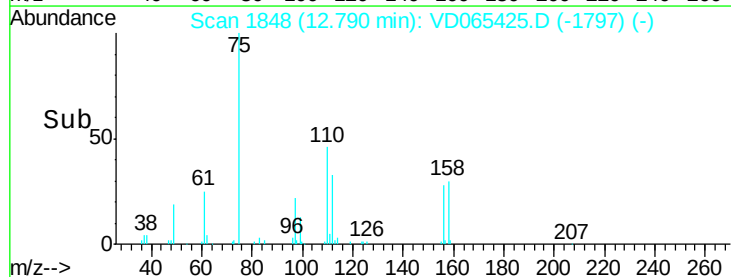
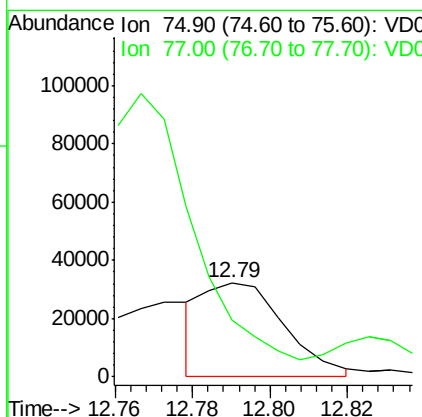
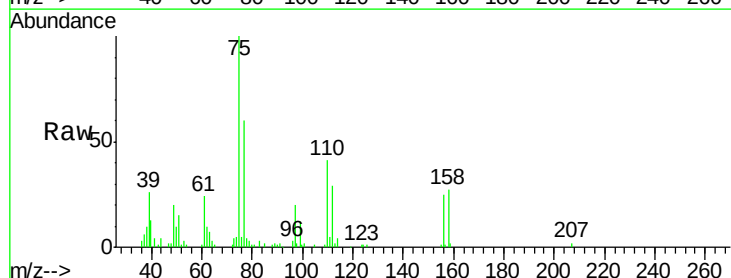
RT: 12.79 min Scan# 1848

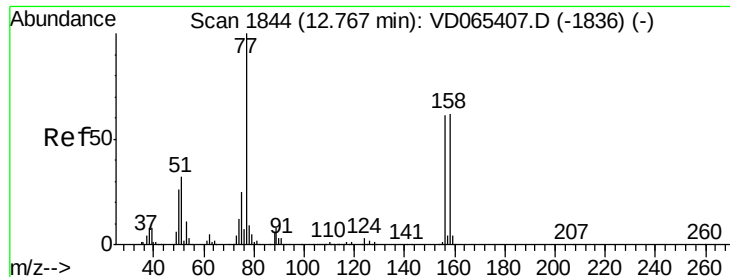
Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion:	75	Resp:	46820
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.383 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:156 Resp: 104610

Ion Ratio Lower Upper

156 100

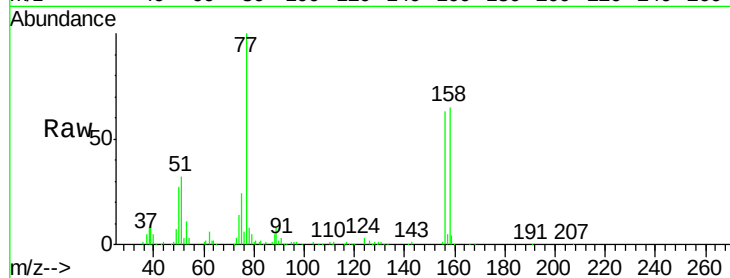
77 173.2 84.9 254.6

158 100.1 49.0 147.2

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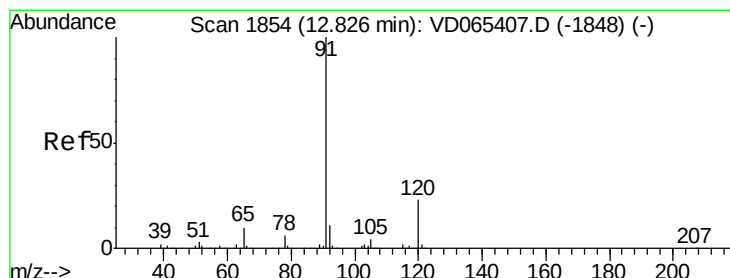
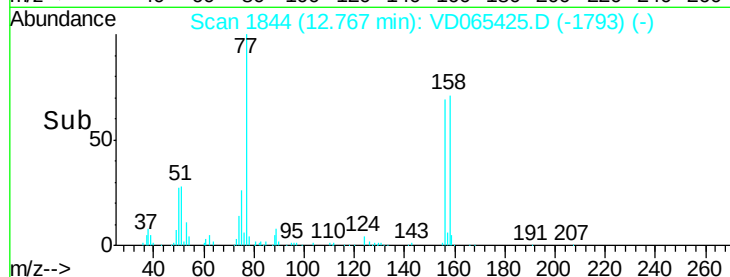
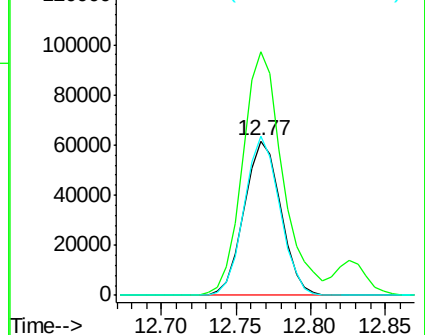
3/6/2020 11:17:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.646 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065425.D

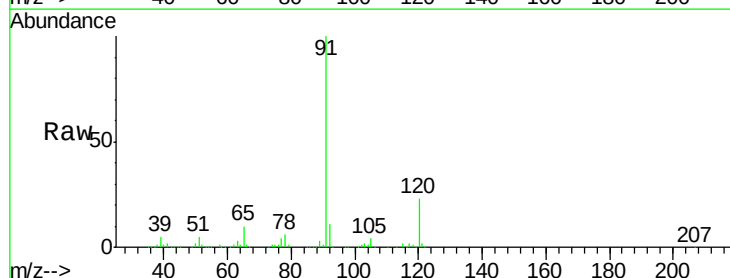
Acq: 05 Mar 2020 12:23

Tgt Ion: 91 Resp: 530524

Ion Ratio Lower Upper

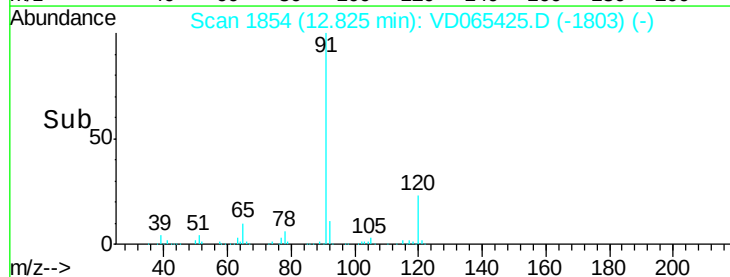
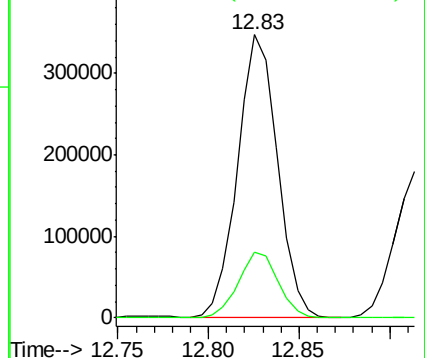
91 100

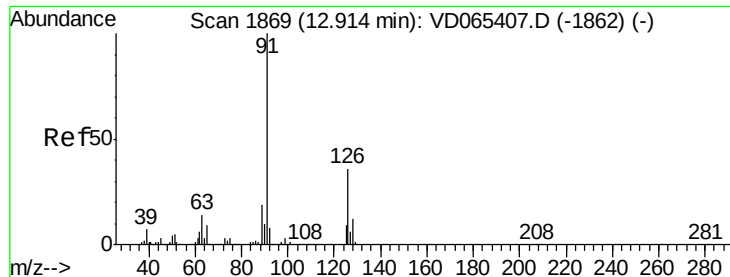
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.215 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 91 Resp: 293047

Ion Ratio Lower Upper

91 100

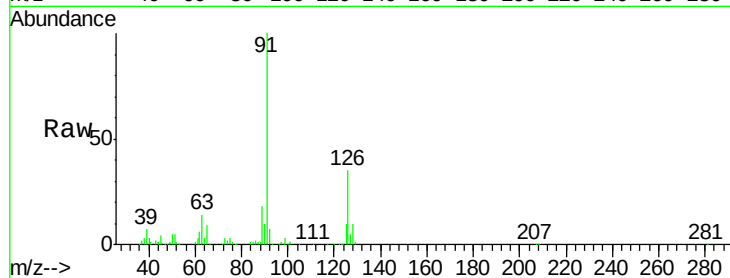
126 34.8 17.9 53.8

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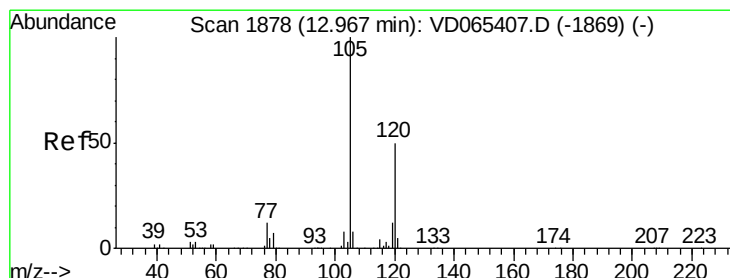
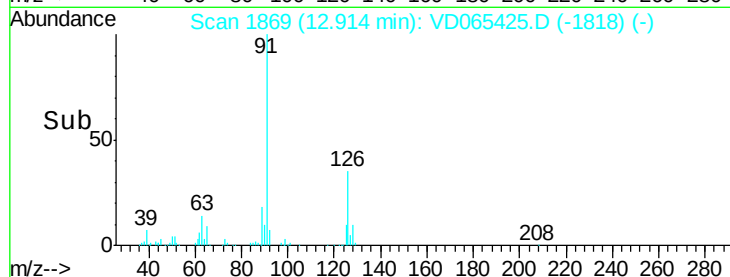
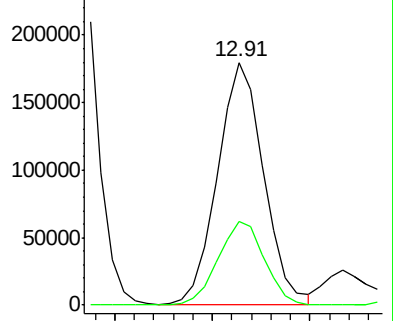
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3/6/2020 11:17:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.843 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065425.D

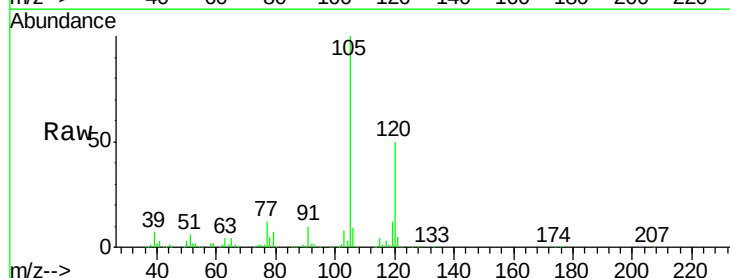
Acq: 05 Mar 2020 12:23

Tgt Ion:105 Resp: 370946

Ion Ratio Lower Upper

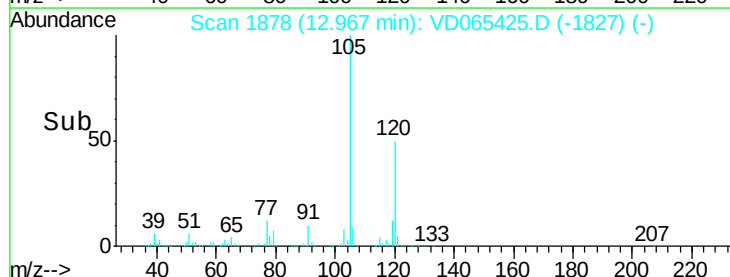
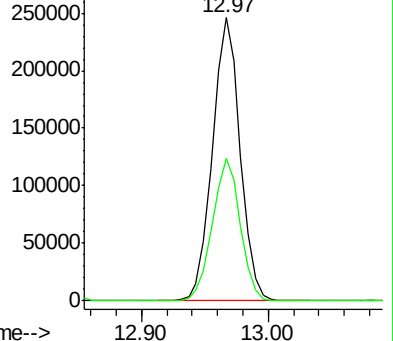
105 100

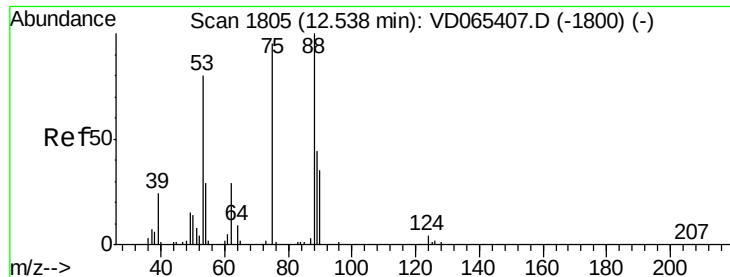
120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.844 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

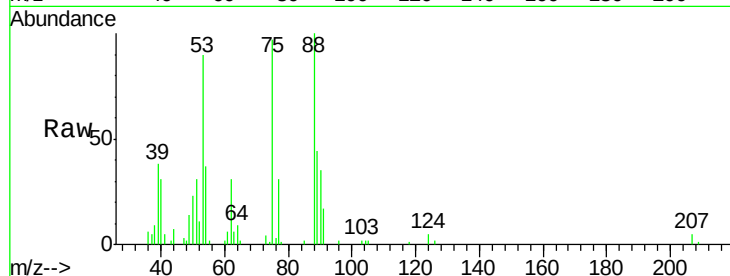
ClientSampleId :

VD0305SBS01

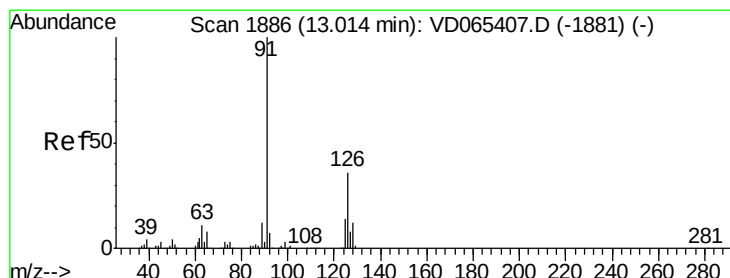
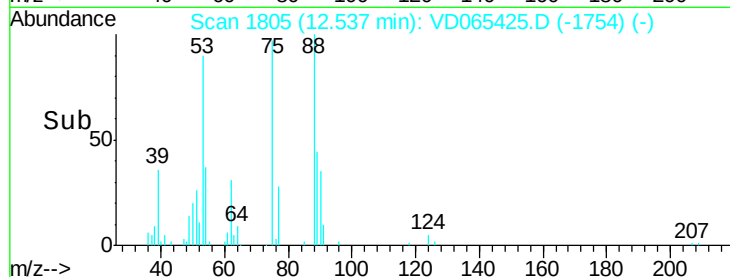
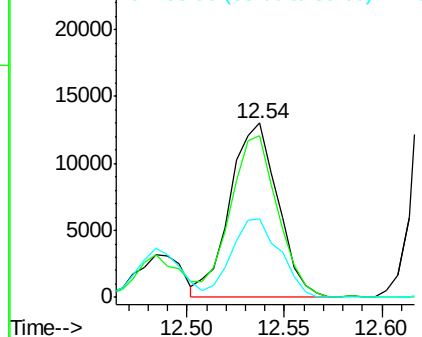
Tot Ion:	75	Resp:	22128
Ion	Ratio	Lower	Upper
75	100		
53	92.5	71.3	106.9
89	45.5	37.0	55.6

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.537 ug/l

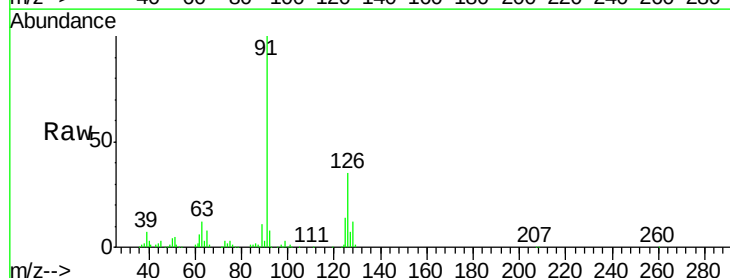
RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

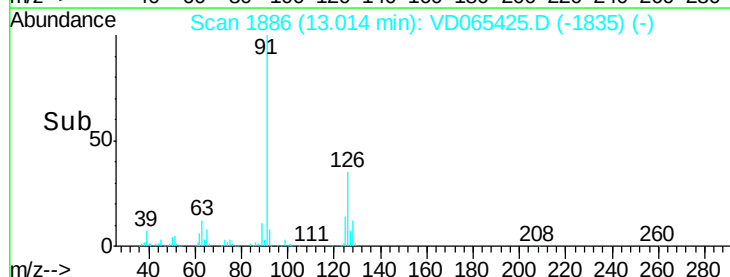
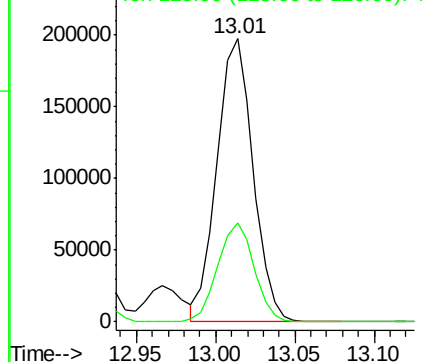
Lab File: VD065425.D

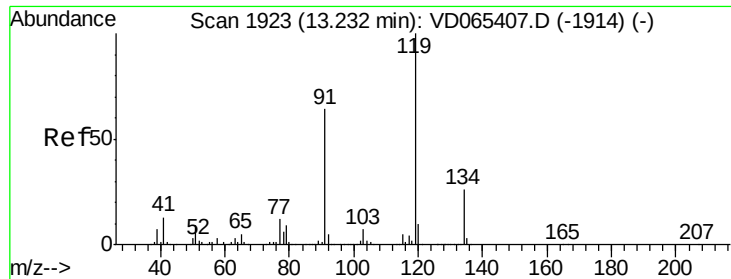
Acq: 05 Mar 2020 12:23

Tgt Ion:	91	Resp:	312609
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





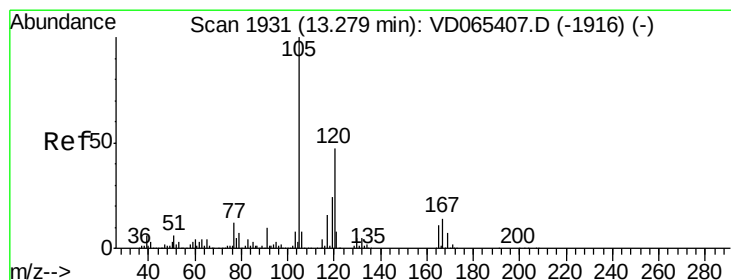
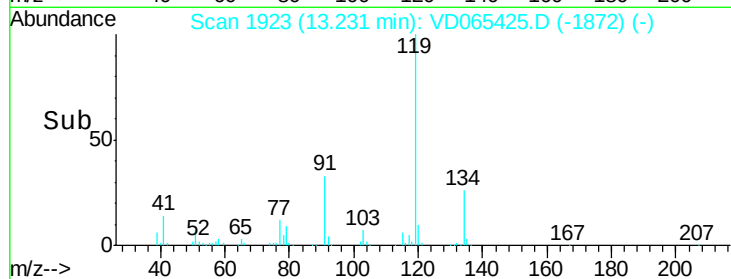
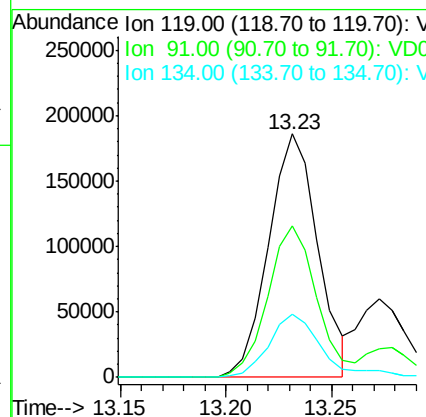
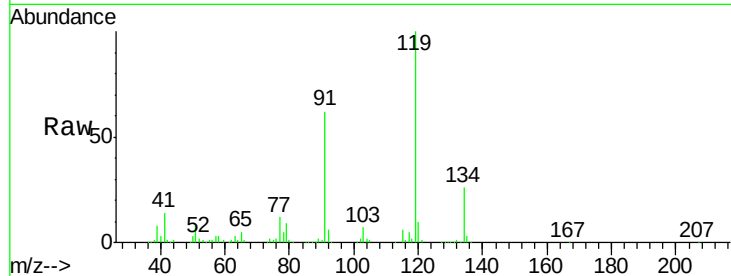
#83
tert-Butylbenzene
Concen: 20.986 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301510		
91	62.2		31.6	95.0
134	28.0		14.2	42.8

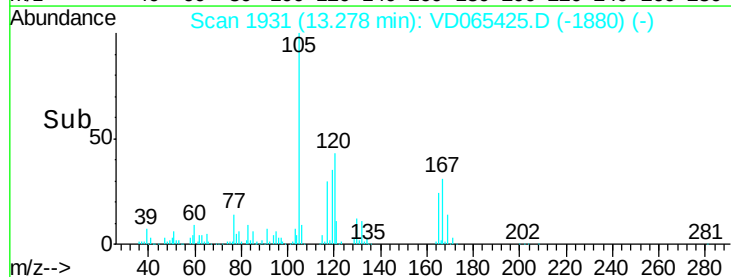
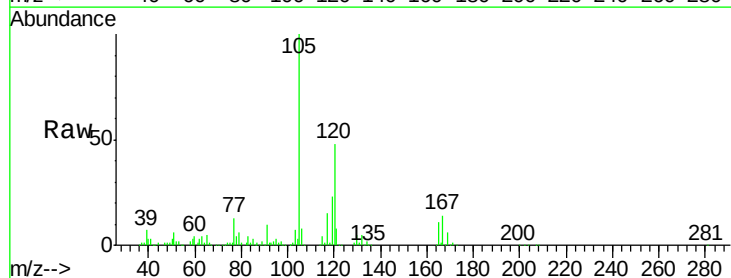
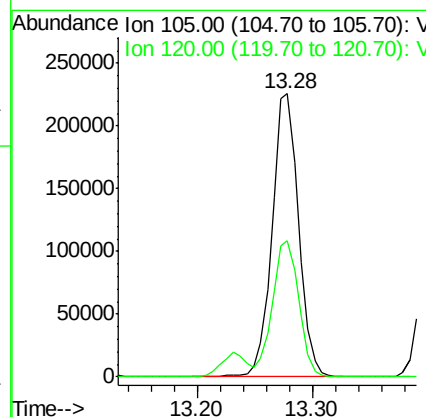
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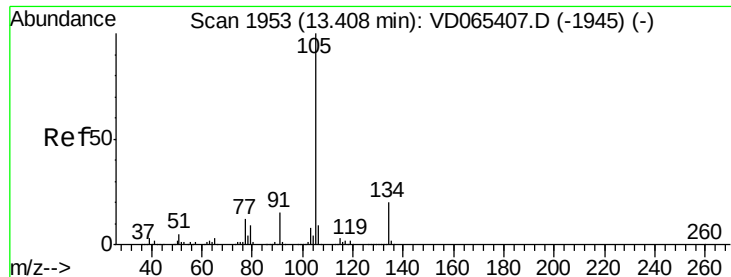
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3/6/2020 11:17:25 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.508 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360031		
120	48.0		23.4	70.3





#85

sec-Butylbenzene

Concen: 21.383 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:105 Resp: 438504

Ion Ratio Lower Upper

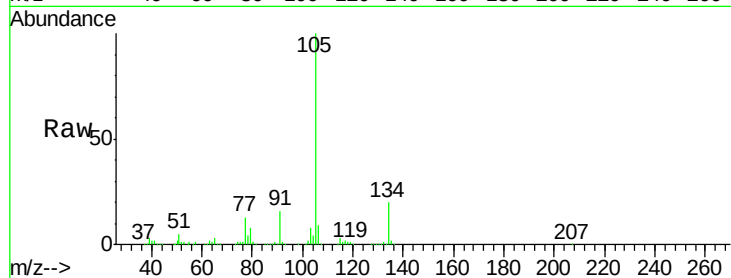
105 100

134 20.8 10.3 30.9

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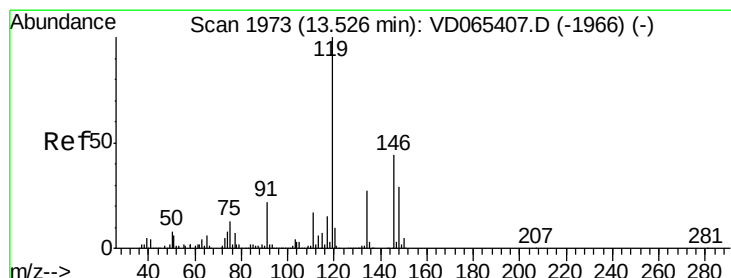
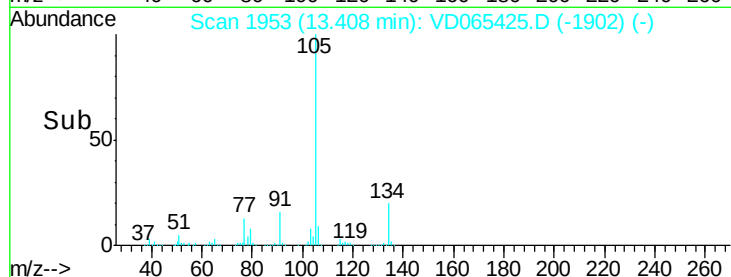
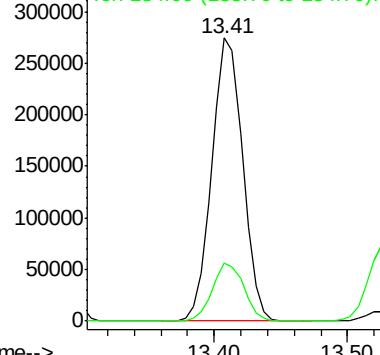
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.590 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

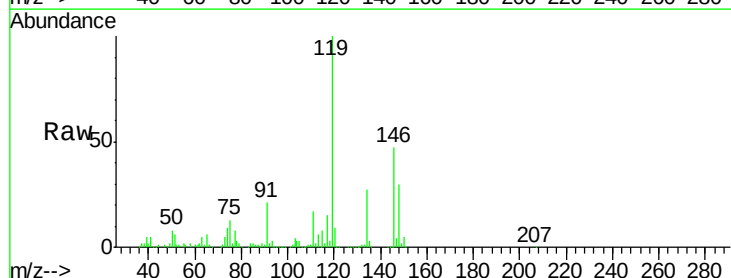
Tgt Ion:119 Resp: 404021

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

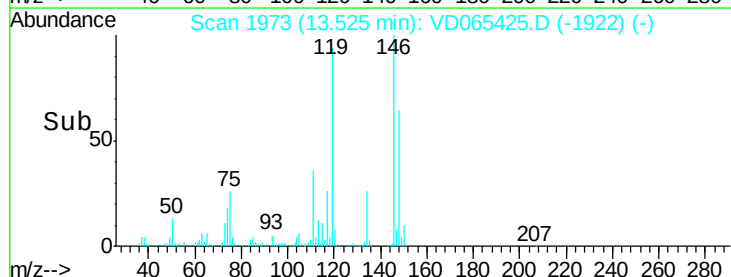
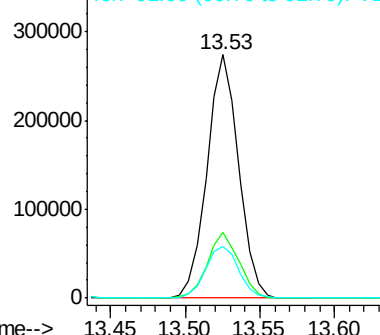
91 22.1 10.9 32.6

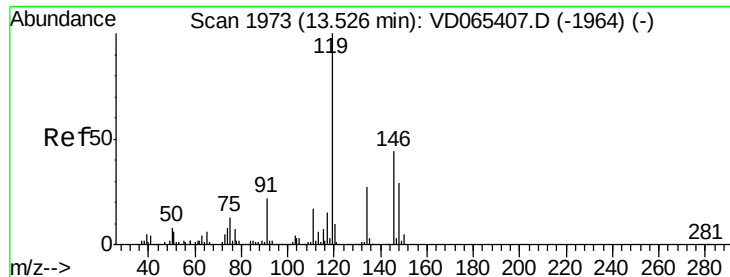


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.906 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

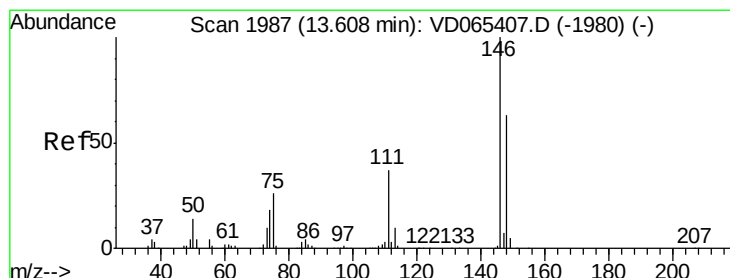
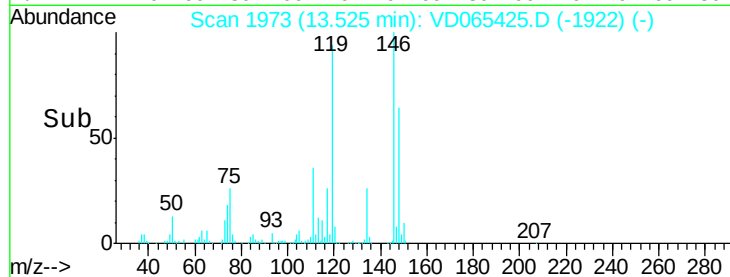
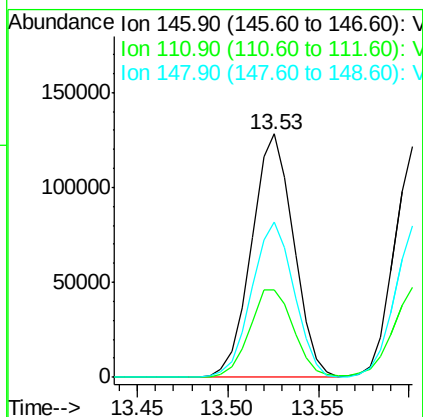
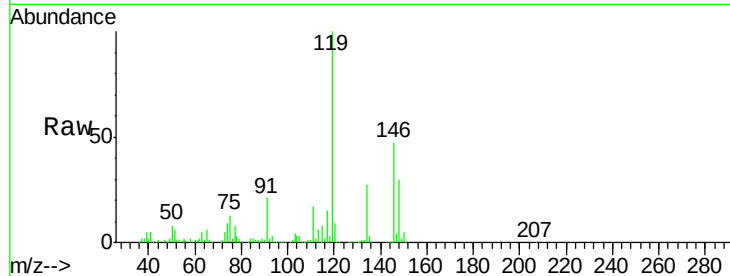
ClientSampleId :

VD0305SBS01

Tot Ion:	146	Resp:	206279
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.1
148	64.5	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 21.041 ug/l

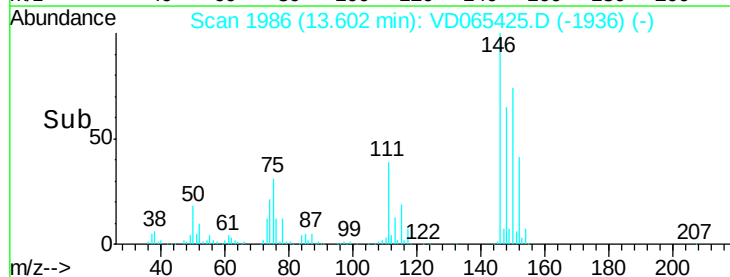
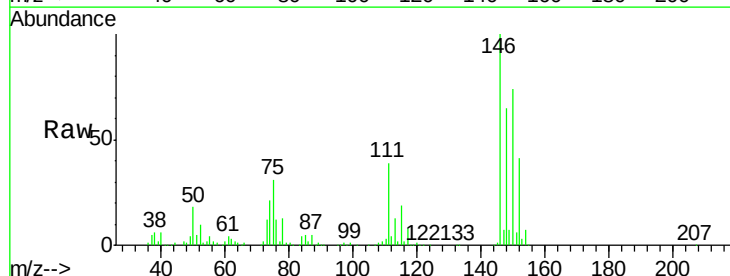
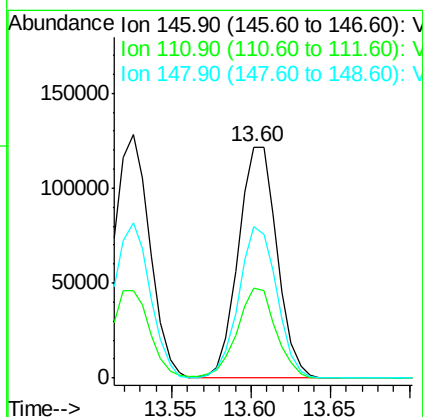
RT: 13.60 min Scan# 1986

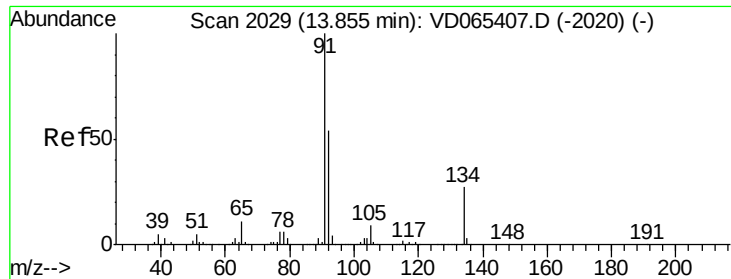
Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion:	146	Resp:	206520
Ion Ratio	Lower	Upper	
146	100		
111	39.3	18.5	55.5
148	64.6	32.0	96.0





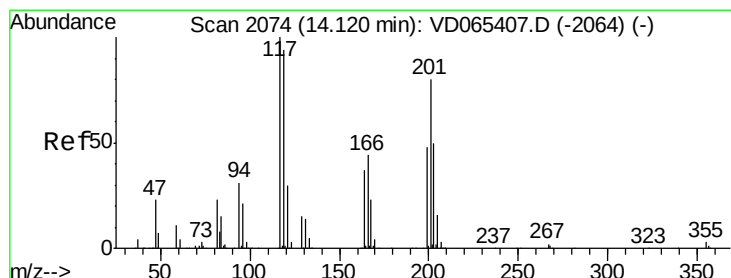
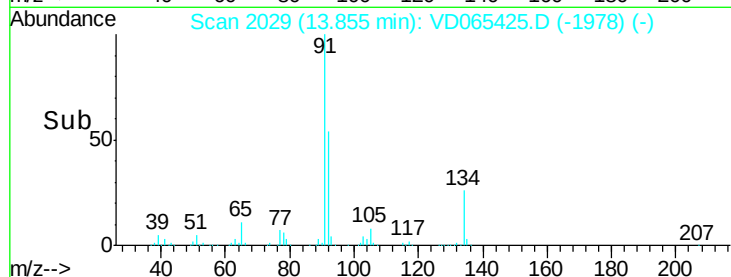
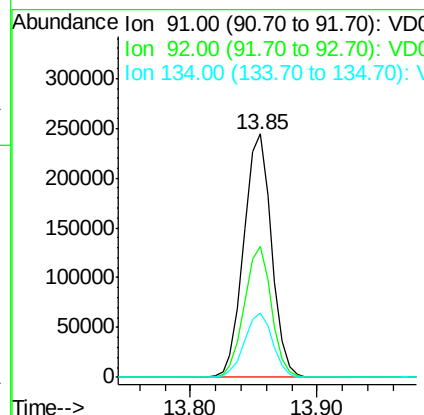
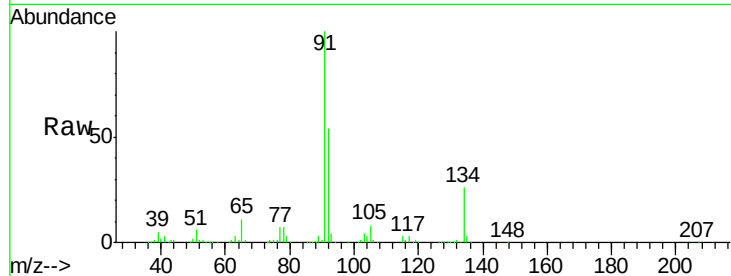
#89
n-Butylbenzene
Concen: 21.370 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.4
134	26.9	13.4	40.2

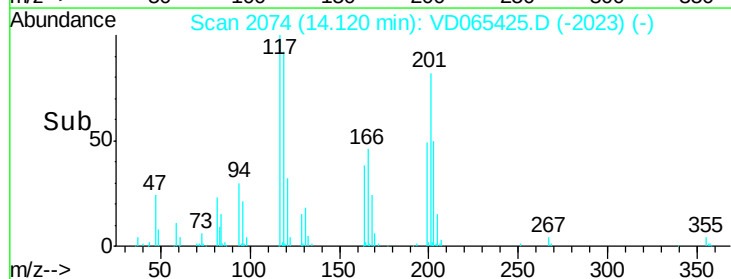
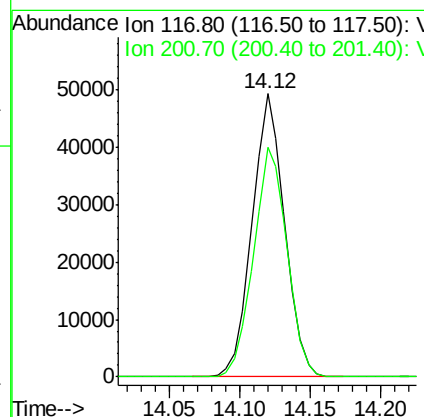
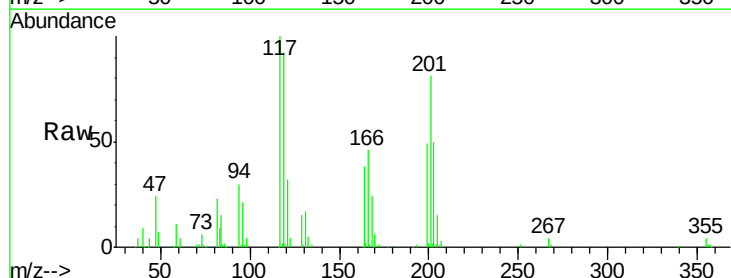
Manual Integrations
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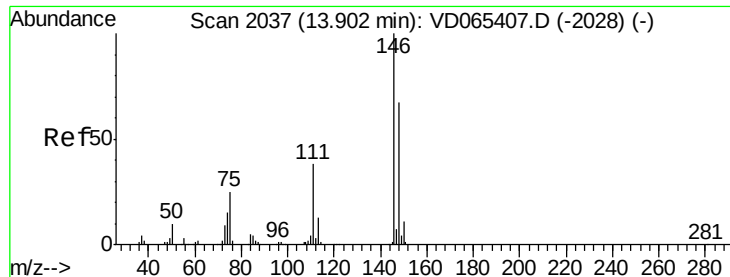
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#90
Hexachloroethane
Concen: 20.669 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	41.9	125.6





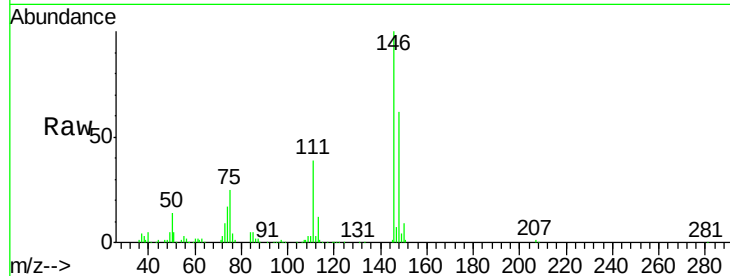
#91
 1,2-Dichlorobenzene
 Concen: 20.884 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

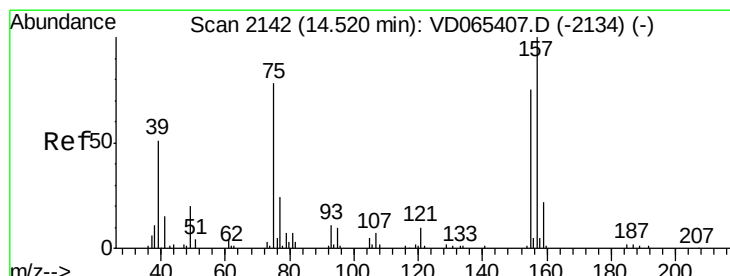
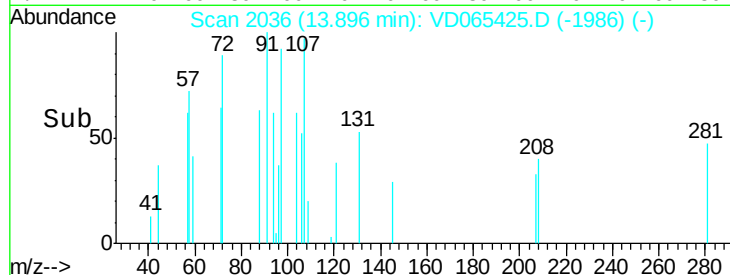
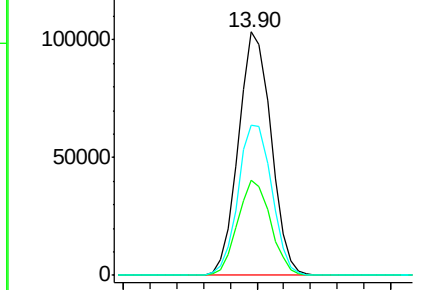
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.8	32.6	97.8

Manual Integrations
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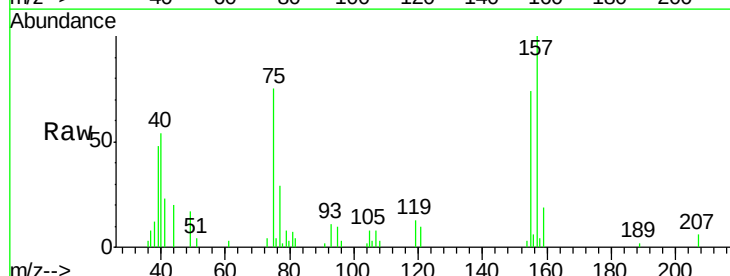


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

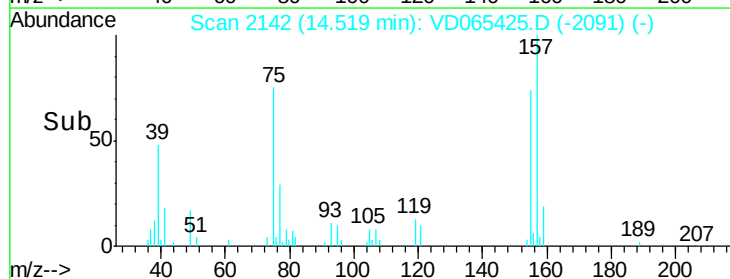
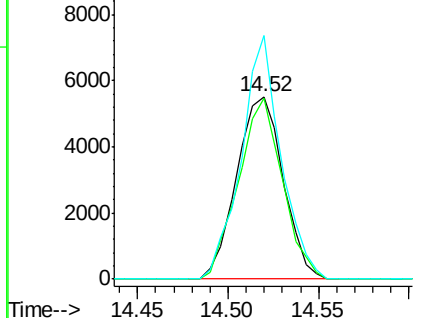


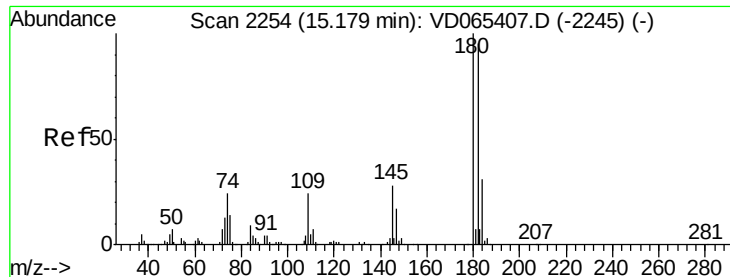
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.766 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	46.4	139.1
157	113.6	60.2	180.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.373 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

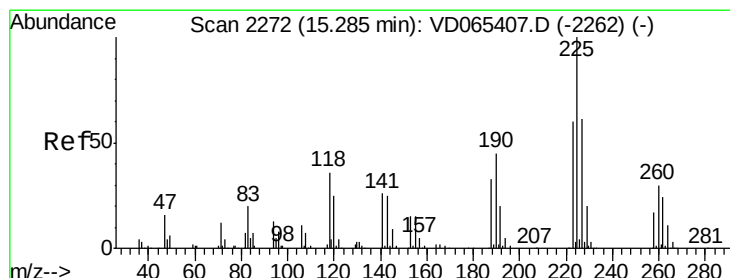
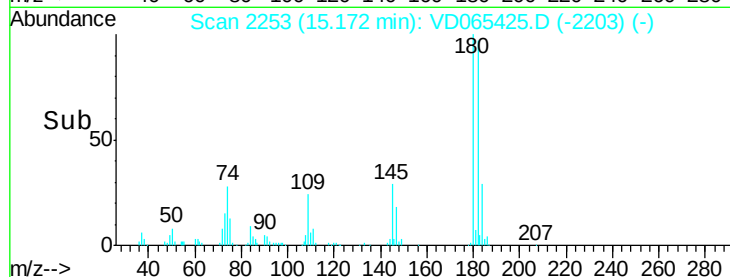
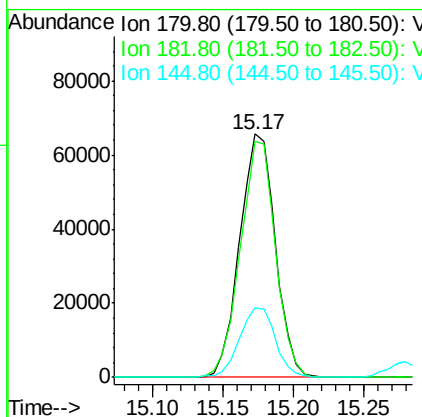
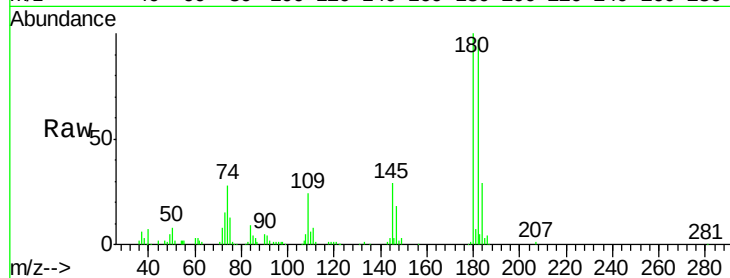
ClientSampleId :

VD0305SBS01

Tot Ion:	180	Resp:	115945
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.3	144.9
145	28.7	14.4	43.4

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:17:25 AM



#94

Hexachlorobutadiene

Concen: 20.602 ug/l

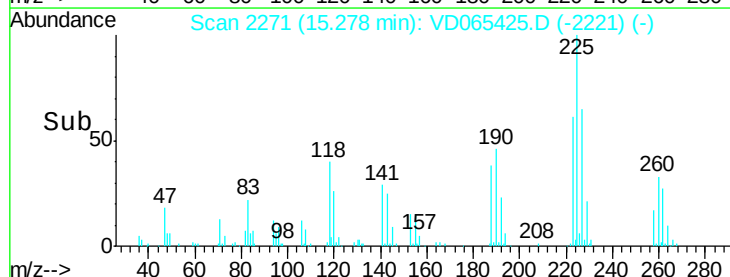
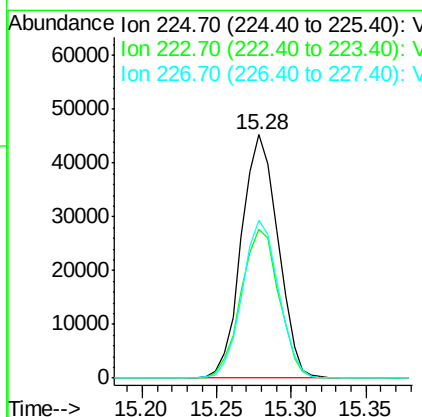
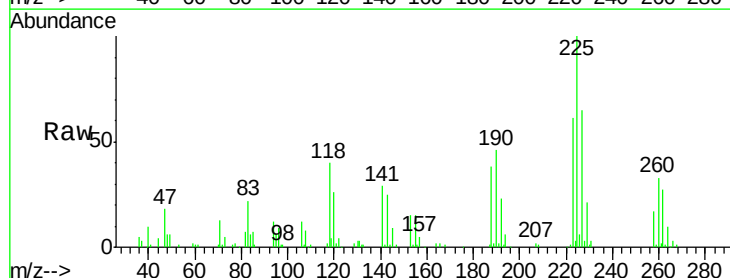
RT: 15.28 min Scan# 2271

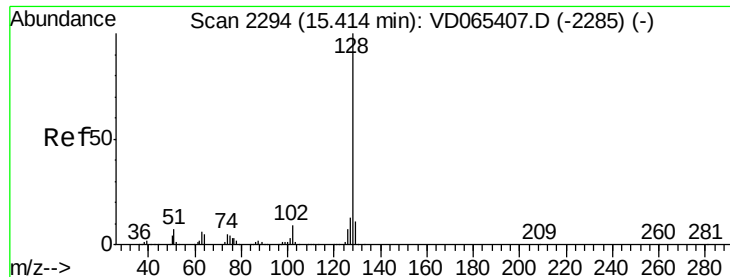
Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion:	225	Resp:	77040
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.9	92.5
227	64.3	31.6	94.7





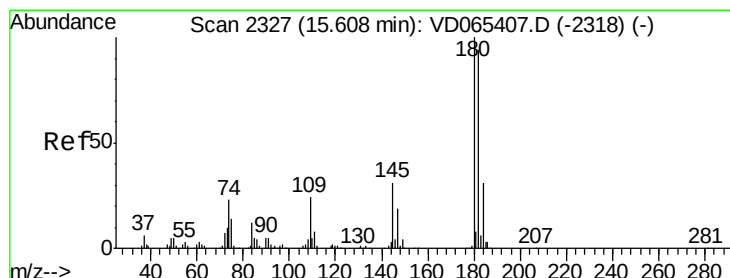
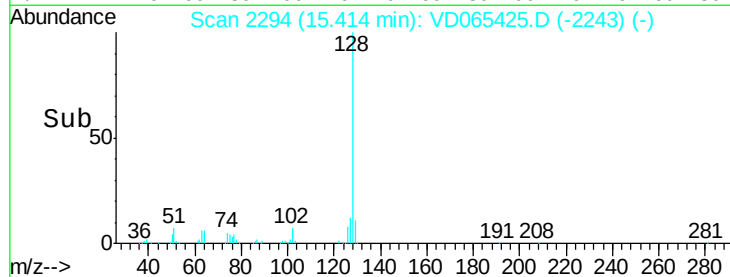
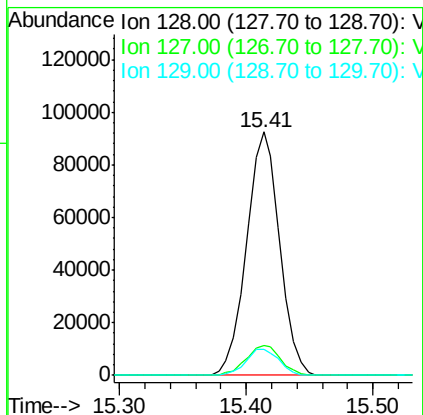
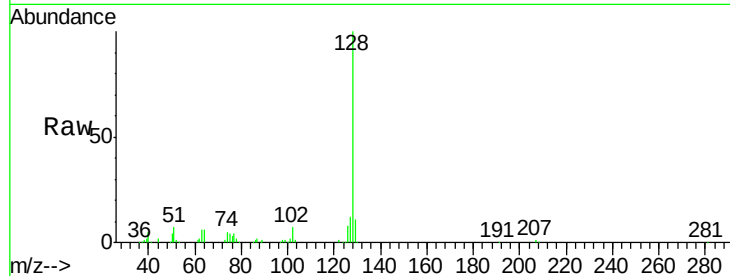
#95
Naphthalene
Concen: 19.413 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:17:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.906 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.9	140.6
145	29.2	15.0	45.1

