

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065412.D
 Acq On : 04 Mar 2020 15:30
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:03 PM

Quant Time: Mar 04 16:39:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	755497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	677436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84345	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
35) Dibromofluoromethane	7.92	113	90007	19.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.42%	
50) Toluene-d8	10.34	98	347059	19.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.58%	
62) 4-Bromofluorobenzene	12.64	95	104658	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95301	21.152	ug/l	99
3) Chloromethane	2.21	50	111906	20.735	ug/l	98
4) Vinyl Chloride	2.36	62	109192	20.461	ug/l	96
5) Bromomethane	2.77	94	67394	19.654	ug/l	99
6) Chloroethane	2.92	64	65368	20.070	ug/l	99
7) Trichlorofluoromethane	3.27	101	158405	20.133	ug/l	98
8) Diethyl Ether	3.70	74	45242	19.257	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100672	19.878	ug/l	98
10) Methyl Iodide	4.30	142	97803	18.704	ug/l	97
11) Tert butyl alcohol	5.26	59	21070	86.936	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	94973	19.599	ug/l	98
13) Acrolein	3.92	56	43552	98.495	ug/l	100
14) Allyl chloride	4.71	41	144291	19.328	ug/l	98
15) Acrylonitrile	5.43	53	90705	87.884	ug/l	97
16) Acetone	4.17	43	82637	90.406	ug/l	93
17) Carbon Disulfide	4.40	76	319407	19.744	ug/l	98
18) Methyl Acetate	4.73	43	41994	17.970	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	175539	18.636	ug/l	97
20) Methylene Chloride	4.96	84	106101	18.723	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	106088	19.626	ug/l	97
22) Diisopropyl ether	6.37	45	275743	19.683	ug/l	95
23) Vinyl Acetate	6.31	43	723835	93.167	ug/l	99
24) 1,1-Dichloroethane	6.26	63	176872	19.877	ug/l	97
25) 2-Butanone	7.22	43	109603	87.643	ug/l	96
26) 2,2-Dichloropropane	7.20	77	151651	19.498	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107535	19.399	ug/l	98
28) Bromochloromethane	7.55	49	67864	18.800	ug/l	100
29) Tetrahydrofuran	7.57	42	70332	87.548	ug/l	97
30) Chloroform	7.71	83	172261	19.250	ug/l	94
31) Cyclohexane	7.98	56	173087	19.547	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	159823	19.460	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142700	19.640	ug/l	99
37) Ethyl Acetate	7.30	43	51299	18.039	ug/l	98
38) Carbon Tetrachloride	8.10	117	150628	20.085	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172694	19.892	ug/l	95
40) Benzene	8.35	78	400773	19.677	ug/l	99
41) Methacrylonitrile	7.52	41	29284	20.264	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	102318	19.091	ug/l	99
43) Isopropyl Acetate	8.46	43	96342	18.512	ug/l	97
44) Trichloroethene	9.11	130	114003	19.939	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97506	19.712	ug/l	94
46) Dibromomethane	9.48	93	48839	18.989	ug/l	98
47) Bromodichloromethane	9.67	83	130808	19.590	ug/l	98
48) Methyl methacrylate	9.46	41	43932	17.845	ug/l	96
49) 1,4-Dioxane	9.47	88	10802	364.871	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	243123	92.372	ug/l	98
52) Toluene	10.41	92	251657	19.591	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115197	18.336	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	145207	19.138	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	70403	19.355	ug/l	100
56) Ethyl methacrylate	10.67	69	74940	18.172	ug/l	99
57) 1,3-Dichloropropane	10.95	76	117528	19.039	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	120029	81.872	ug/l	99
59) 2-Hexanone	10.99	43	167155	91.613	ug/l	98
60) Dibromochloromethane	11.14	129	88114	18.813	ug/l	100
61) 1,2-Dibromoethane	11.25	107	65770	18.932	ug/l	97
64) Tetrachloroethene	10.88	164	98763	20.297	ug/l	99
65) Chlorobenzene	11.67	112	264701	19.642	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	97044	19.724	ug/l	99
67) Ethyl Benzene	11.75	91	461684	19.873	ug/l	99
68) m/p-Xylenes	11.86	106	361858	40.402	ug/l	97
69) o-Xylene	12.19	106	156691	19.891	ug/l	100
70) Styrene	12.20	104	282995	20.365	ug/l	98
71) Bromoform	12.37	173	52624	18.960	ug/l #	98
73) Isopropylbenzene	12.49	105	435691	19.875	ug/l	100
74) N-amyl acetate	12.30	43	82002	18.115	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	72952	18.759	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	60644m	13.155	ug/l	
77) Bromobenzene	12.77	156	105527	19.198	ug/l	99
78) n-propylbenzene	12.83	91	522145	20.014	ug/l	99
79) 2-Chlorotoluene	12.91	91	293598	20.005	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	360491	19.974	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23437	18.736	ug/l	98
82) 4-Chlorotoluene	13.01	91	309958	20.031	ug/l	100
83) tert-Butylbenzene	13.23	119	299072	19.627	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	359642	20.186	ug/l	99
85) sec-Butylbenzene	13.41	105	429200	19.735	ug/l	99
86) p-Isopropyltoluene	13.53	119	400227	20.159	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	208033	19.816	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	205258	19.600	ug/l	99
89) n-Butylbenzene	13.86	91	360953	19.701	ug/l	100
90) Hexachloroethane	14.12	117	78383	19.120	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	173589	19.288	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10049	16.835	ug/l	95

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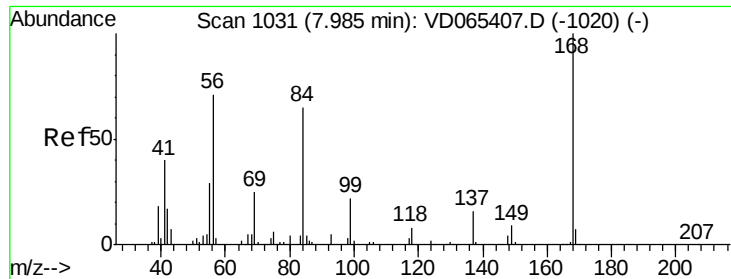
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	117696	19.441	ug/l	98
94) Hexachlorobutadiene	15.28	225	77614	19.599	ug/l	97
95) Naphthalene	15.41	128	173664	17.839	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100507	19.114	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 519586

Ion Ratio Lower Upper

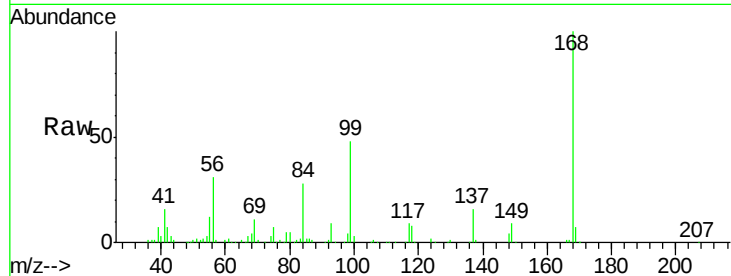
168 100

99 48.1 41.5 62.3

Manual Integrations
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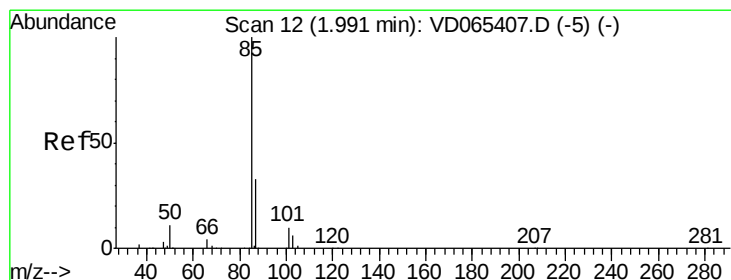
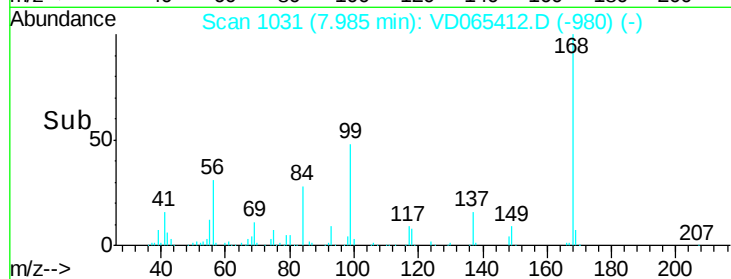
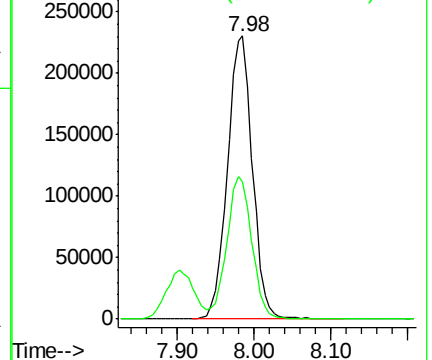
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.152 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065412.D

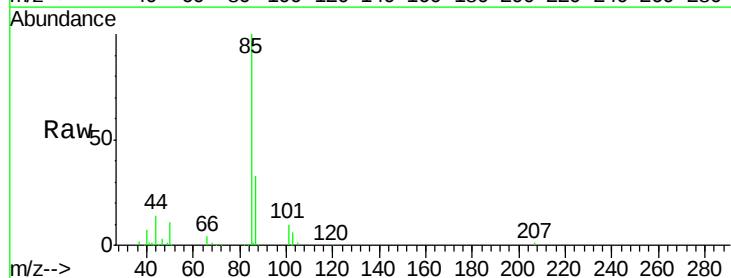
Acq: 04 Mar 2020 15:30

Tgt Ion: 85 Resp: 95301

Ion Ratio Lower Upper

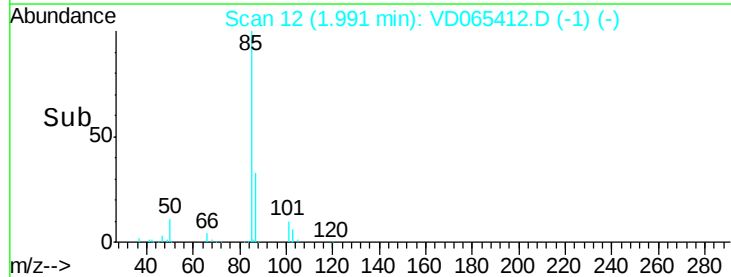
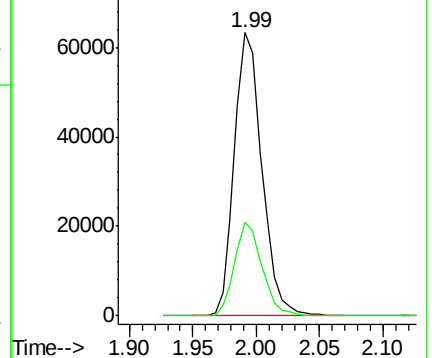
85 100

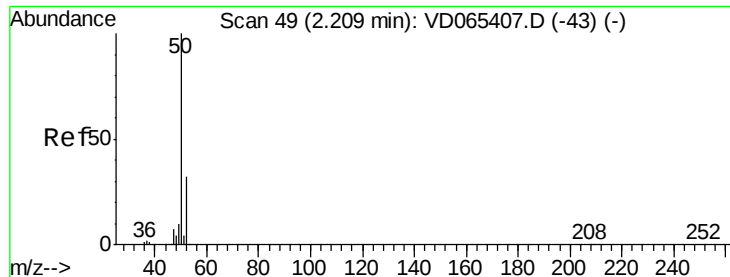
87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.735 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 111906

Ion Ratio Lower Upper

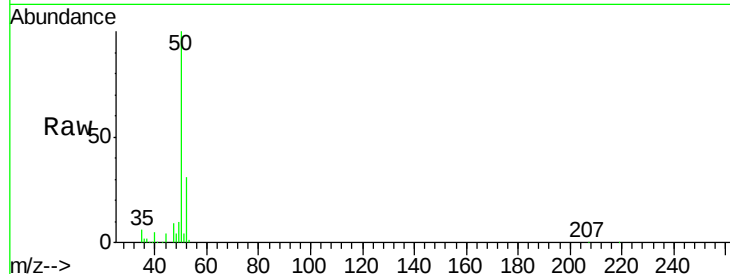
50 100

52 31.0 25.8 38.8

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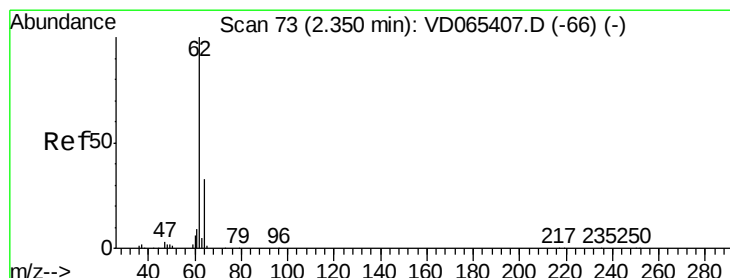
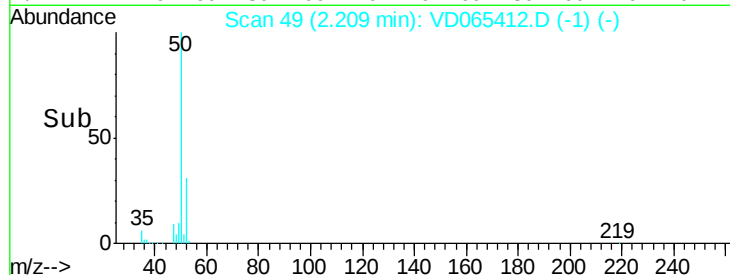
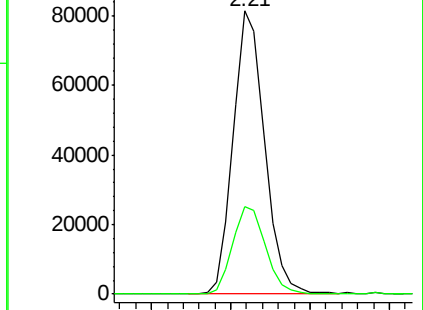
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.461 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065412.D

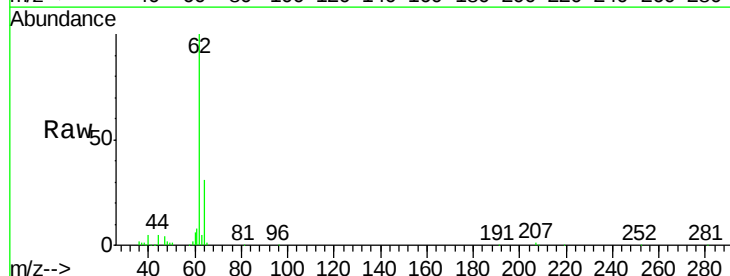
Acq: 04 Mar 2020 15:30

Tgt Ion: 62 Resp: 109192

Ion Ratio Lower Upper

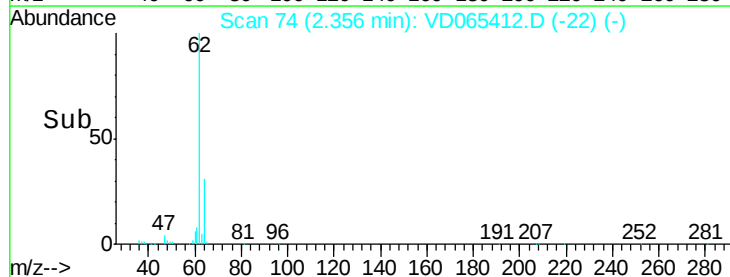
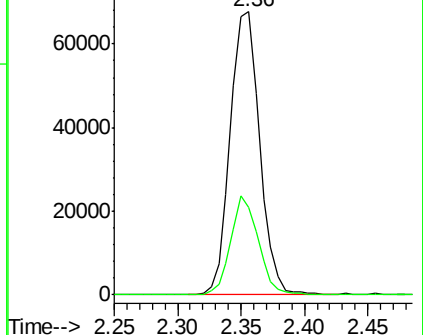
62 100

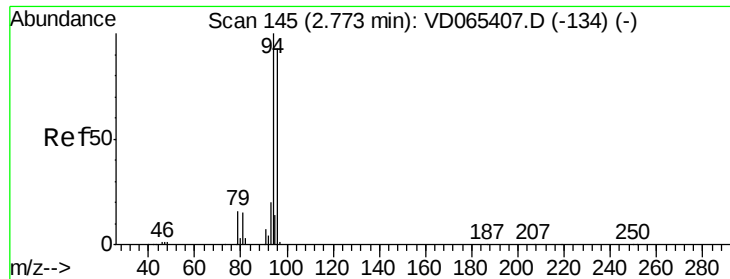
64 30.8 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.654 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 67394

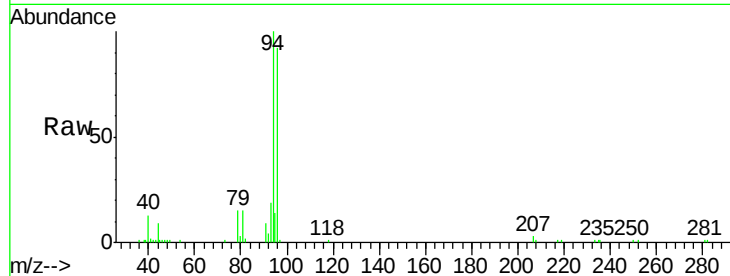
Ion Ratio Lower Upper

94 100

96 92.2 74.4 111.6

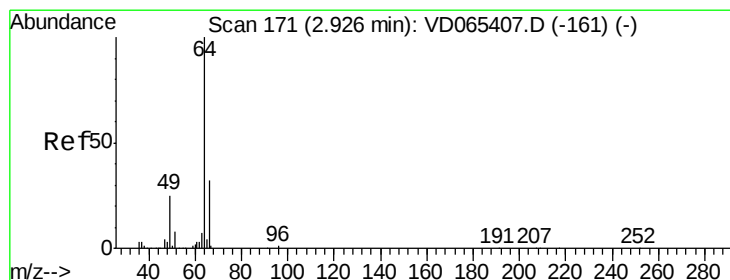
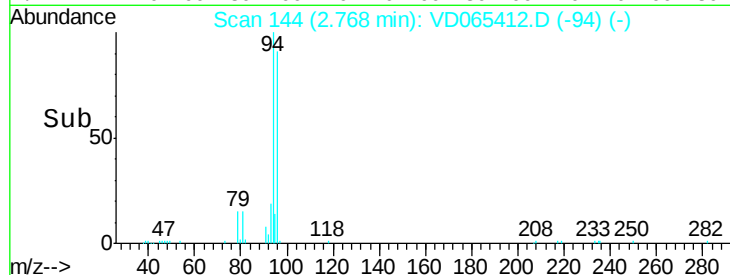
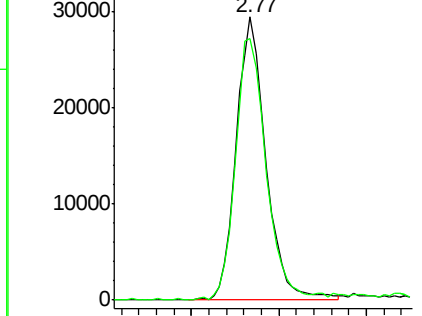
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.070 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065412.D

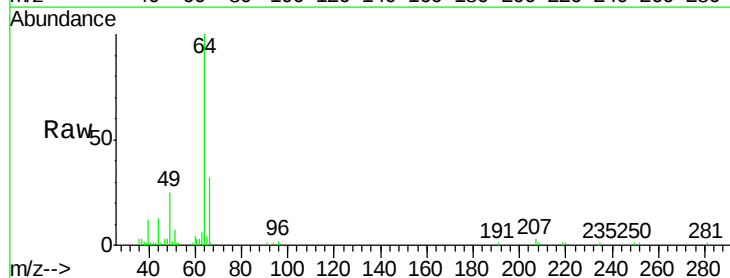
Acq: 04 Mar 2020 15:30

Tgt Ion: 64 Resp: 65368

Ion Ratio Lower Upper

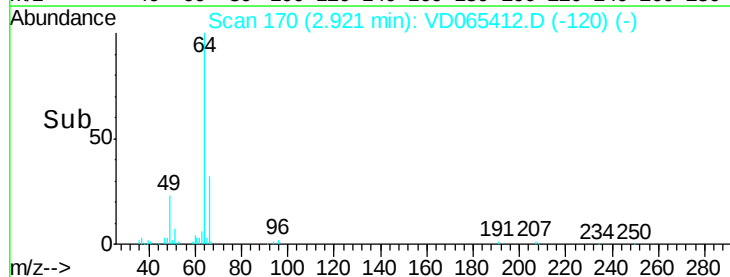
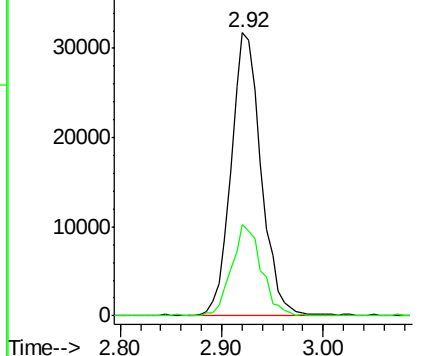
64 100

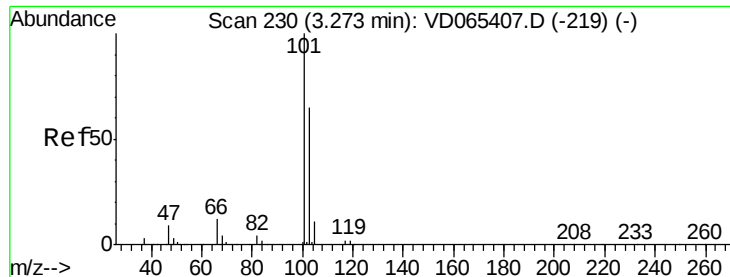
66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

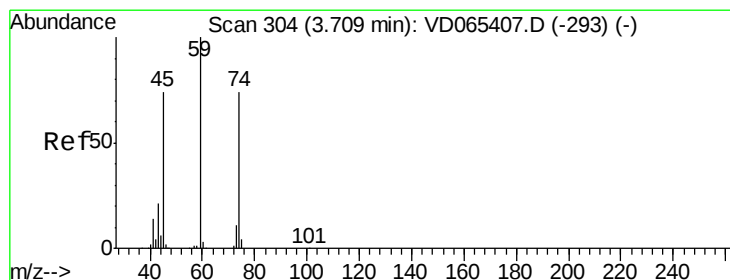
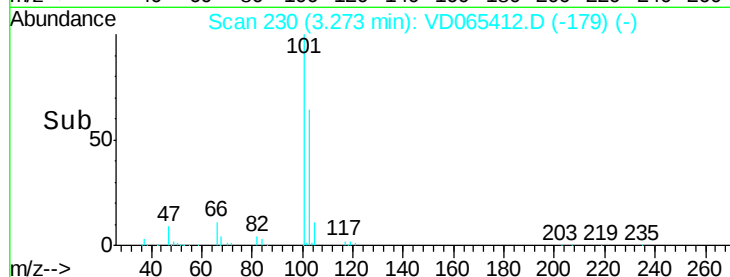
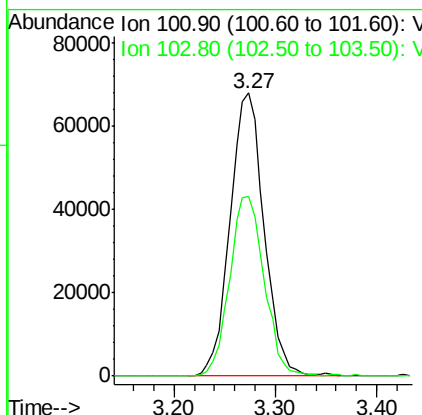
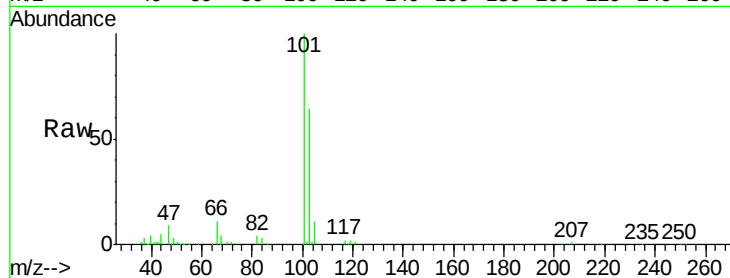
Trichlorofluoromethane
 Concen: 20.133 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
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 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1

Manual Integrations
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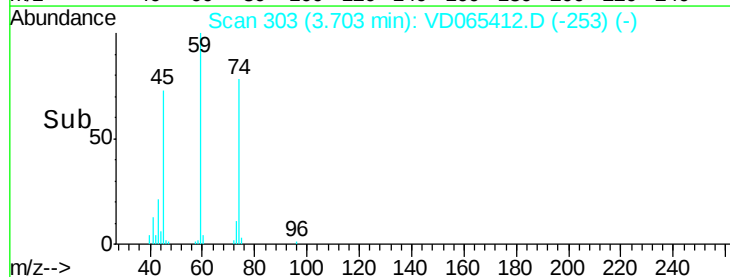
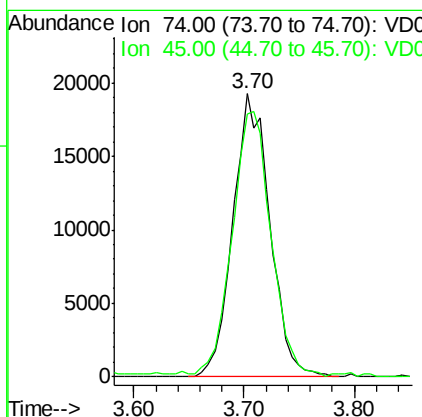
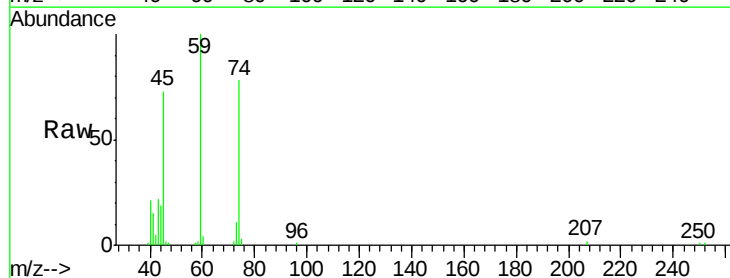
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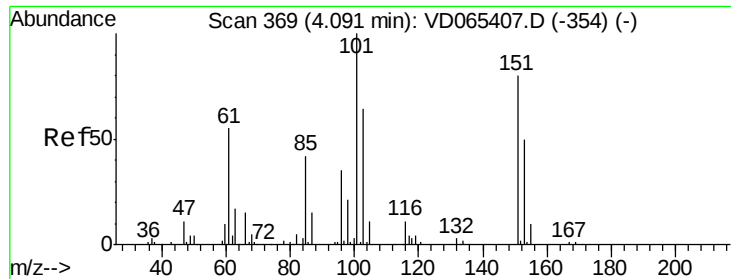


#8

Diethyl Ether
 Concen: 19.257 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.878 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

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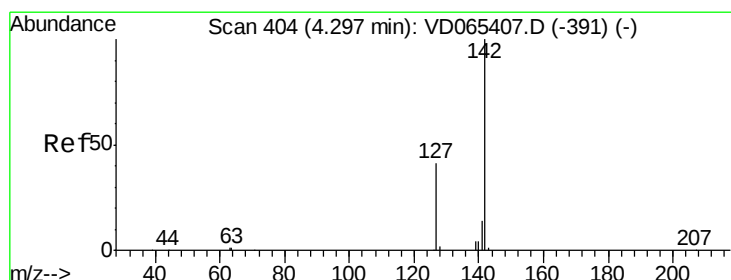
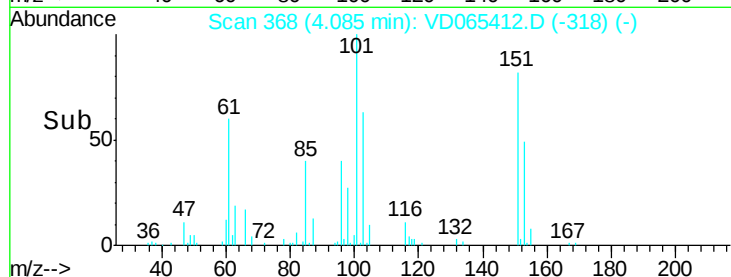
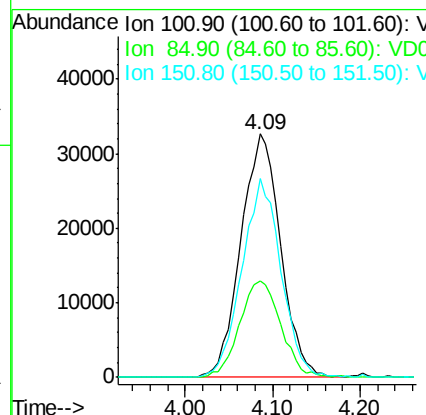
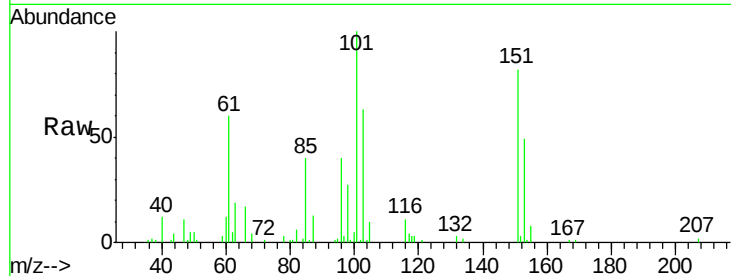
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	100672
Ion Ratio	Lower	Upper	
101	100		
85	40.9	34.2	51.2
151	80.4	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.704 ug/l

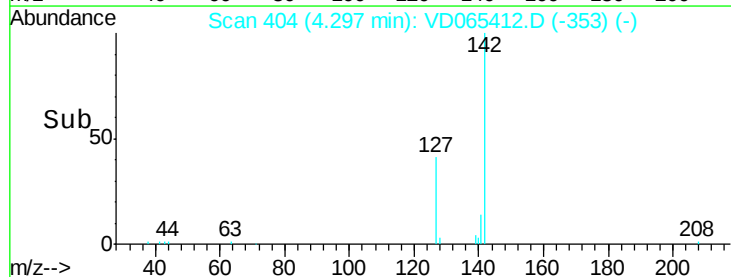
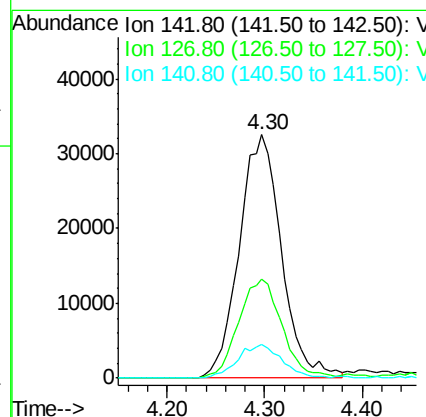
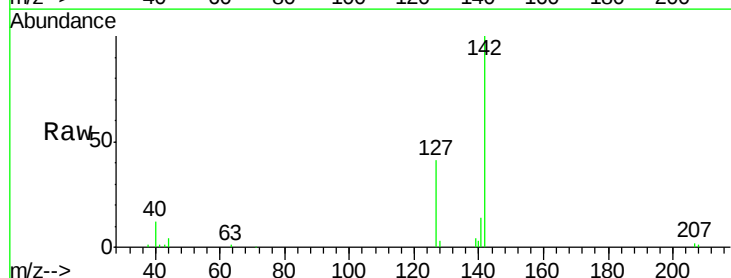
RT: 4.30 min Scan# 404

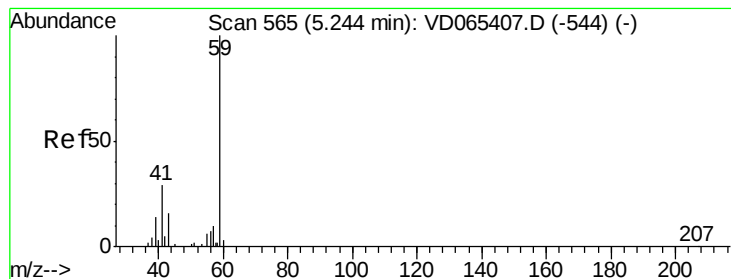
Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:	142	Resp:	97803
Ion Ratio	Lower	Upper	
142	100		
127	41.6	35.0	52.6
141	14.4	12.4	18.6





#11

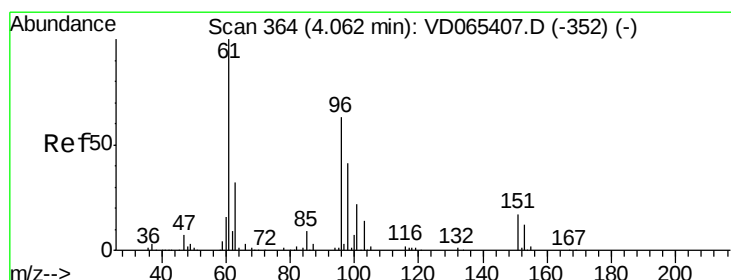
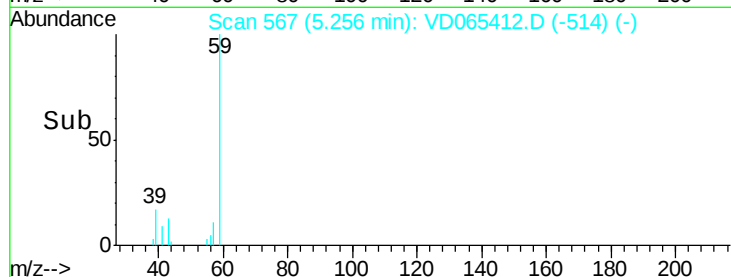
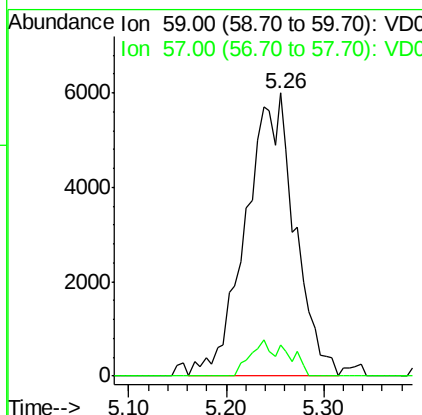
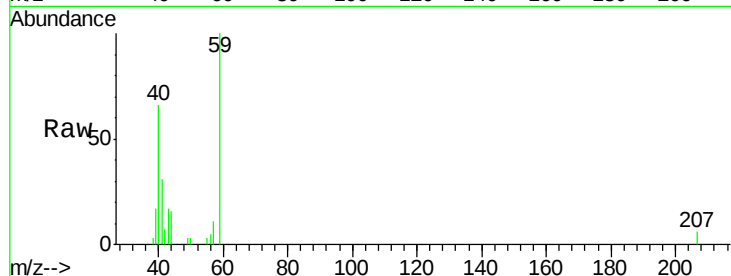
Tert butyl alcohol
Concen: 86.936 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 21070
Ion Ratio Lower Upper
59 100
57 5.7 6.9 10.3#

Manual Integrations
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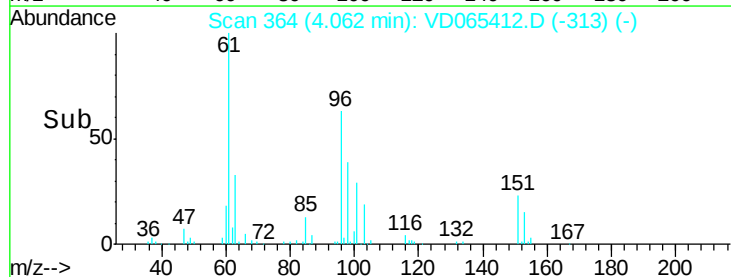
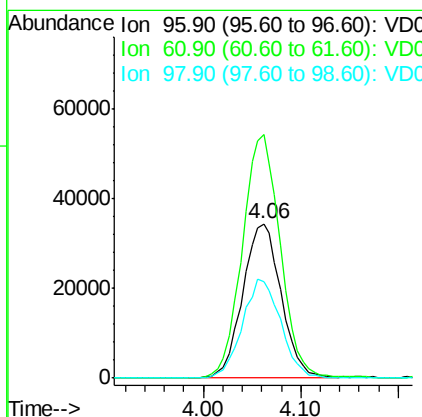
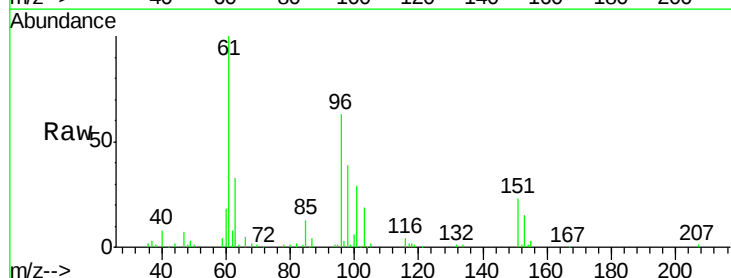
MMDadoda
3/5/2020 1:39:03 PM

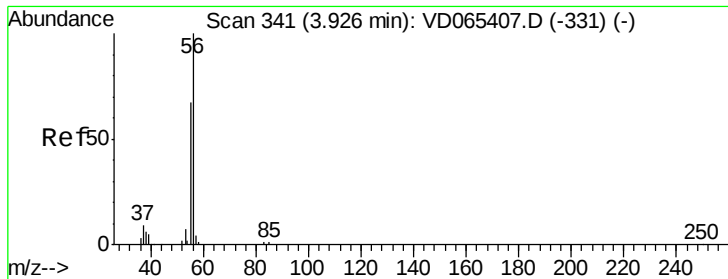


#12

1,1-Dichloroethene
Concen: 19.599 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 96 Resp: 94973
Ion Ratio Lower Upper
96 100
61 157.6 128.0 192.0
98 62.2 51.9 77.9





#13

Acrolein

Concen: 98.495 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 43552

Ion Ratio Lower Upper

56 100

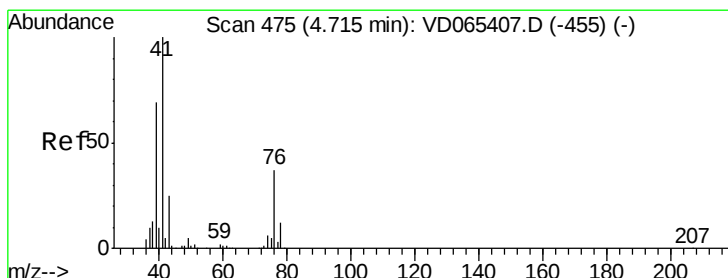
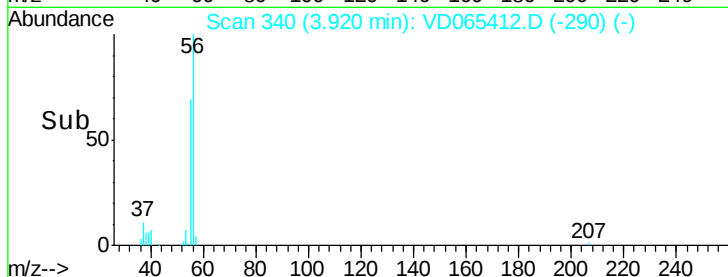
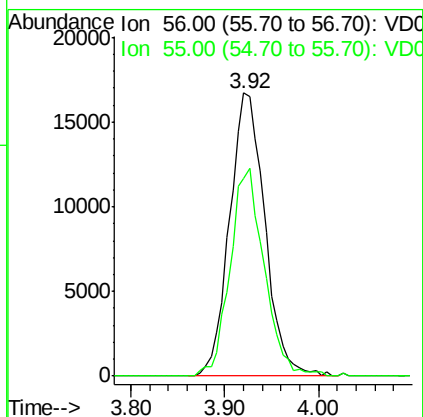
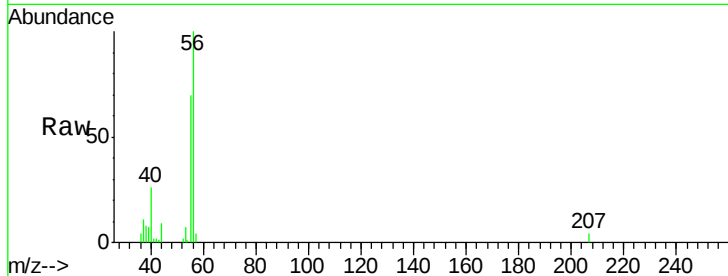
55 71.2 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.328 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

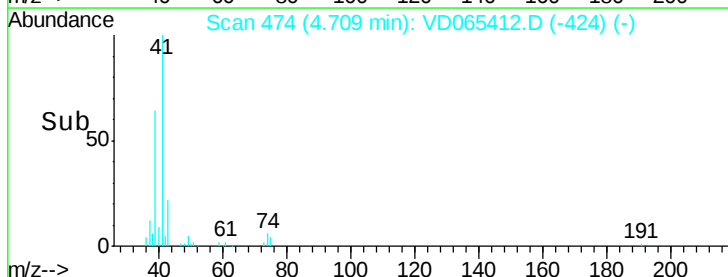
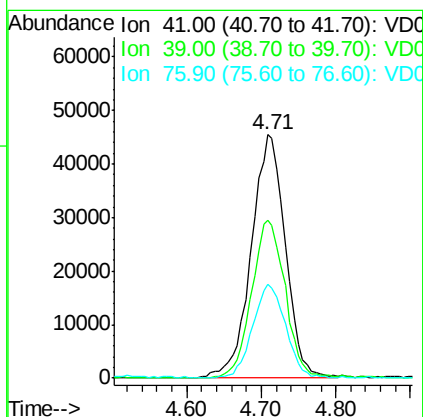
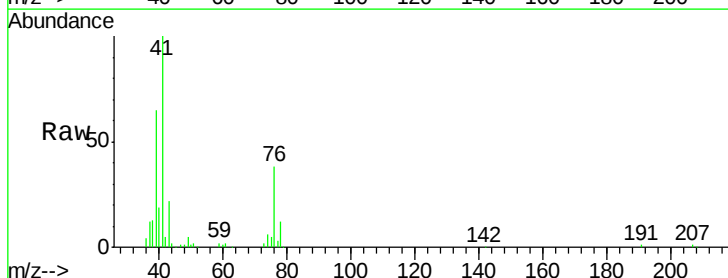
Tgt Ion: 41 Resp: 144291

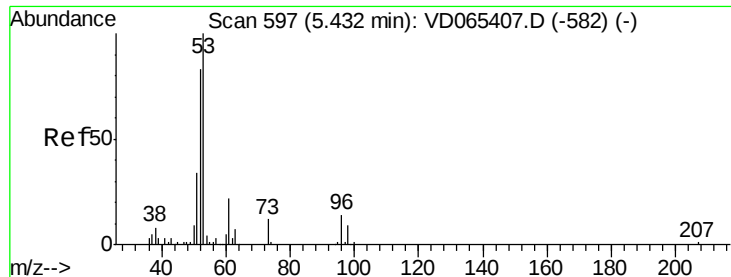
Ion Ratio Lower Upper

41 100

39 64.0 52.6 79.0

76 37.4 29.2 43.8





#15

Acrylonitrile

Concen: 87.884 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

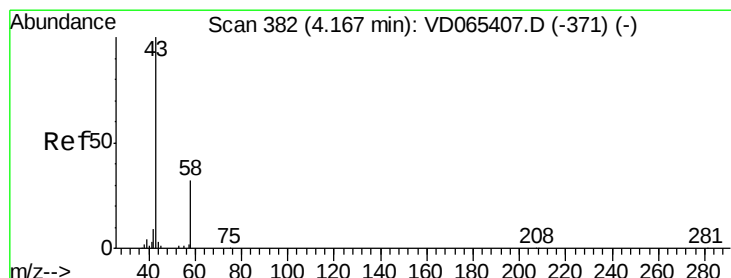
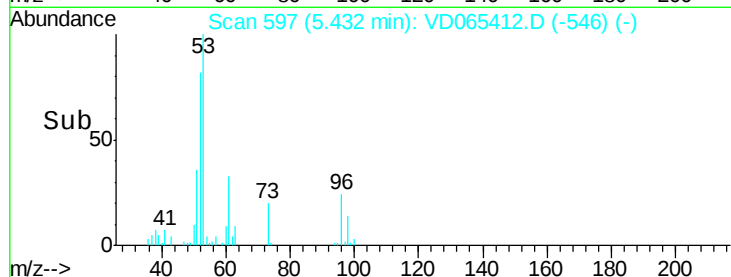
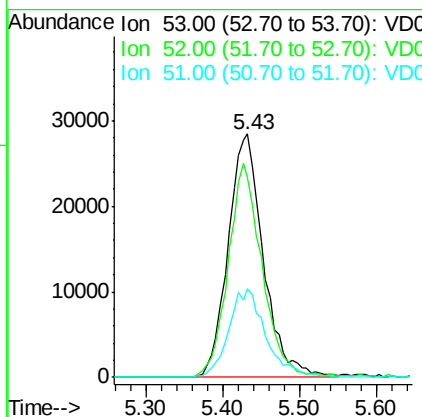
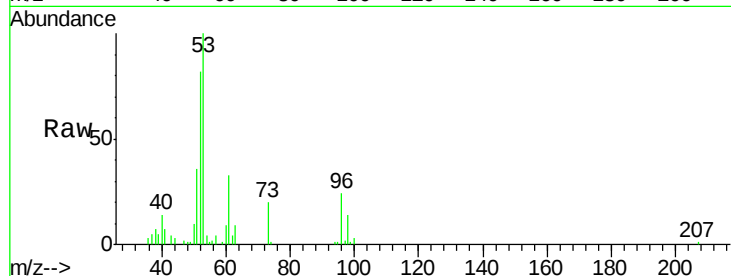
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	90705
Ion Ratio	Lower	Upper	
53	100		
52	84.0	65.1	97.7
51	38.3	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 90.406 ug/l

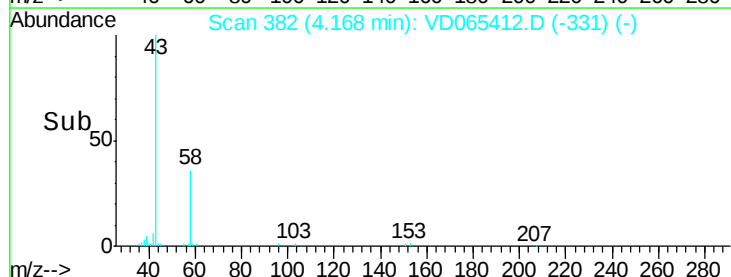
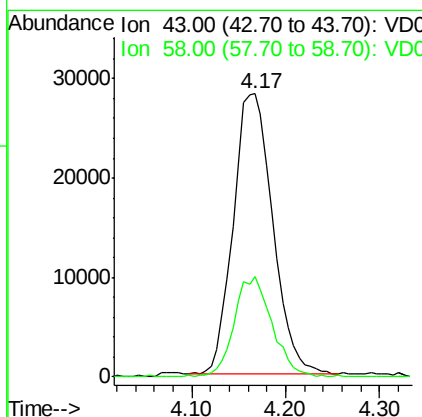
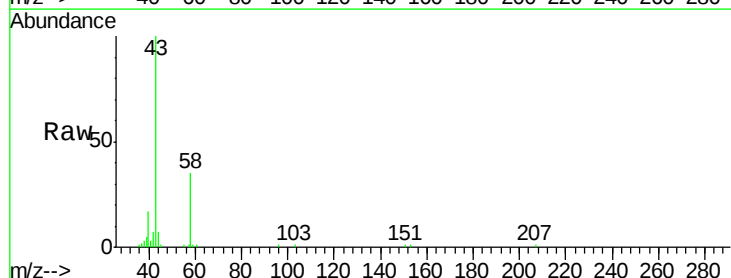
RT: 4.17 min Scan# 382

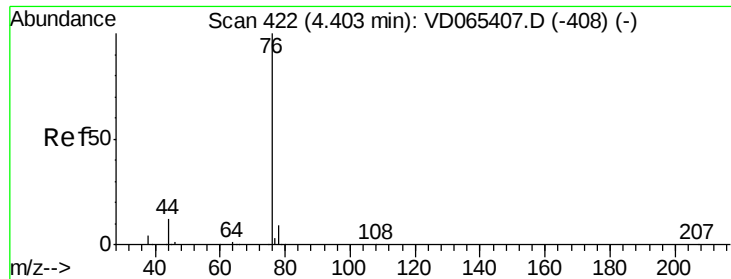
Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:	43	Resp:	82637
Ion Ratio	Lower	Upper	
43	100		
58	35.1	25.1	37.7





#17

Carbon Disulfide

Concen: 19.744 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 319407

Ion Ratio Lower Upper

76 100

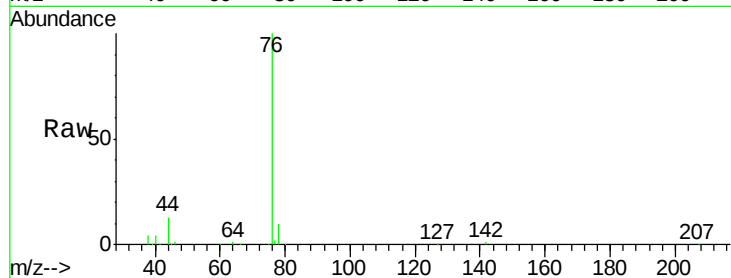
78 9.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

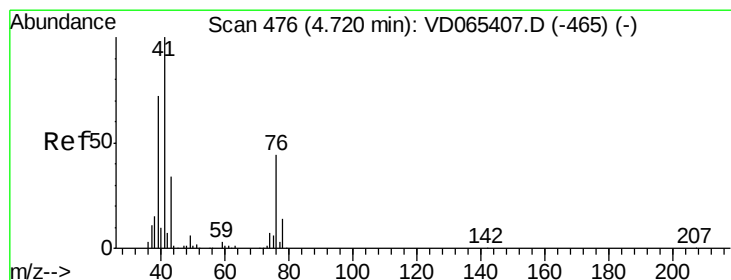
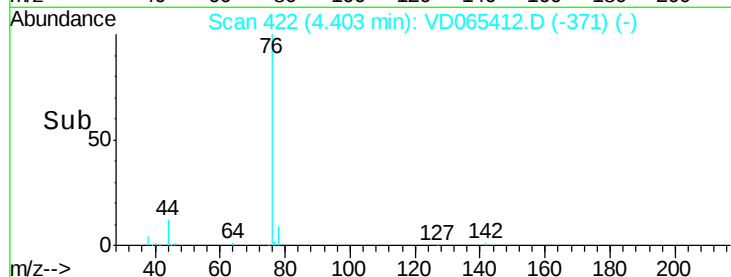
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 17.970 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065412.D

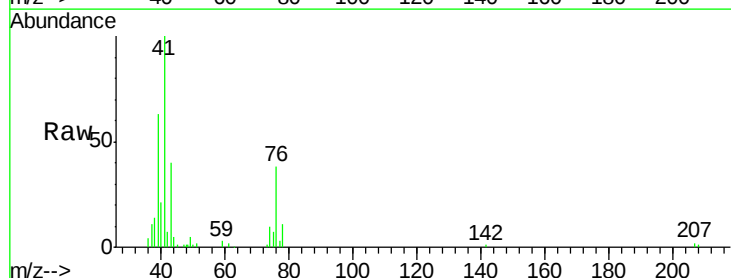
Acq: 04 Mar 2020 15:30

Tgt Ion: 43 Resp: 41994

Ion Ratio Lower Upper

43 100

74 24.2 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

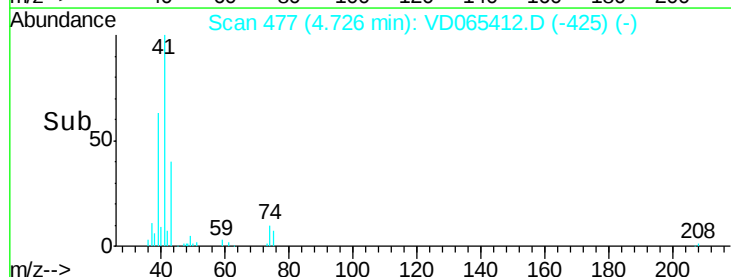
15000

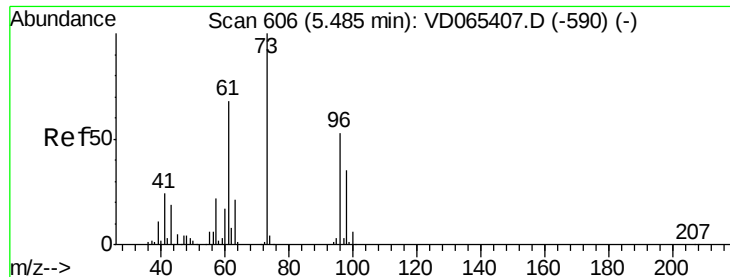
10000

5000

0

Time-->





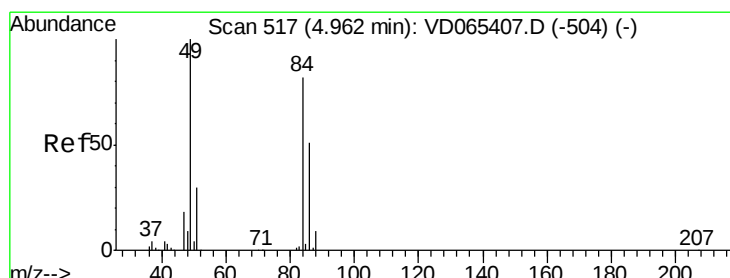
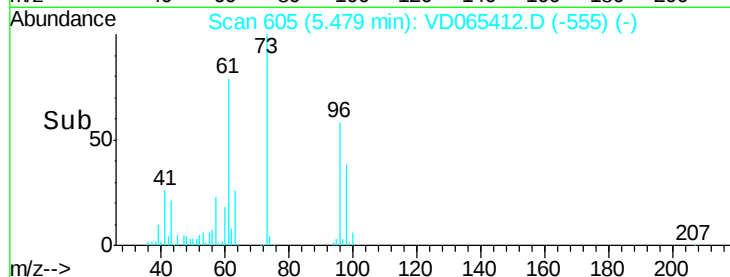
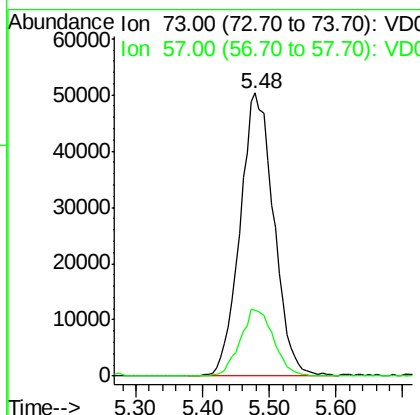
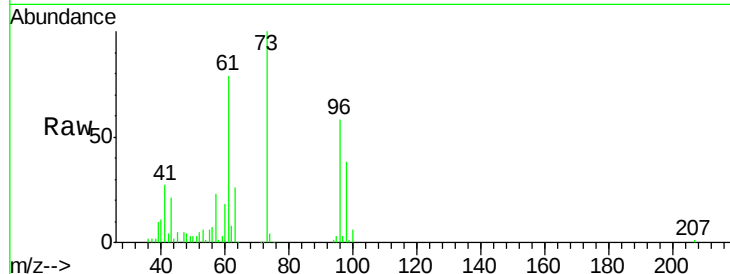
#19
Methyl tert-butyl Ether
Concen: 18.636 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.3	25.9

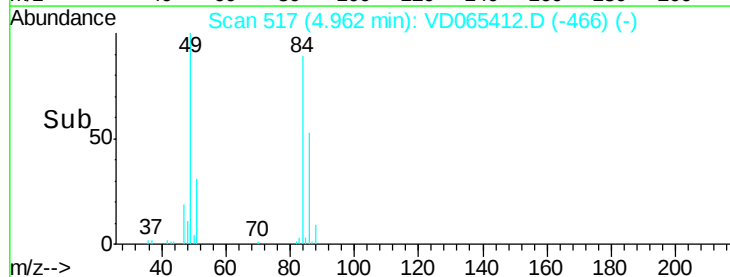
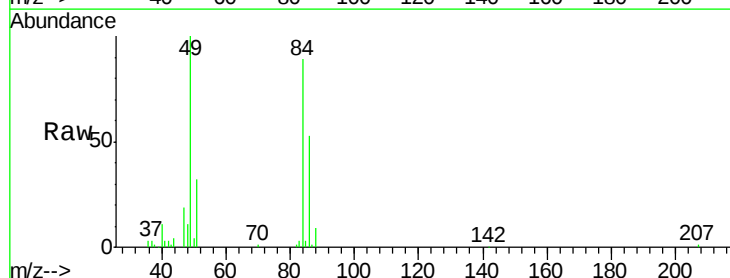
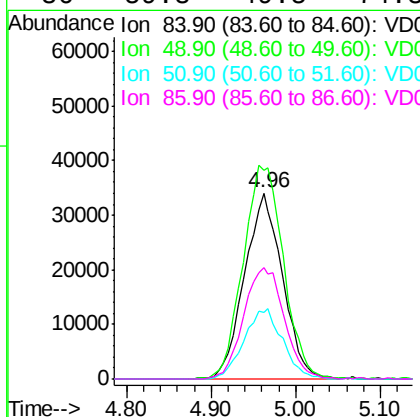
Manual Integrations
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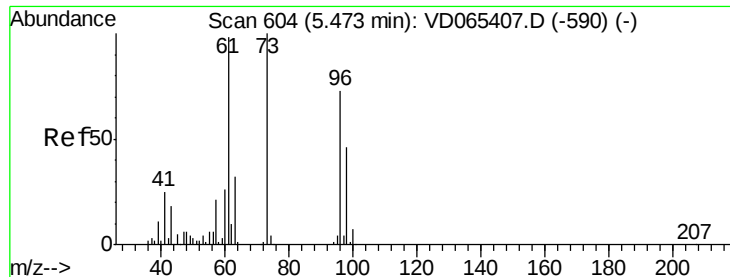
MMDadoda
3/5/2020 1:39:03 PM



#20
Methylene Chloride
Concen: 18.723 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.2	97.7	146.5
51	35.5	28.8	43.2
86	59.8	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 19.626 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 106088

Ion Ratio Lower Upper

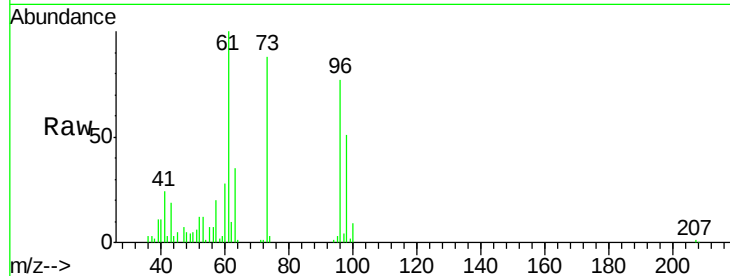
96 100

61 129.1 106.3 159.5

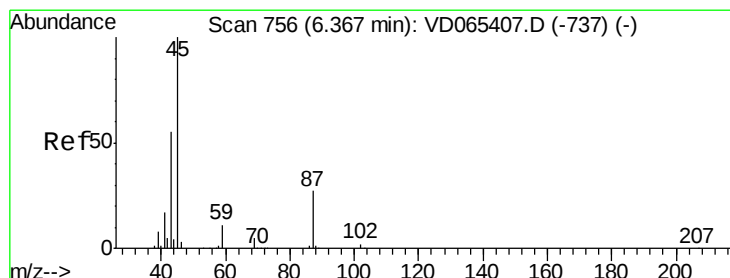
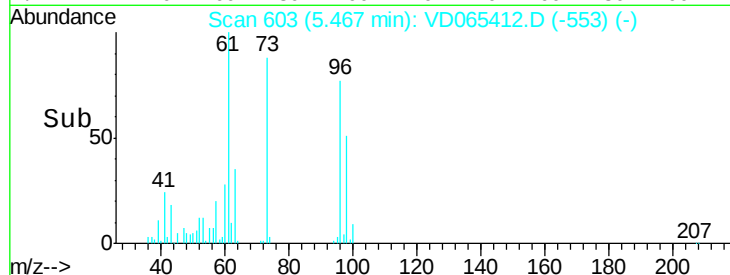
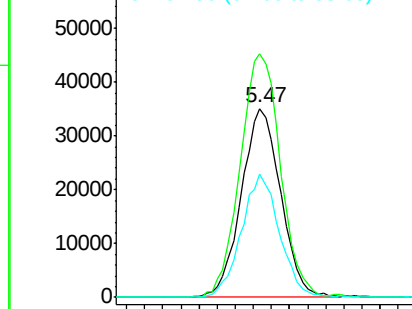
98 65.2 50.2 75.4

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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: 19.683 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion: 45 Resp: 275743

Ion Ratio Lower Upper

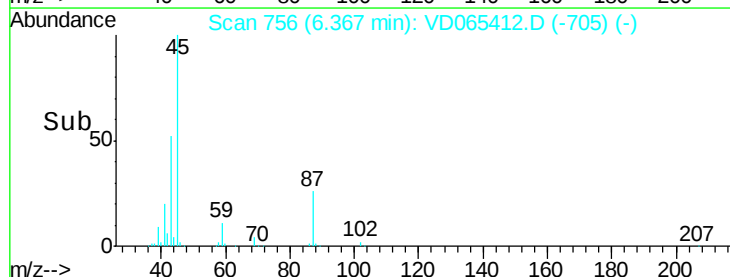
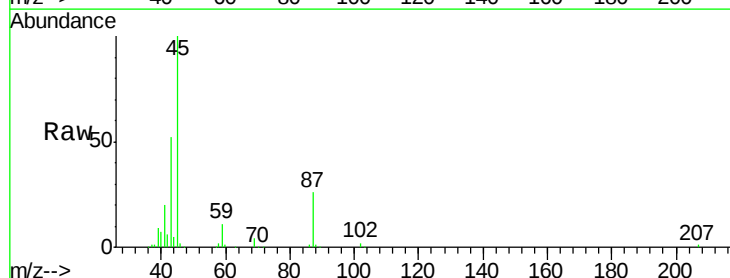
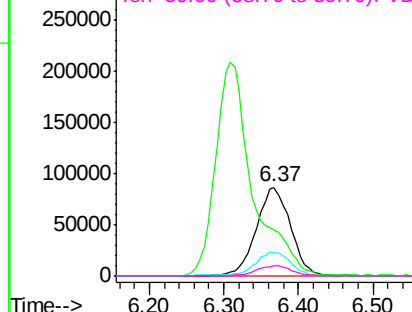
45 100

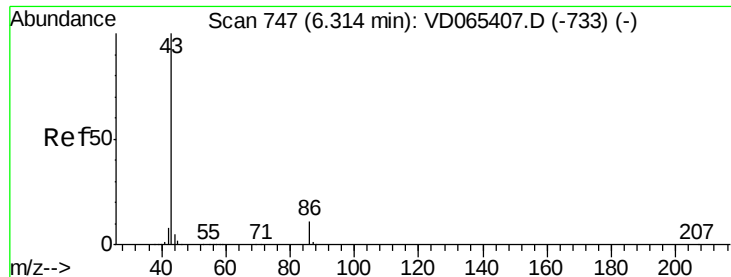
43 50.8 44.4 66.6

87 26.0 21.9 32.9

59 11.2 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: 93.167 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 723835

Ion Ratio Lower Upper

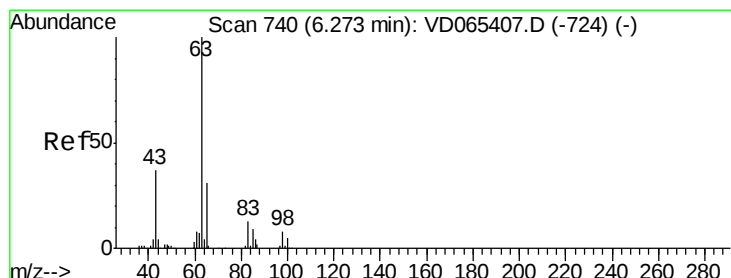
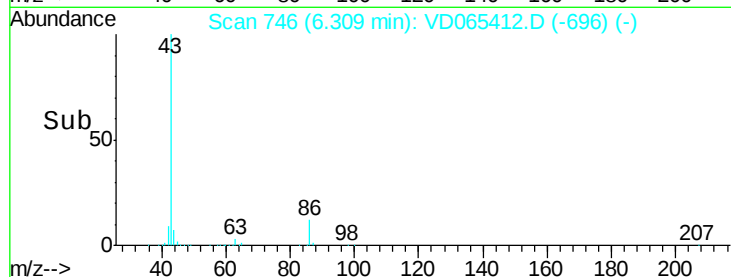
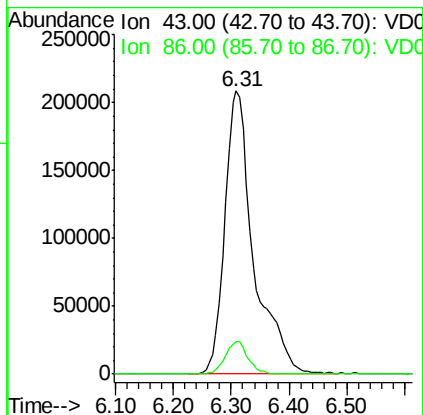
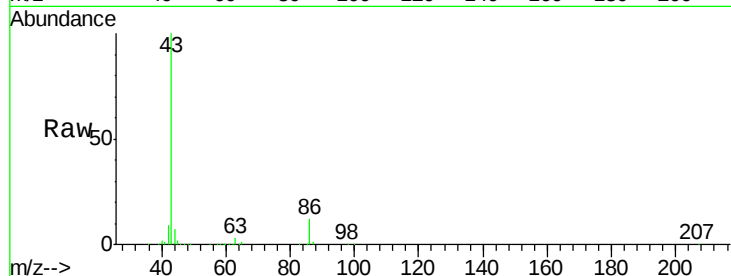
43 100

86 11.5 8.9 13.3

Manual Integrations
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3/5/2020 1:39:03 PM



#24

1,1-Dichloroethane

Concen: 19.877 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

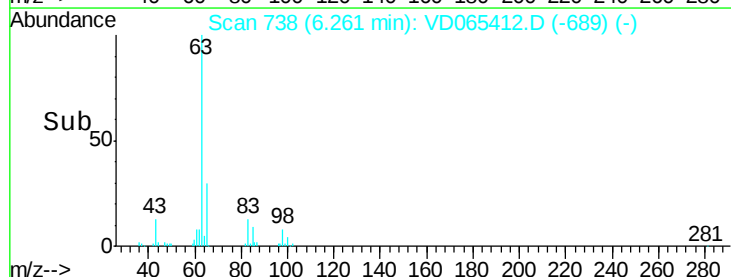
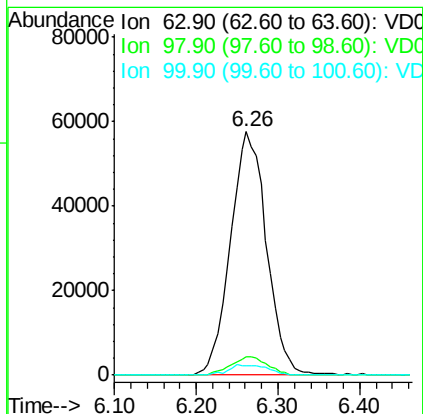
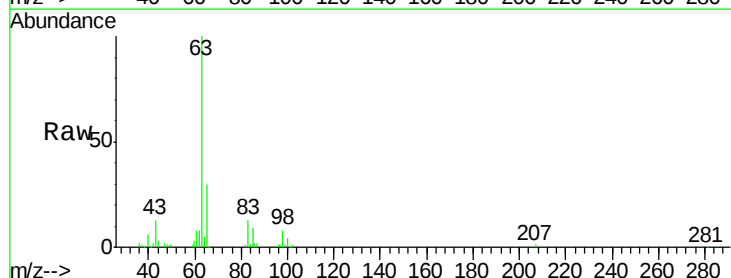
Tgt Ion: 63 Resp: 176872

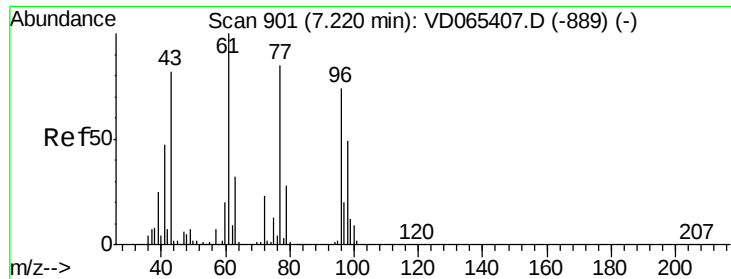
Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

100 3.9 2.4 7.2





#25

2-Butanone

Concen: 87.643 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 109603

Ion Ratio Lower Upper

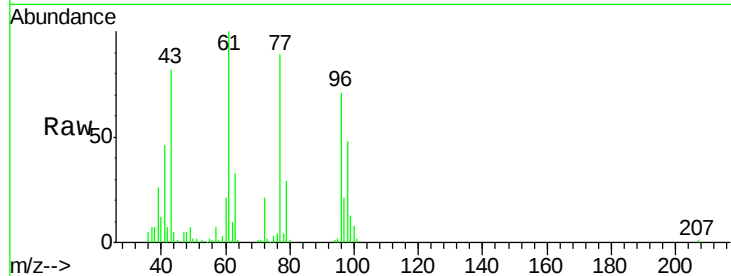
43 100

72 25.6 22.3 33.5

Manual Integrations
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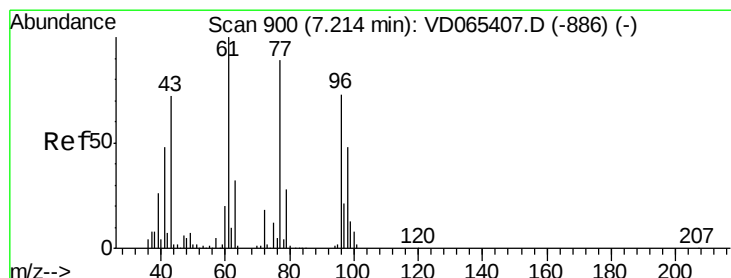
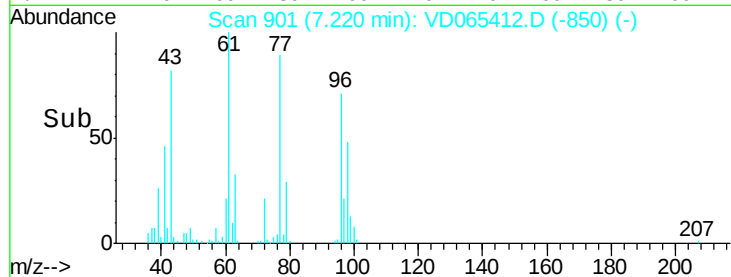
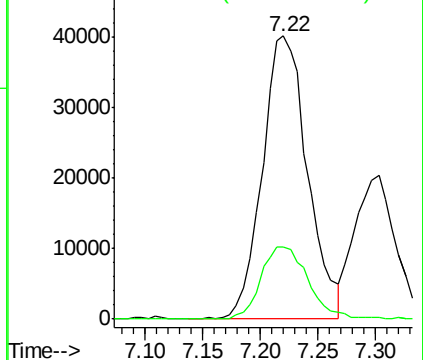
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.498 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065412.D

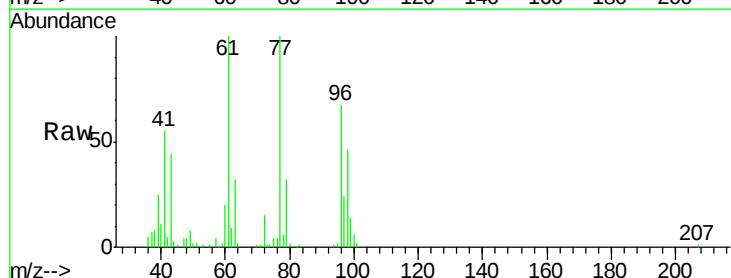
Acq: 04 Mar 2020 15:30

Tgt Ion: 77 Resp: 151651

Ion Ratio Lower Upper

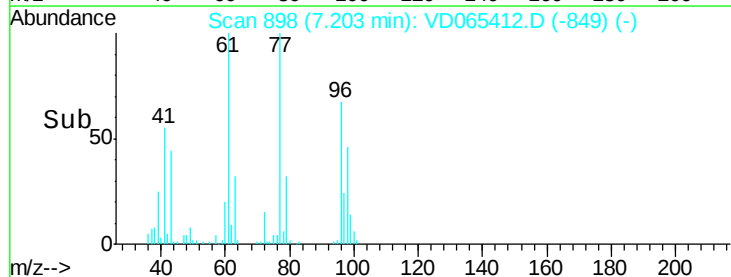
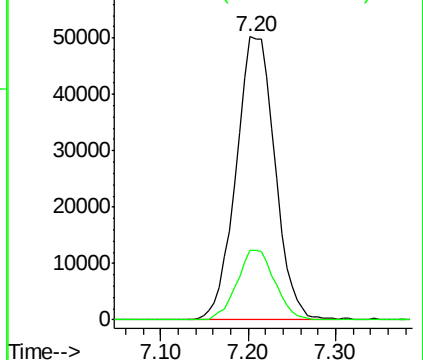
77 100

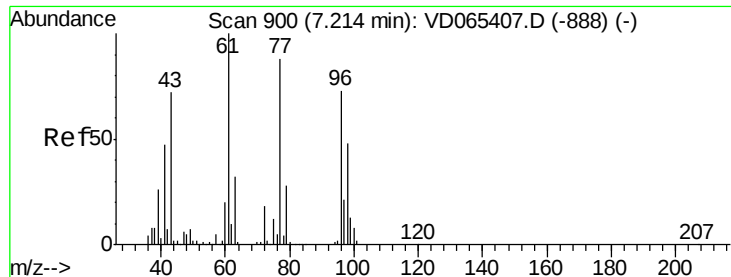
97 24.0 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.399 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

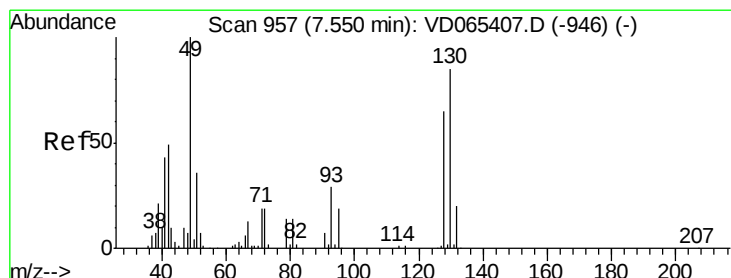
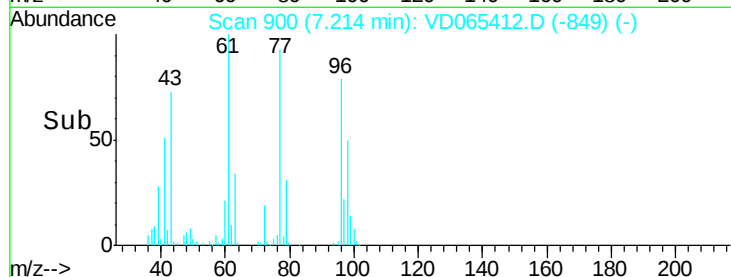
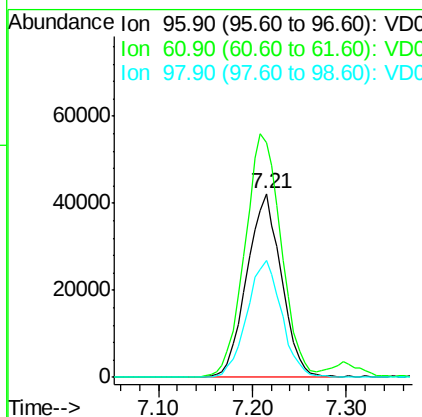
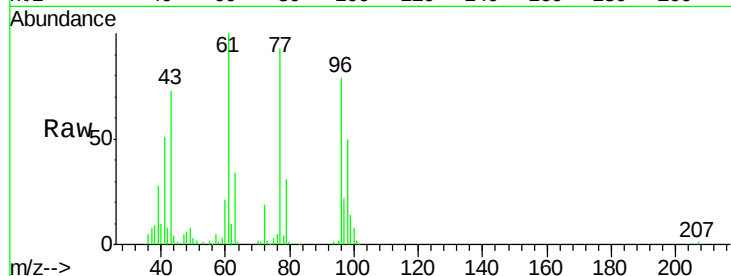
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	107535
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	280.4
98	63.8	0.0	132.6

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#28

Bromochloromethane

Concen: 18.800 ug/l

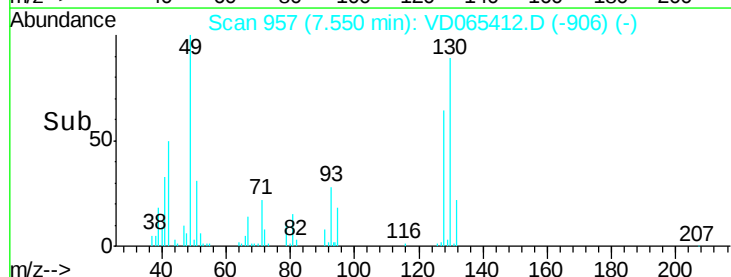
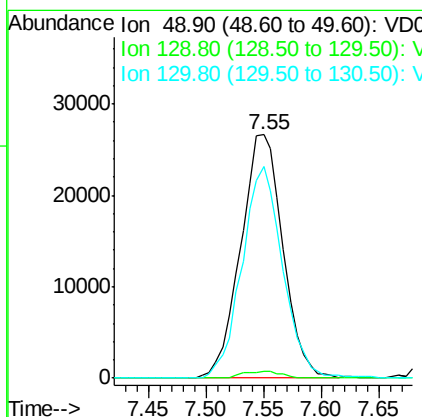
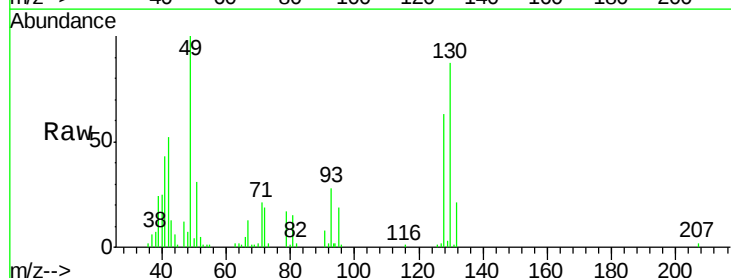
RT: 7.55 min Scan# 957

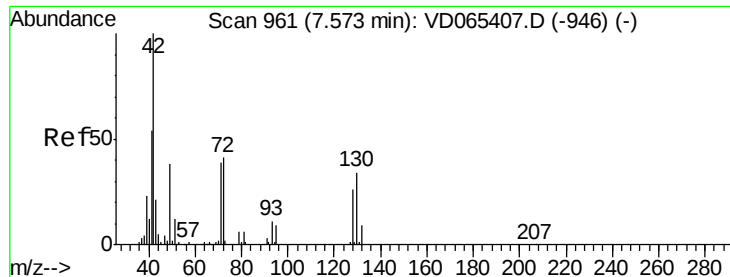
Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:	49	Resp:	67864
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	83.6	66.6	100.0





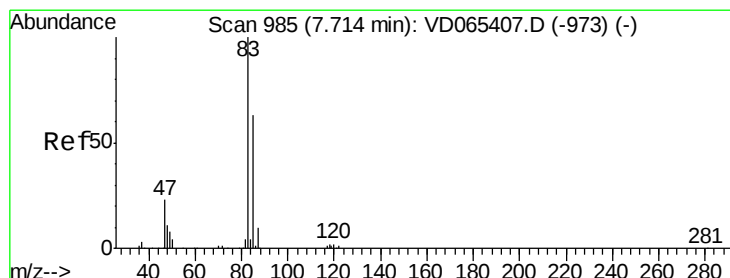
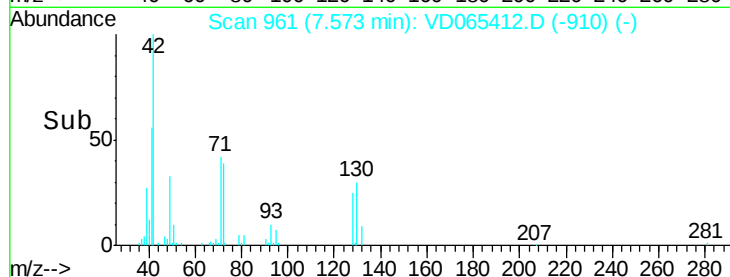
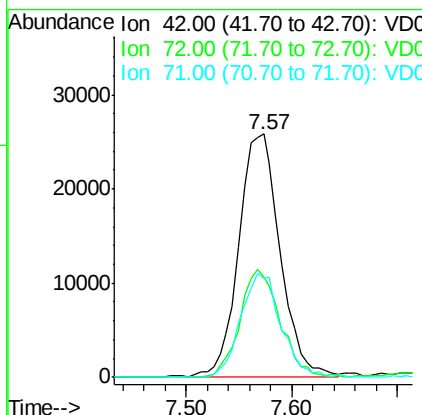
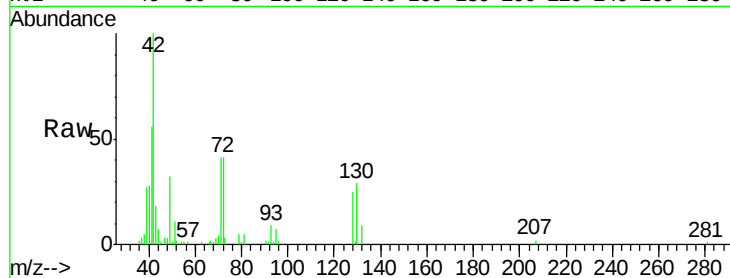
#29
Tetrahydrofuran
Concen: 87.548 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.0	49.6
71	41.3	32.0	48.0

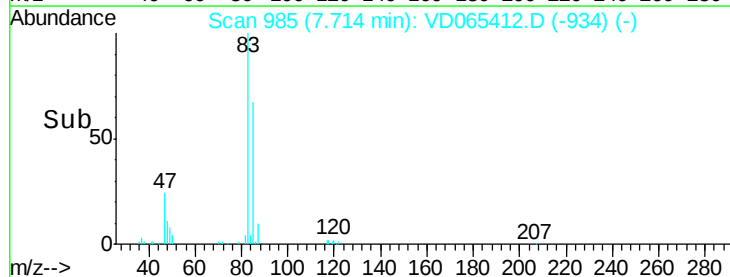
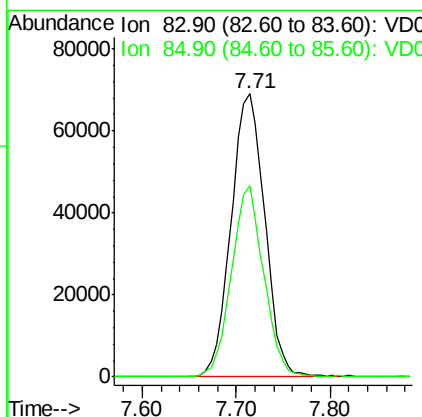
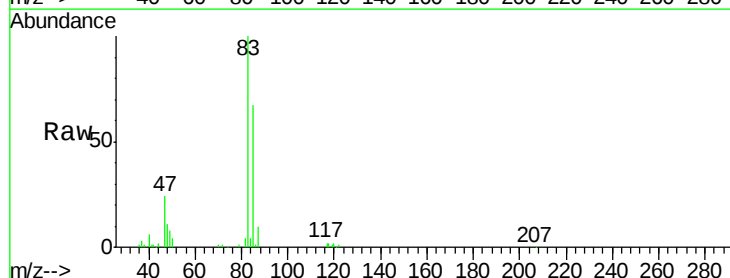
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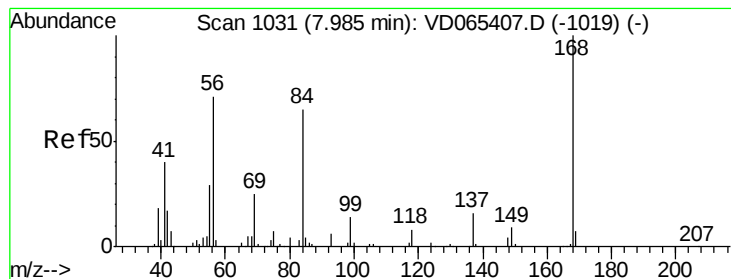
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#30
Chloroform
Concen: 19.250 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.3	75.5





#31

Cyclohexane

Concen: 19.547 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

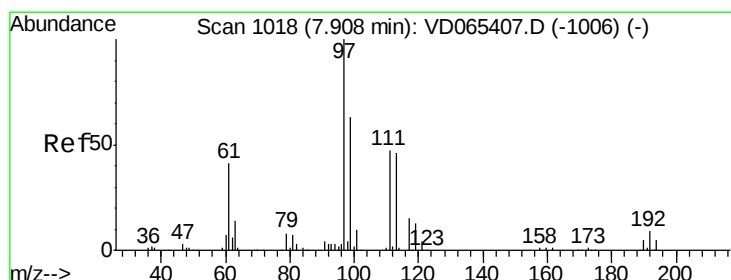
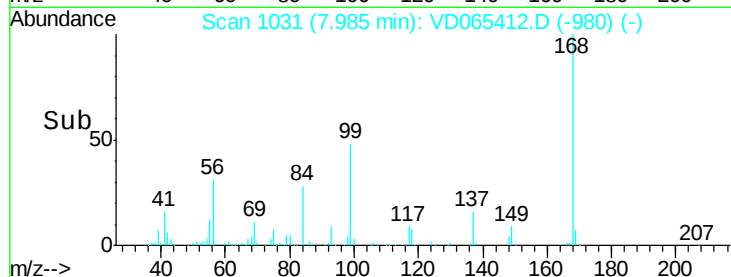
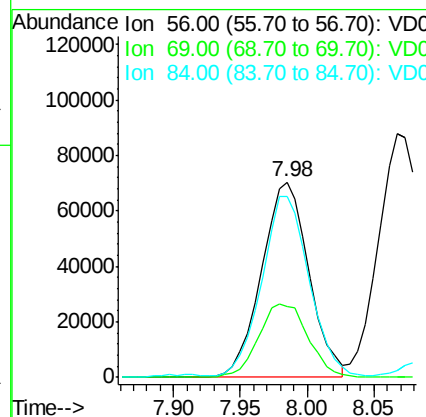
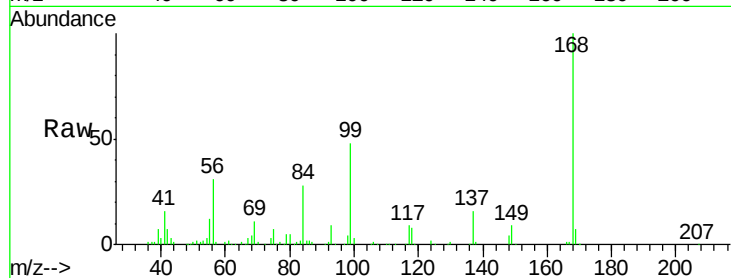
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	173087
Ion	Ratio	Lower	Upper
56	100		
69	36.5	28.3	42.5
84	91.0	73.1	109.7

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#32

1,1,1-Trichloroethane

Concen: 19.460 ug/l

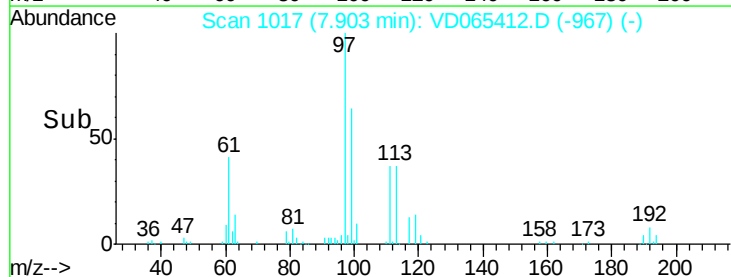
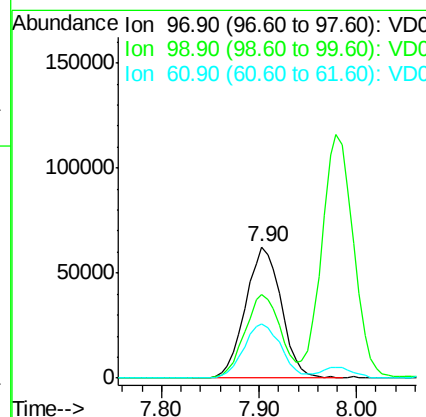
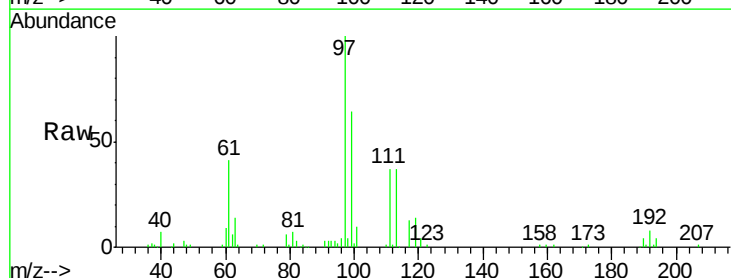
RT: 7.90 min Scan# 1017

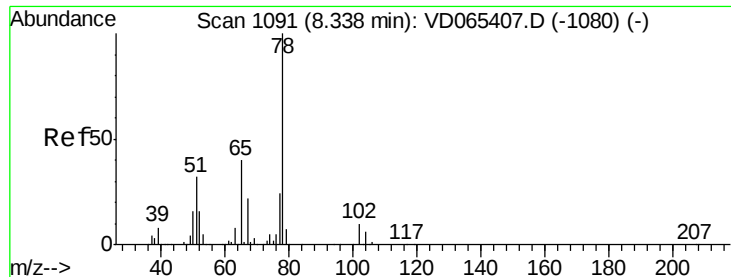
Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:	97	Resp:	159823
Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.9	76.3
61	42.7	33.2	49.8





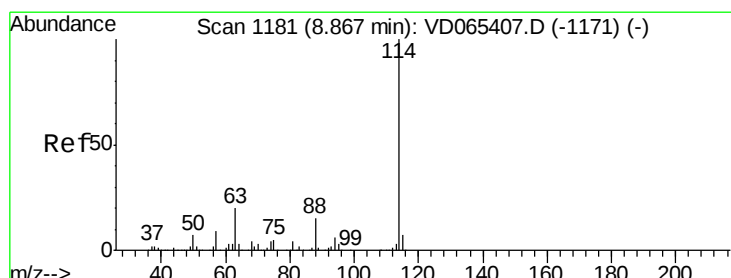
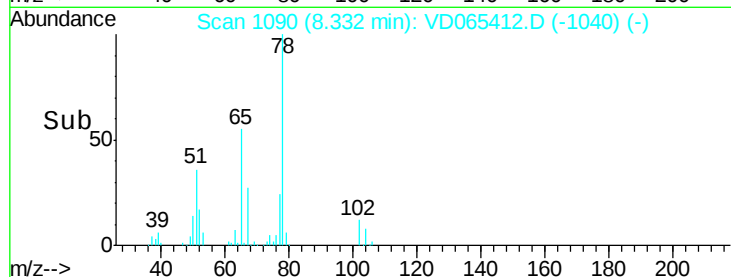
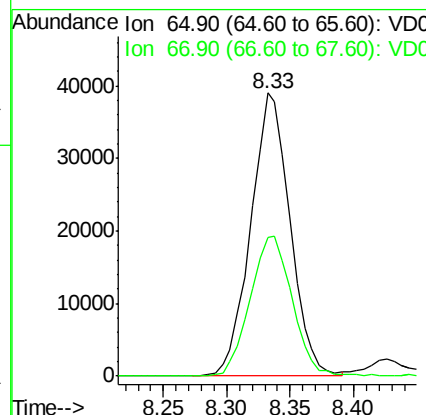
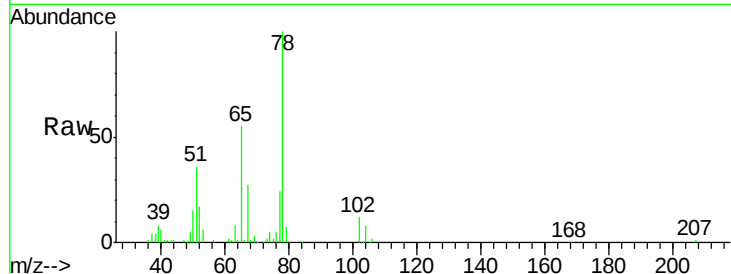
#33
 1,2-Dichloroethane-d4
 Concen: 18.820 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	108.0

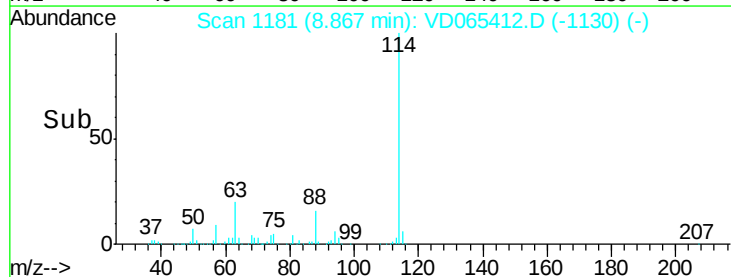
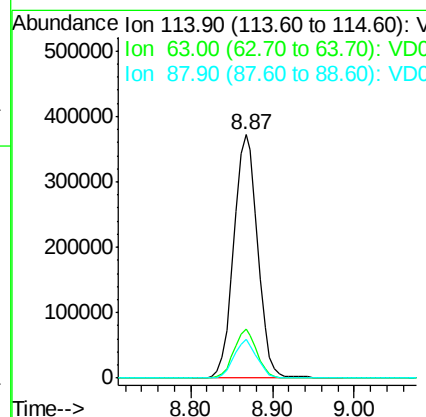
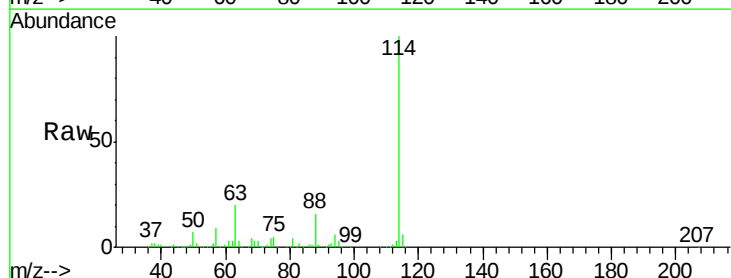
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.6
88	15.7	0.0	30.4





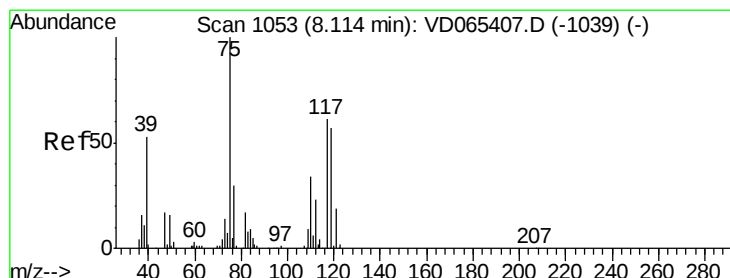
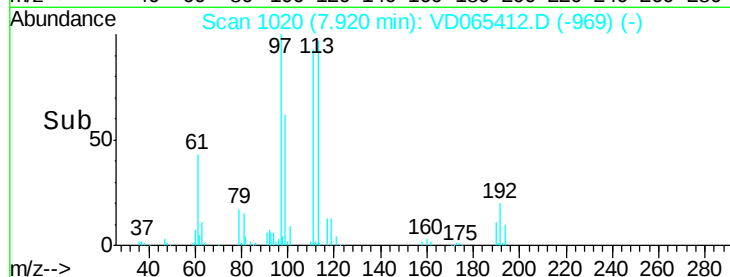
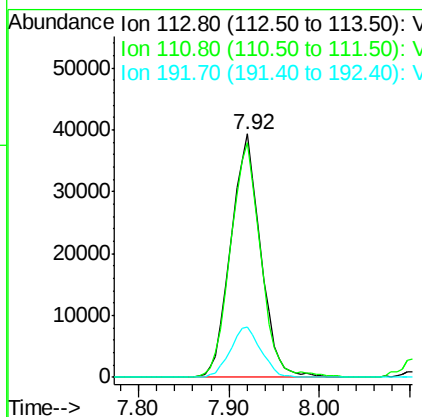
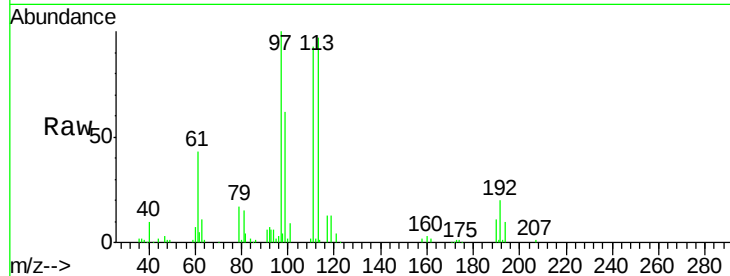
#35
 Dibromofluoromethane
 Concen: 19.213 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	82.1	123.1
192	21.3	17.2	25.8

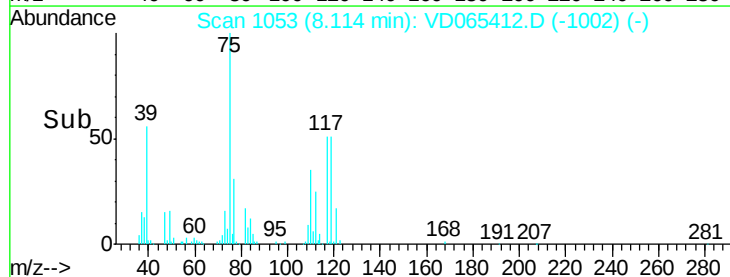
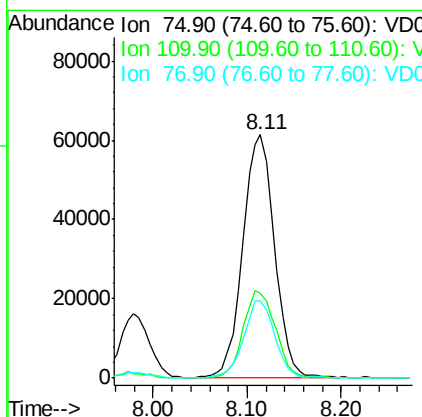
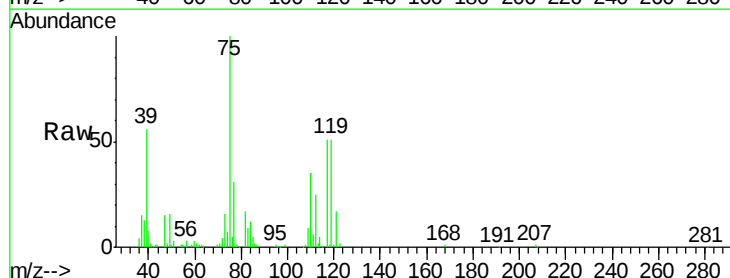
Manual Integrations
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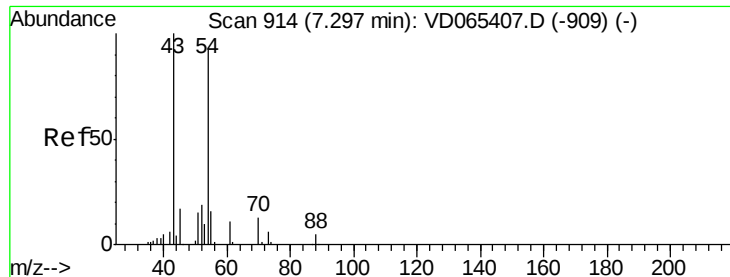
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#36
 1,1-Dichloropropene
 Concen: 19.640 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.1
77	31.9	25.2	37.8





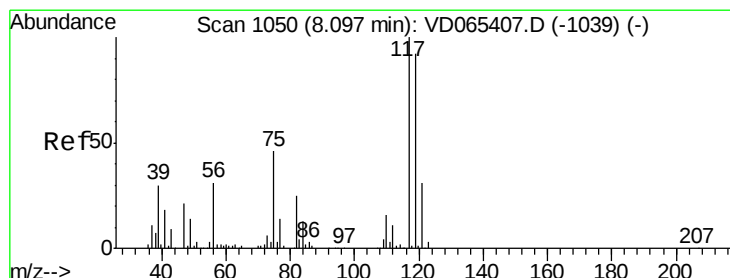
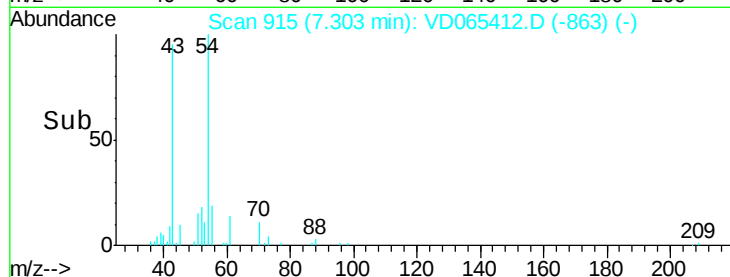
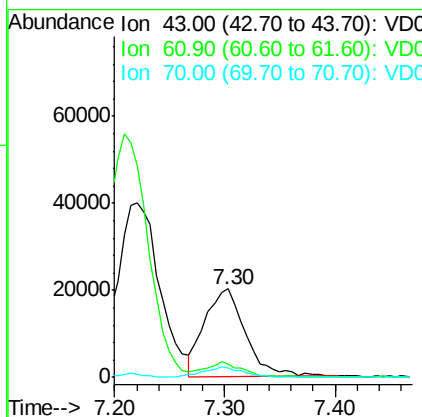
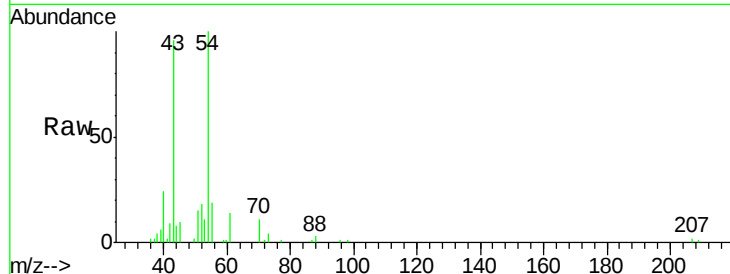
#37
Ethyl Acetate
Concen: 18.039 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.4	17.0
70	11.6	9.0	13.4

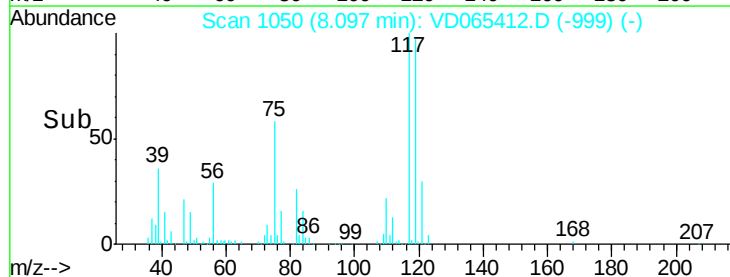
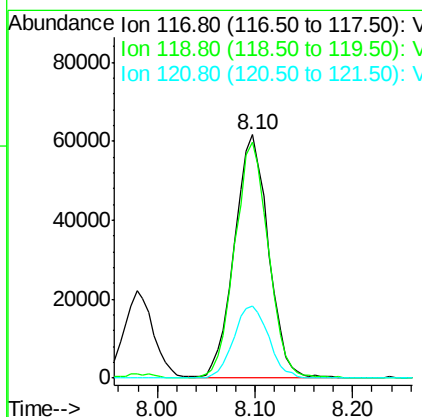
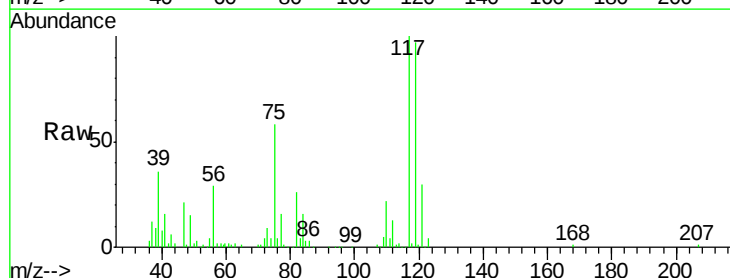
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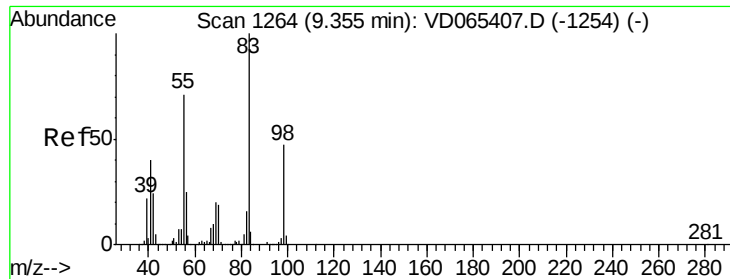
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#38
Carbon Tetrachloride
Concen: 20.085 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	73.3	109.9
121	29.7	25.0	37.4





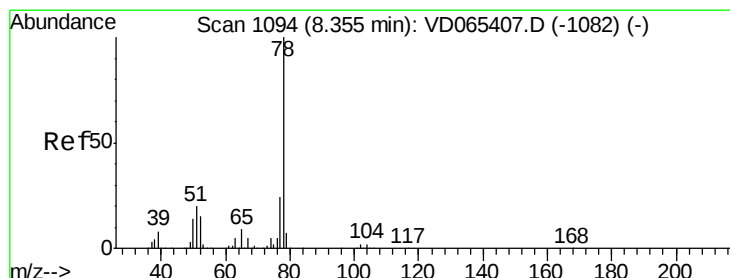
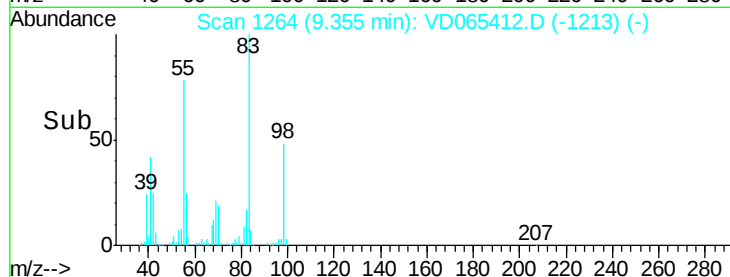
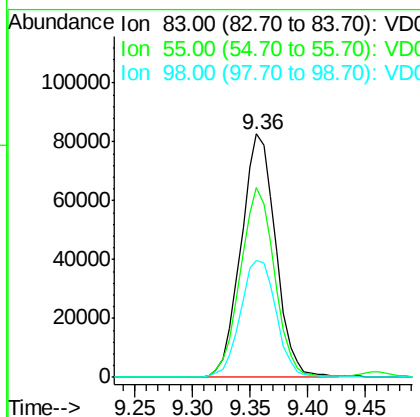
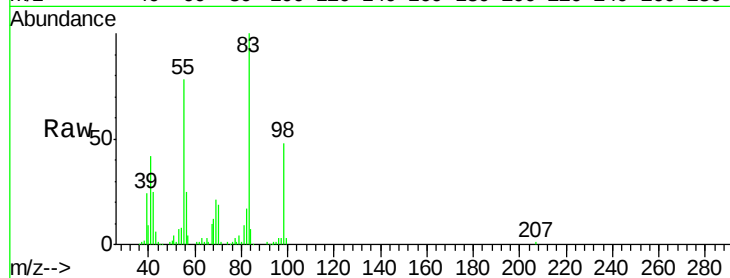
#39
Methylvlcyclohexane
Concen: 19.892 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	57.1	85.7
98	47.8	37.8	56.8

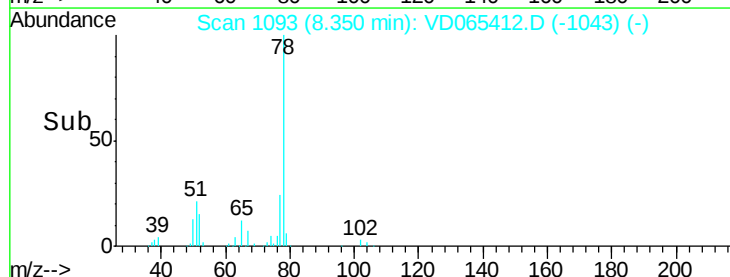
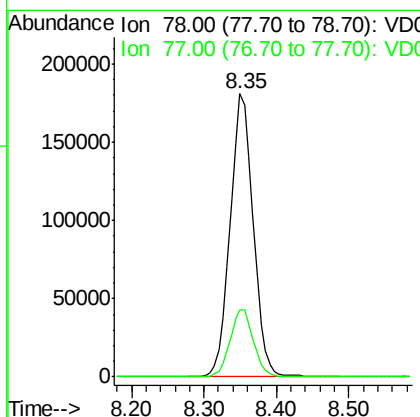
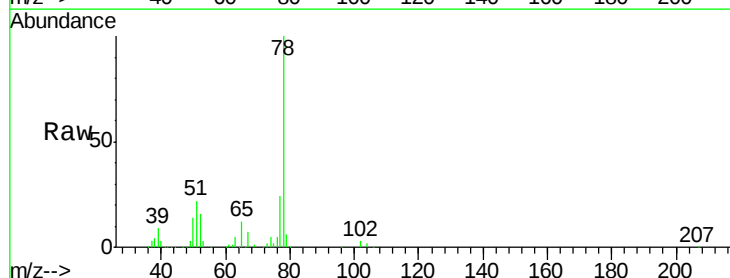
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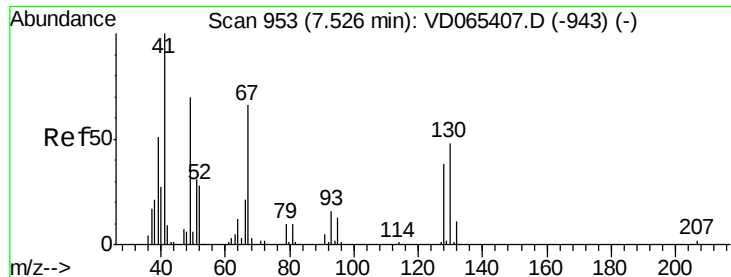
MMDadoda
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#40
Benzene
Concen: 19.677 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





#41

Methacrylonitrile

Concen: 20.264 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 29284

Ion Ratio Lower Upper

41 100

39 38.0 55.0 82.6#

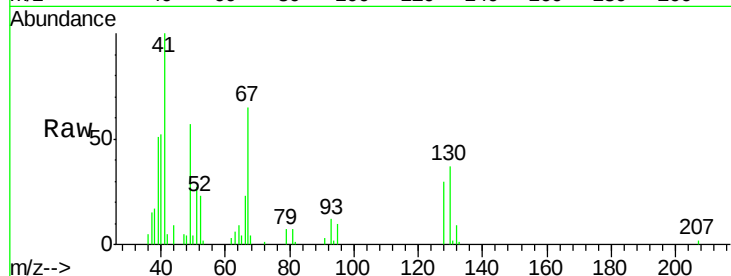
67 71.5 70.3 105.5

52 30.5 30.7 46.1#

Manual Integrations
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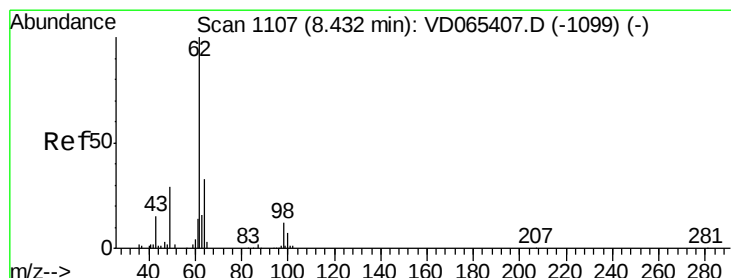
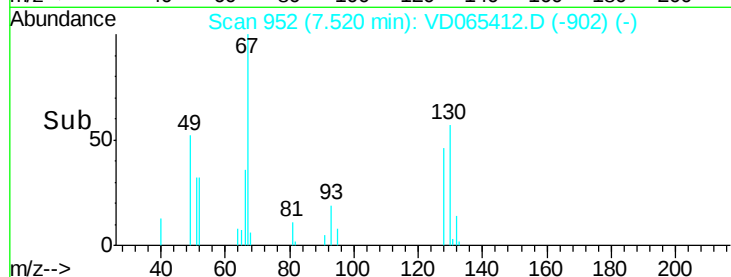
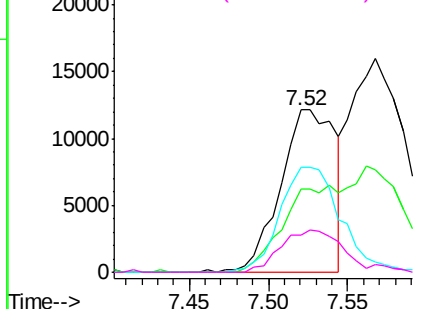


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.091 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065412.D

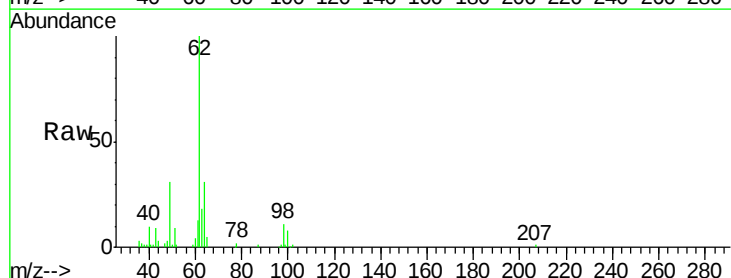
Acq: 04 Mar 2020 15:30

Tgt Ion: 62 Resp: 102318

Ion Ratio Lower Upper

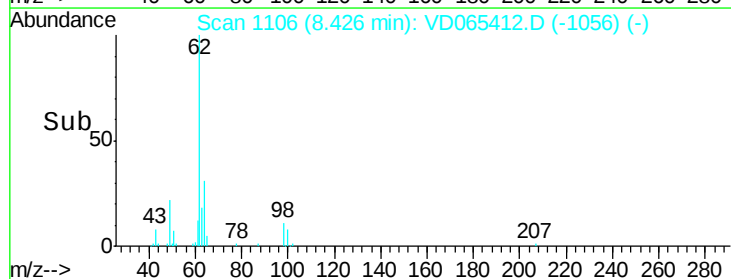
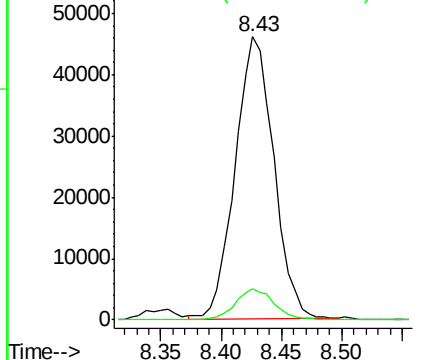
62 100

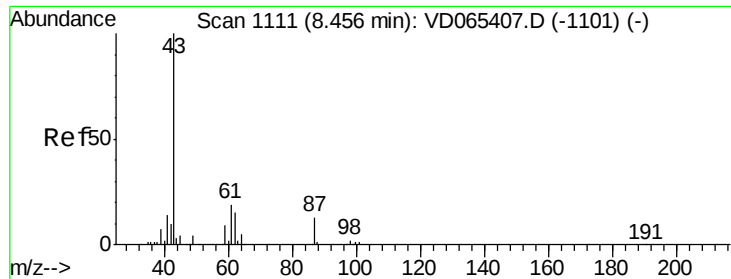
98 10.9 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.512 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

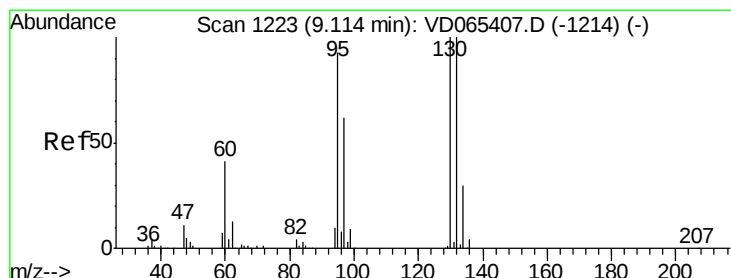
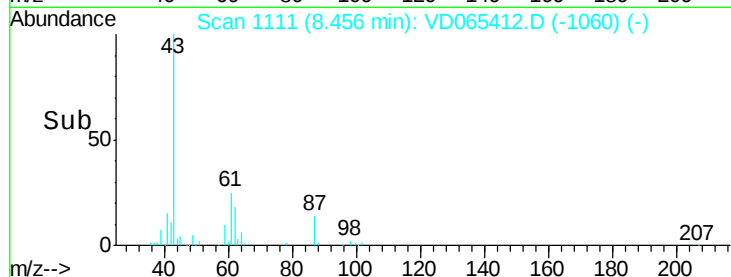
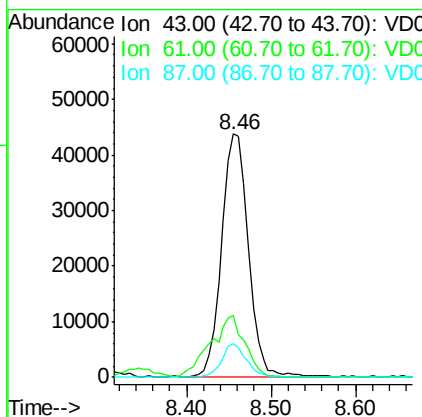
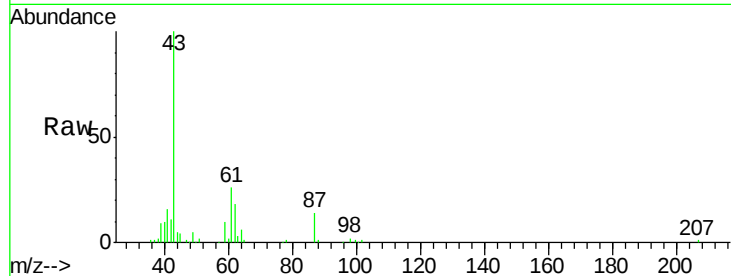
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	96342
Ion	Ratio	Lower	Upper
43	100		
61	32.7	25.0	37.6
87	12.5	11.0	16.4

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 19.939 ug/l

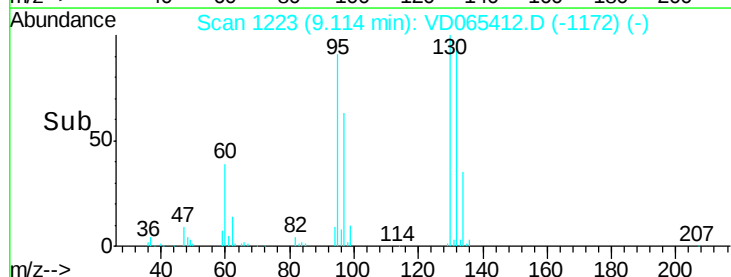
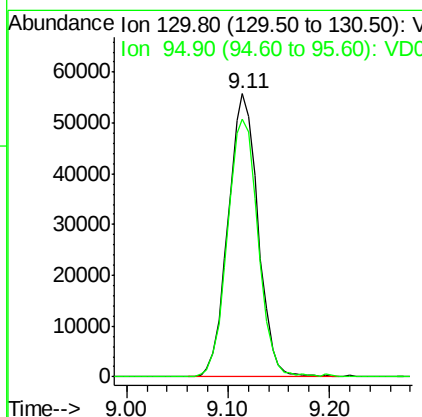
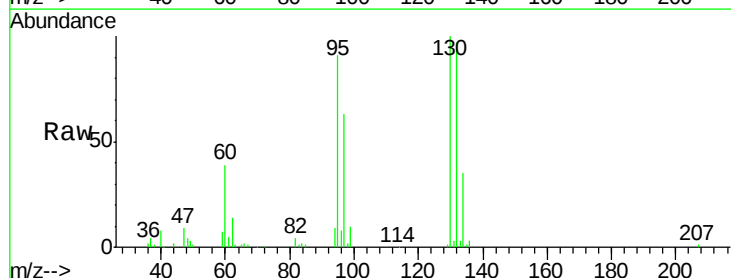
RT: 9.11 min Scan# 1223

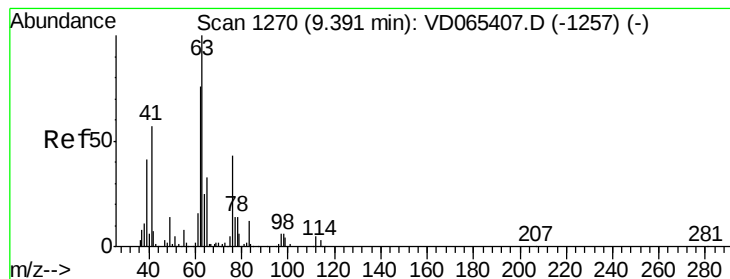
Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:	130	Resp:	114003
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	186.0





#45

1,2-Dichloropropane

Concen: 19.712 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 97506

Ion Ratio Lower Upper

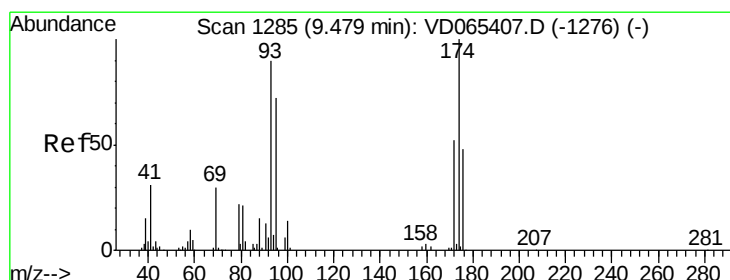
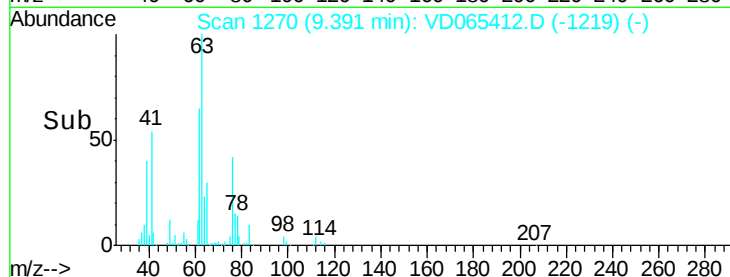
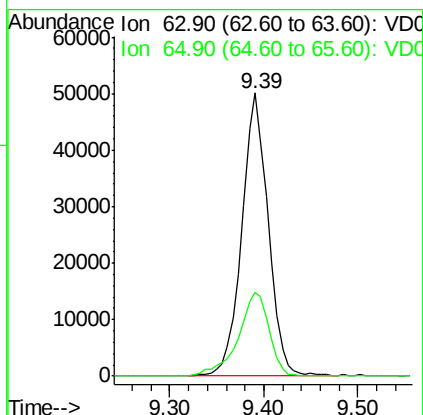
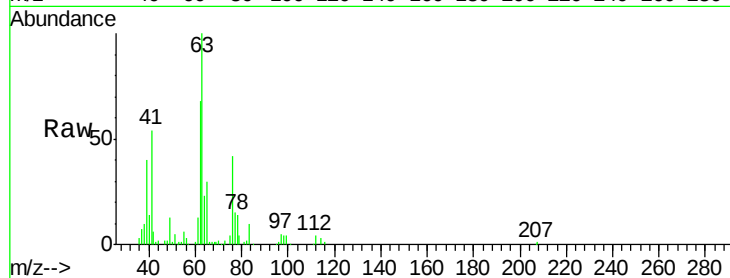
63 100

65 29.5 26.4 39.6

Manual Integrations
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MMDadoda

3/5/2020 1:39:03 PM



#46

Dibromomethane

Concen: 18.989 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

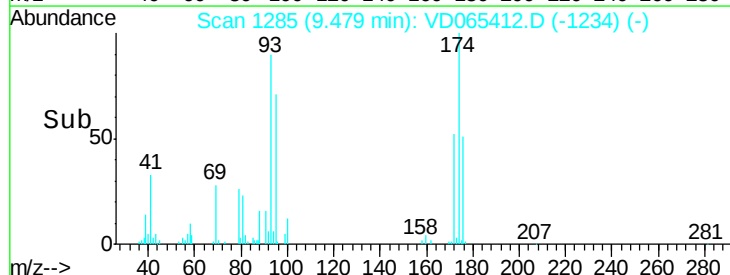
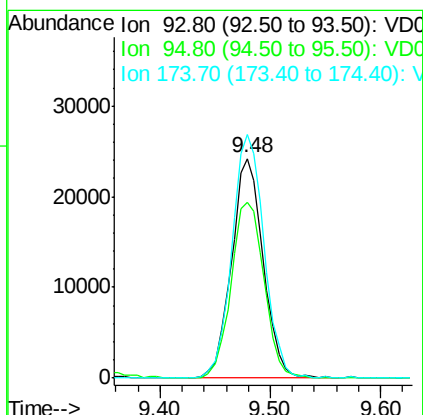
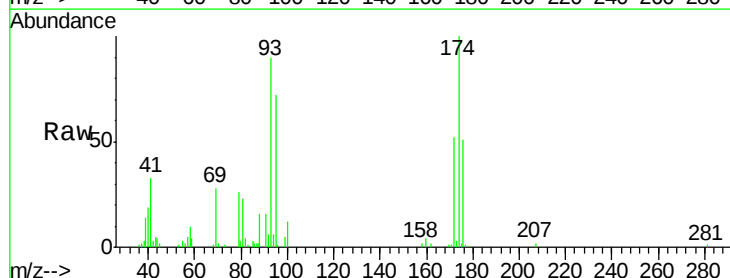
Tgt Ion: 93 Resp: 48839

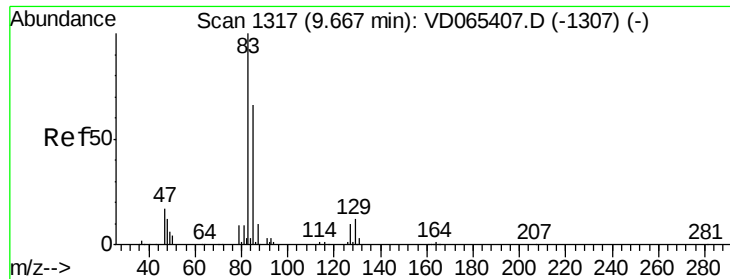
Ion Ratio Lower Upper

93 100

95 83.1 65.0 97.6

174 111.7 88.3 132.5





#47

Bromodichloromethane

Concen: 19.590 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

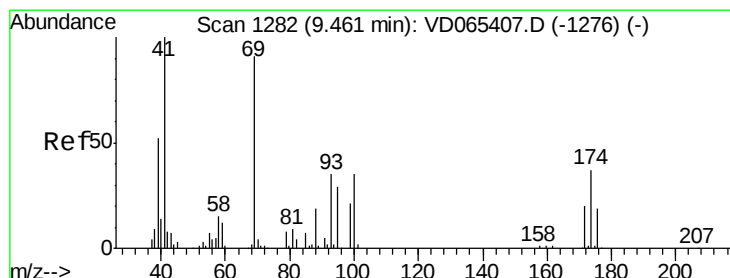
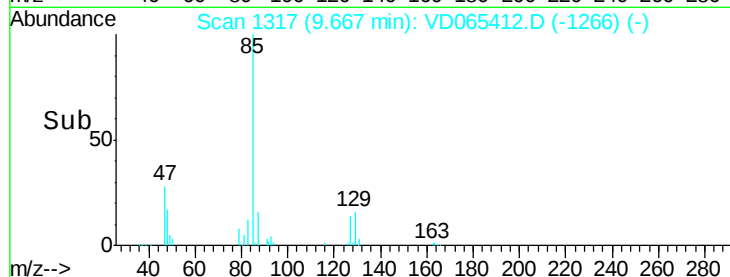
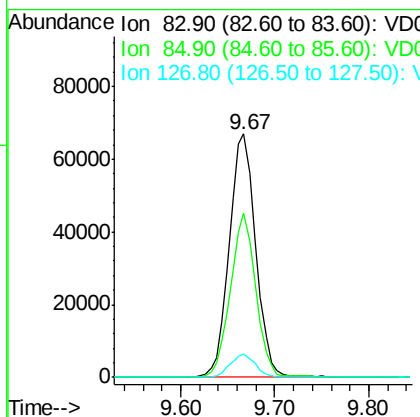
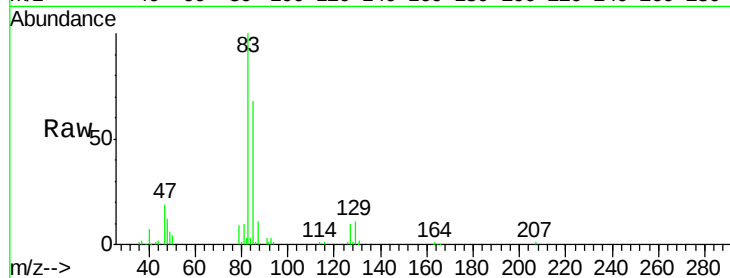
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	130808
Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.8	79.2
127	9.6	8.0	12.0

Manual Integrations
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3/5/2020 1:39:03 PM



#48

Methyl methacrylate

Concen: 17.845 ug/l

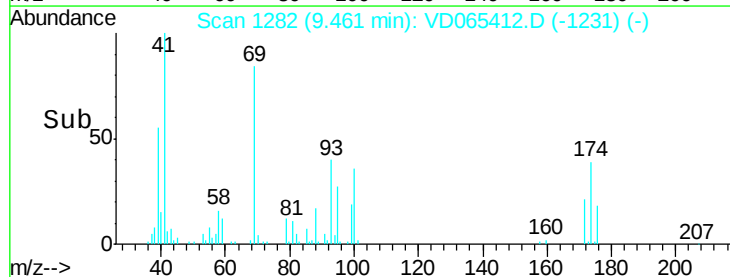
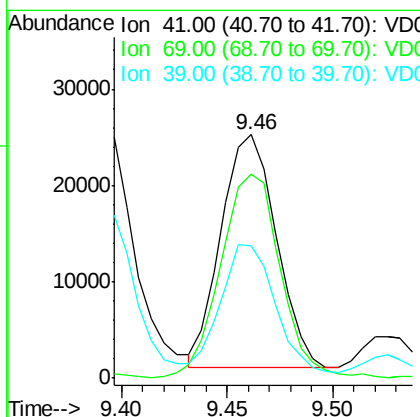
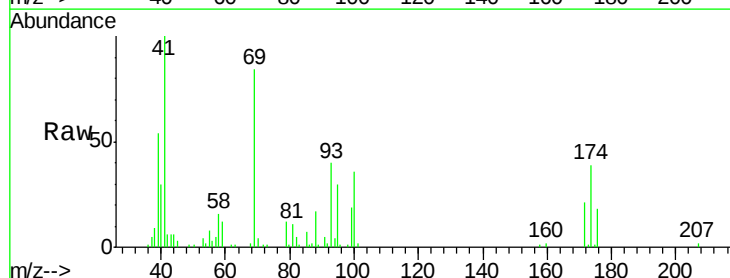
RT: 9.46 min Scan# 1282

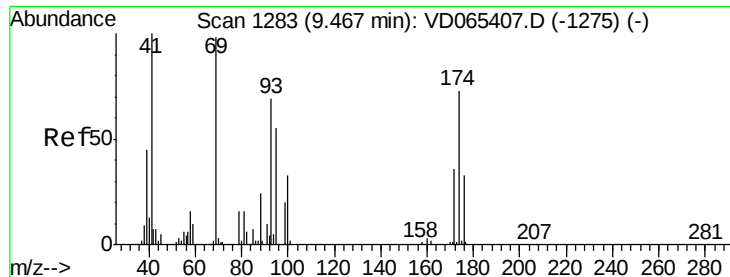
Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:	41	Resp:	43932
Ion	Ratio	Lower	Upper
41	100		
69	94.9	72.5	108.7
39	54.5	41.6	62.4





#49

1,4-Dioxane

Concen: 364.871 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

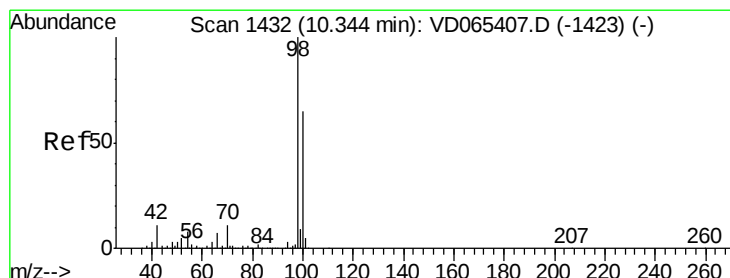
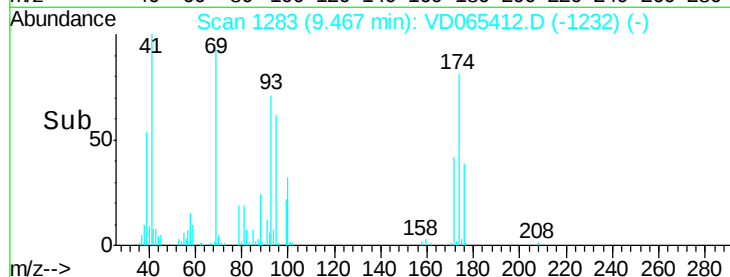
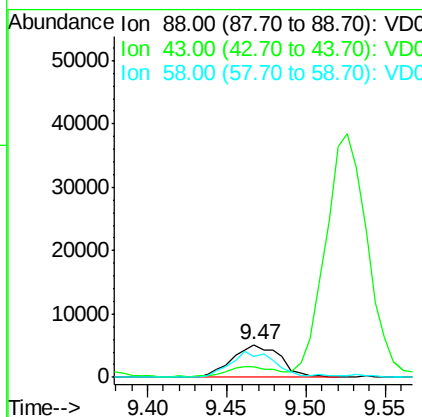
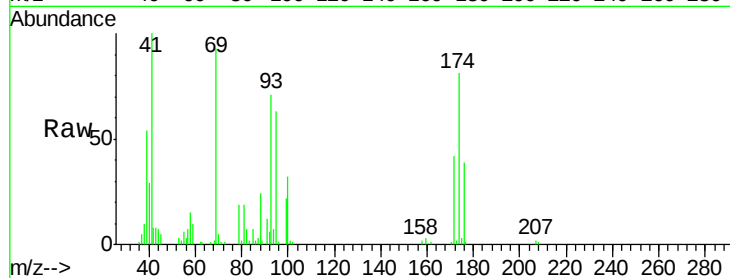
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	10802
Ion	Ratio	Lower	Upper
88	100		
43	32.4	24.5	36.7
58	74.0	54.5	81.7

Manual Integrations
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#50

Toluene-d8

Concen: 19.294 ug/l

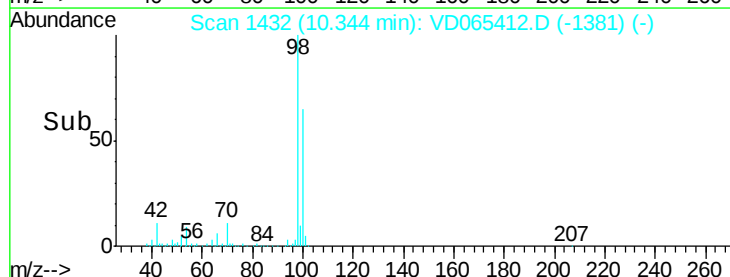
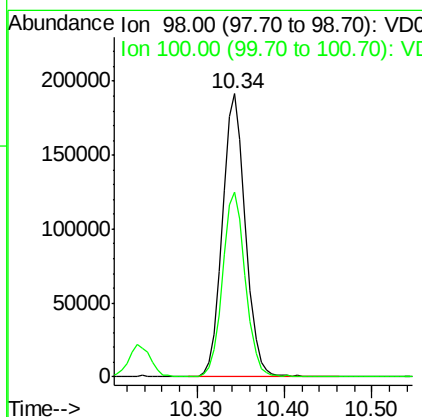
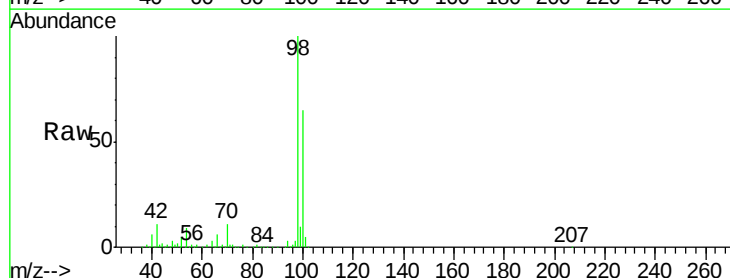
RT: 10.34 min Scan# 1432

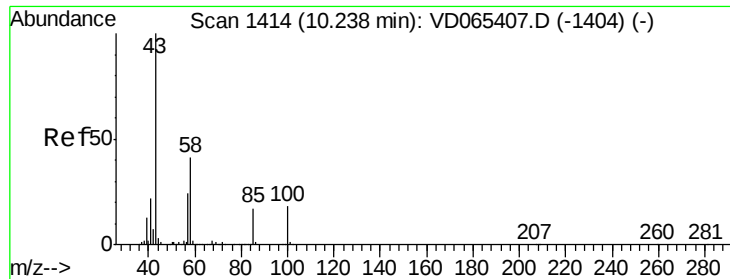
Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:	98	Resp:	347059
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.8	79.2





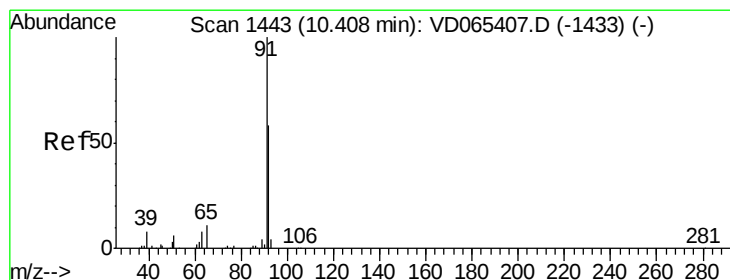
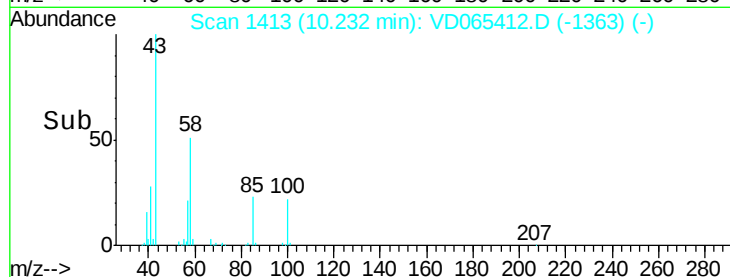
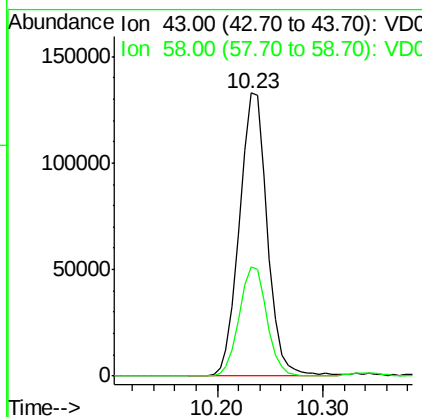
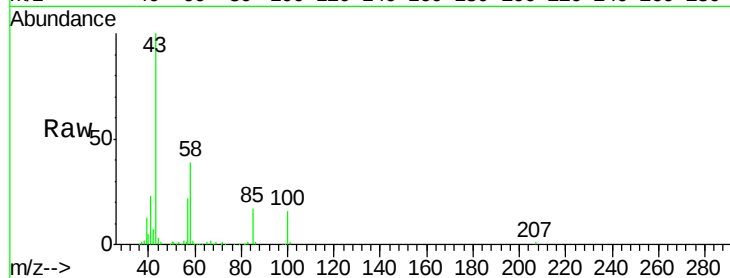
#51
4-Methyl-2-Pentanone
Concen: 92.372 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.8	47.6

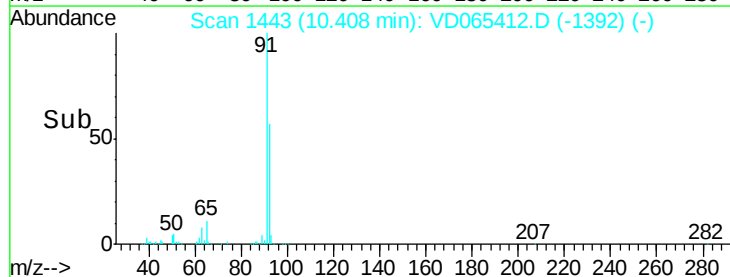
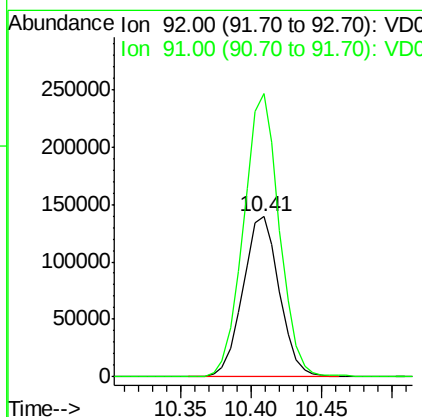
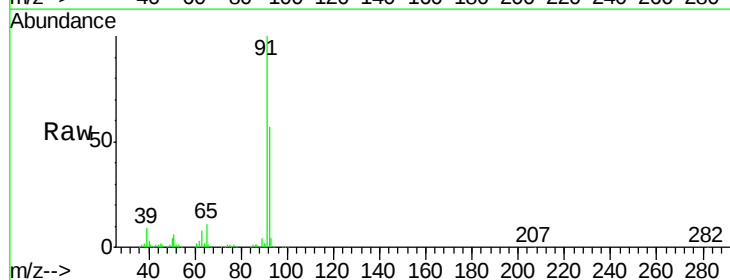
Manual Integrations
APPROVED

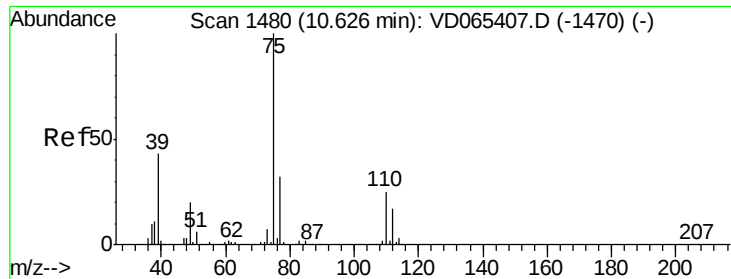
MMDadoda
3/5/2020 1:39:03 PM



#52
Toluene
Concen: 19.591 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	137.8	206.8





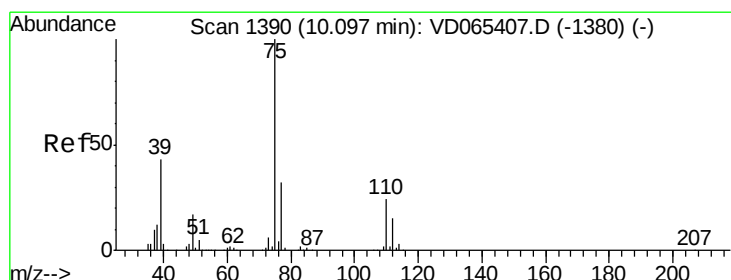
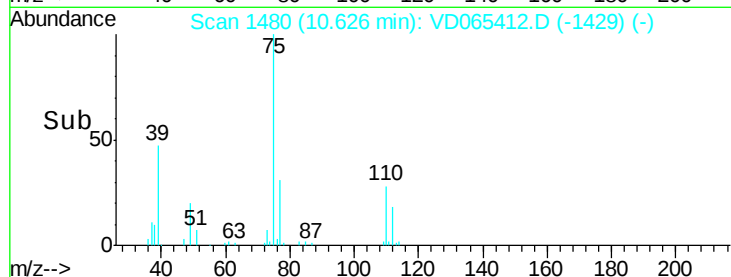
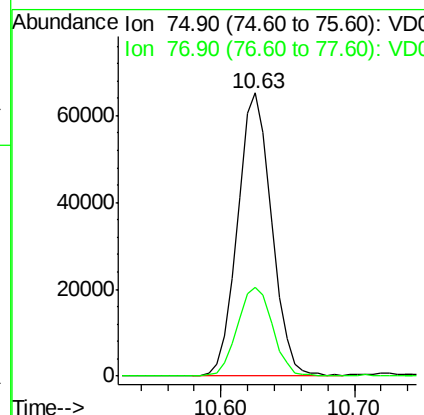
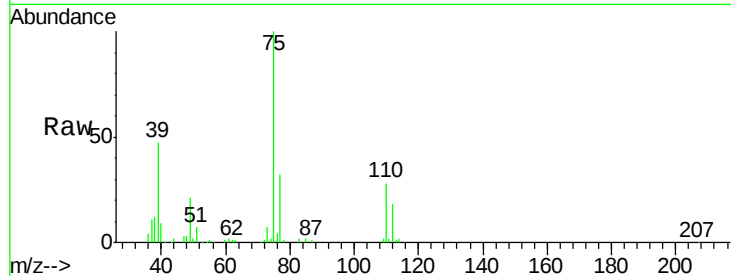
#53
t-1,3-Dichloropropene
Concen: 18.336 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

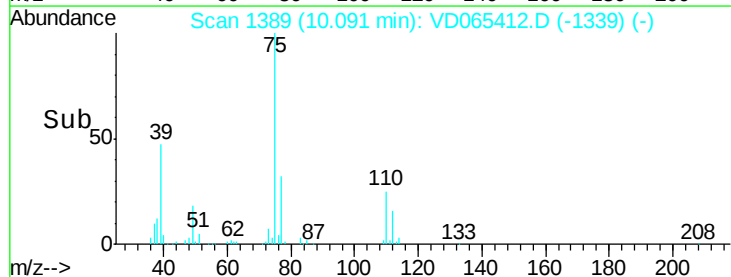
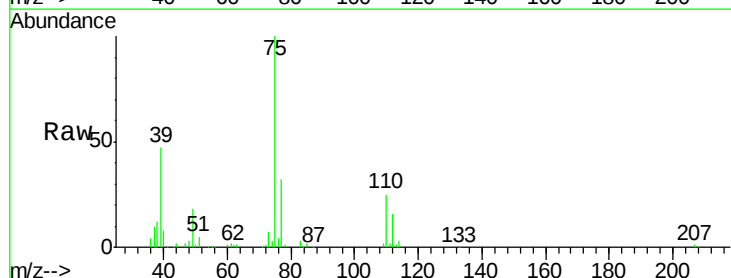
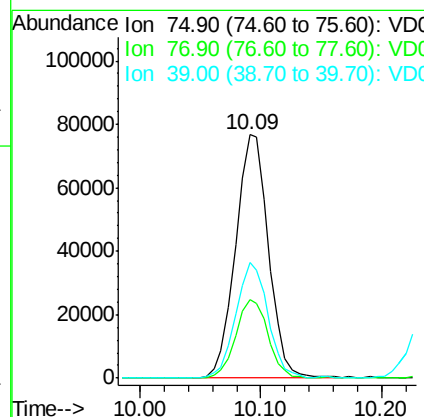
Manual Integrations
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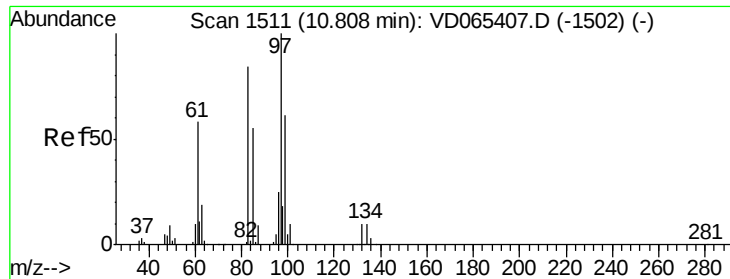
MMDadoda
3/5/2020 1:39:03 PM



#54
cis-1,3-Dichloropropene
Concen: 19.138 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	47.1	34.6	52.0





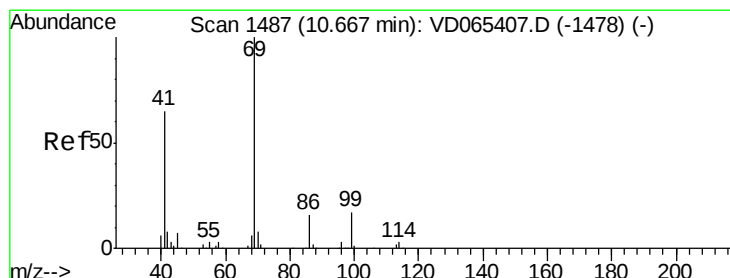
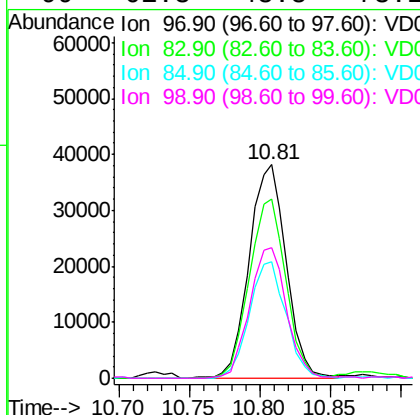
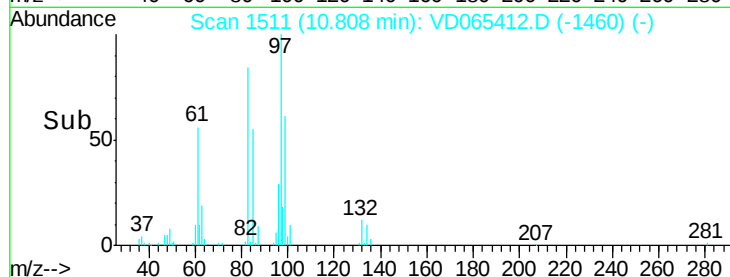
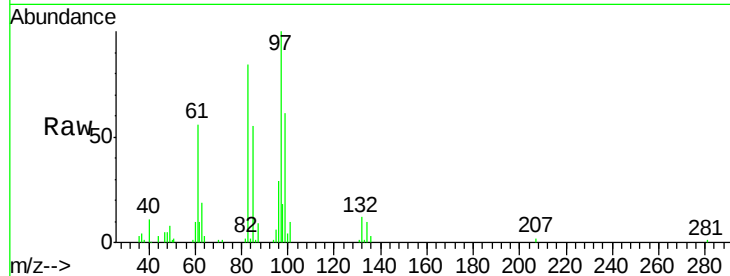
#55
 1,1,2-Trichloroethane
 Concen: 19.355 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	70403
Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.4	101.0
85	54.7	43.8	65.8
99	61.3	48.8	73.2

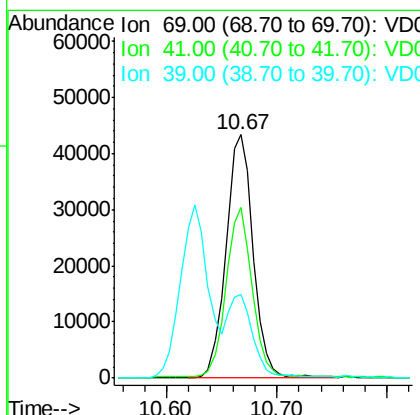
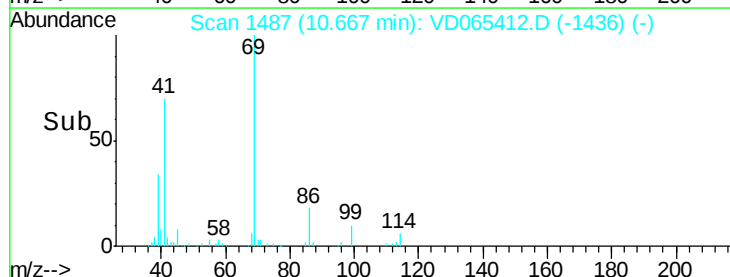
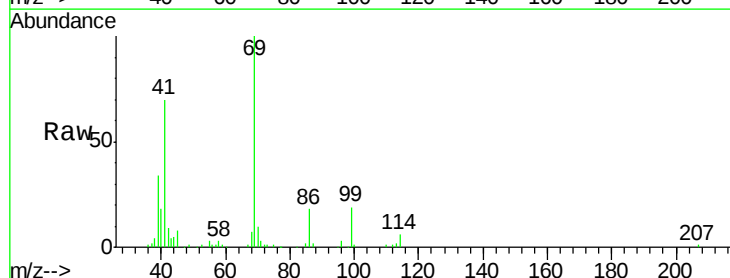
Manual Integrations
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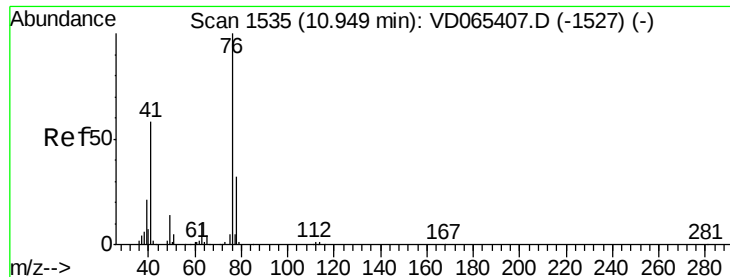
MMDadoda
 3/5/2020 1:39:03 PM



#56
 Ethyl methacrylate
 Concen: 18.172 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion:	69	Resp:	74940
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.0	79.6
39	30.5	26.0	39.0





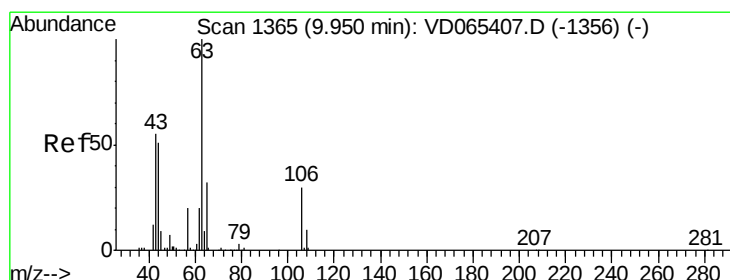
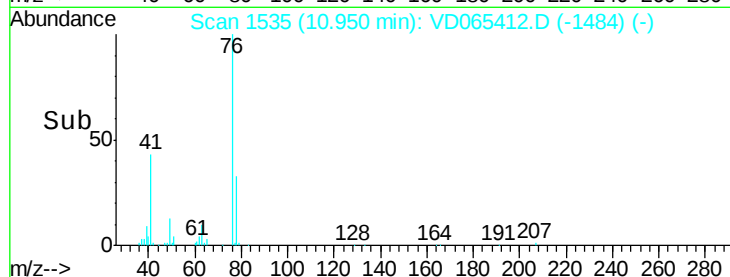
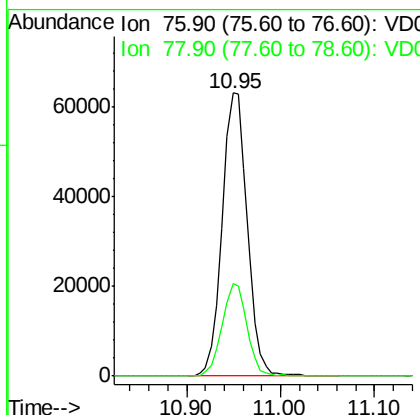
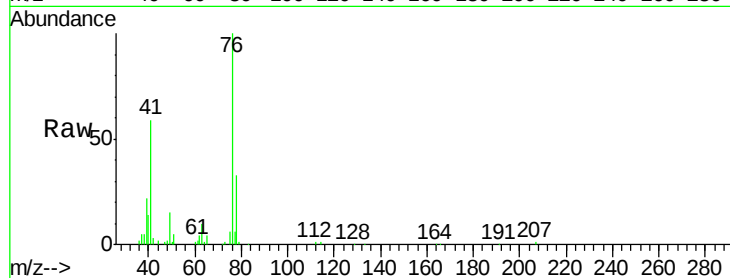
#57
 1,3-Dichloropropane
 Concen: 19.039 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

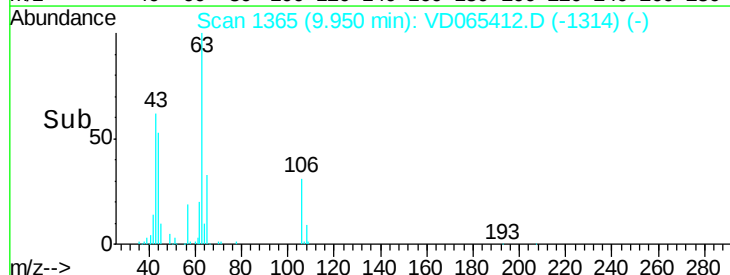
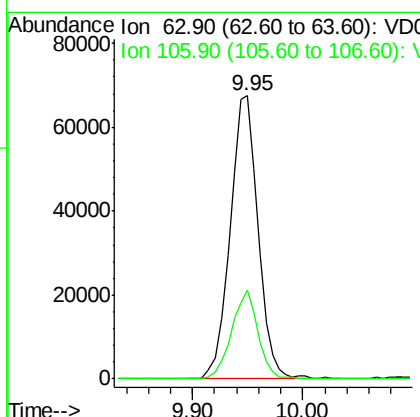
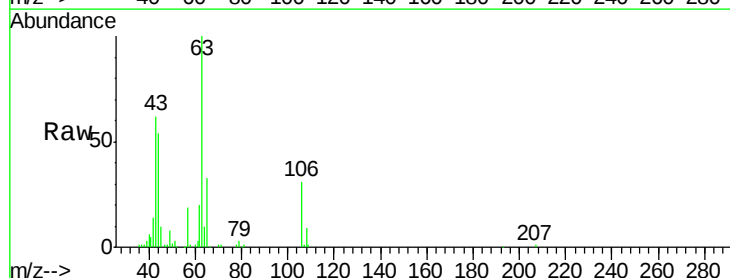
Manual Integrations
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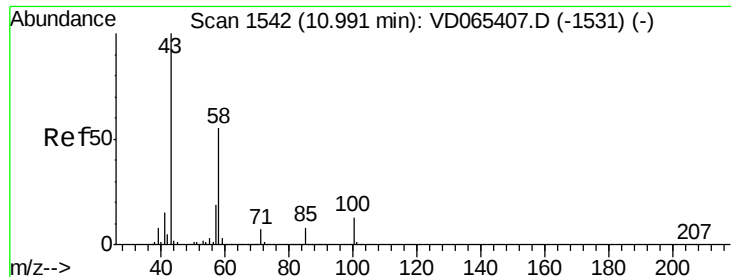
MMDadoda
 3/5/2020 1:39:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.872 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.3	34.9





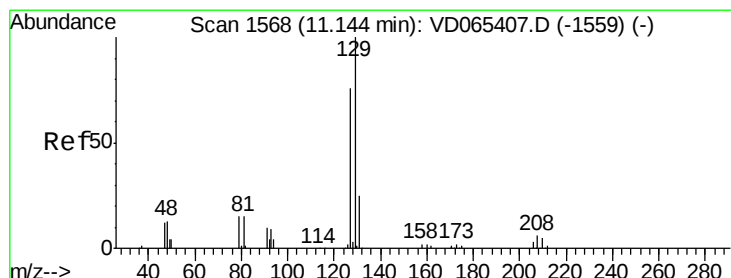
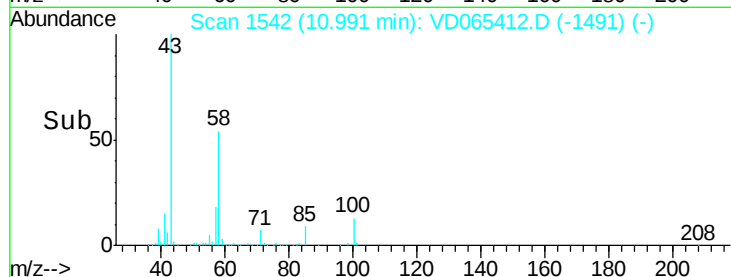
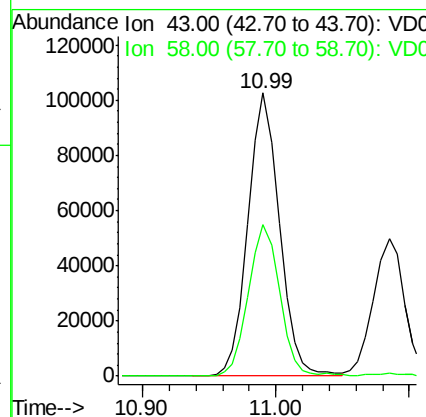
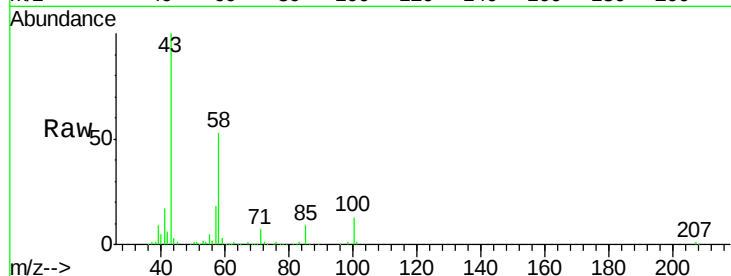
#59
2-Hexanone
Concen: 91.613 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 167155
Ion Ratio Lower Upper
43 100
58 53.5 27.4 82.2

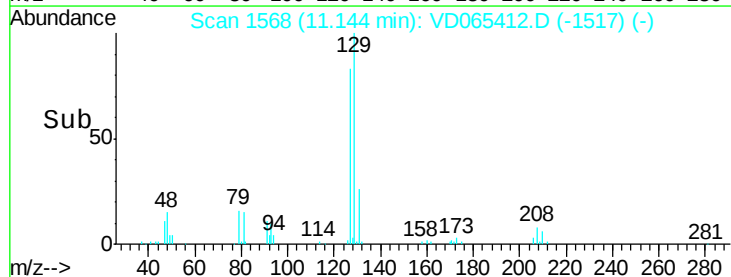
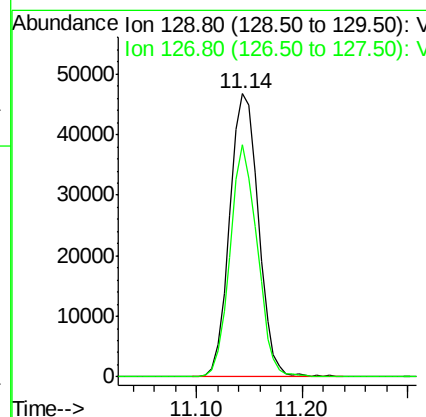
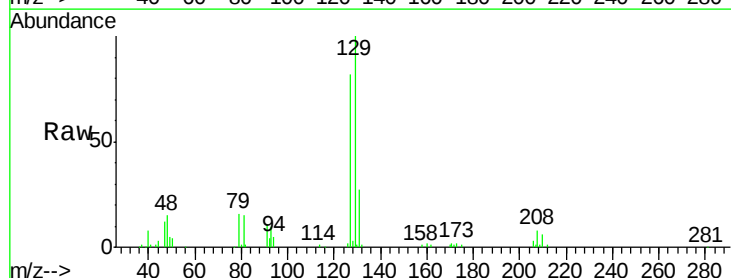
Manual Integrations
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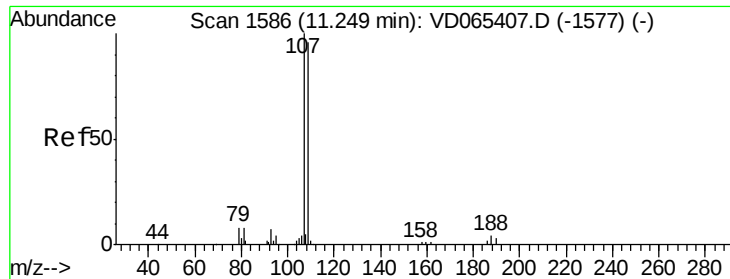
MMDadoda
3/5/2020 1:39:03 PM



#60
Dibromochloromethane
Concen: 18.813 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 129 Resp: 88114
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





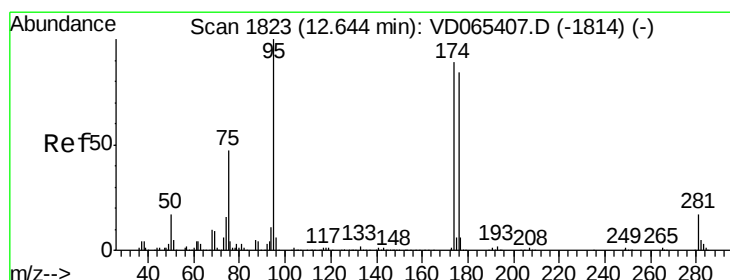
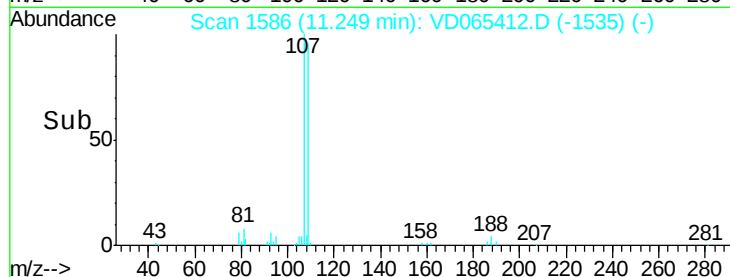
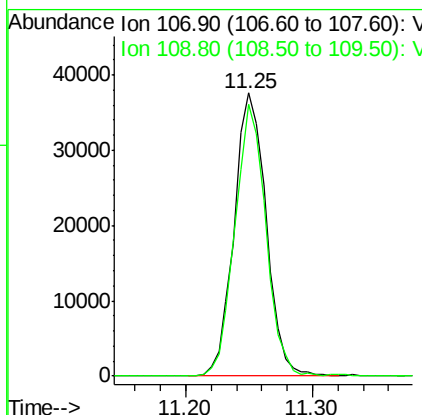
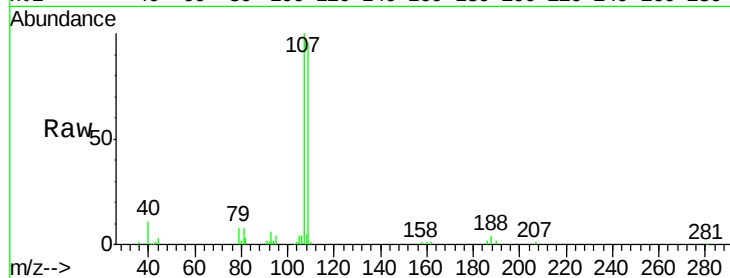
#61
 1,2-Dibromoethane
 Concen: 18.932 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 65770
 Ion Ratio Lower Upper
 107 100
 109 92.7 76.8 115.2

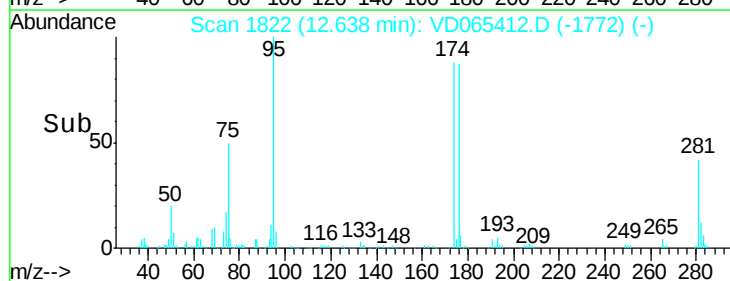
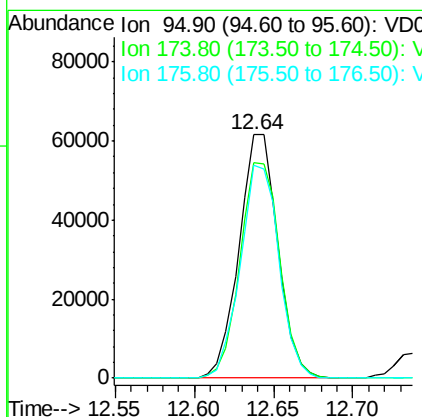
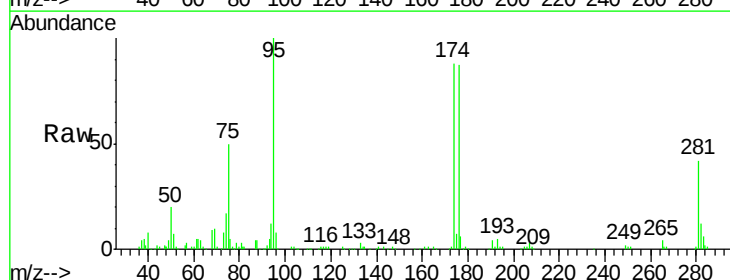
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 18.619 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion: 95 Resp: 104658
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 176.8
 176 87.3 0.0 171.4





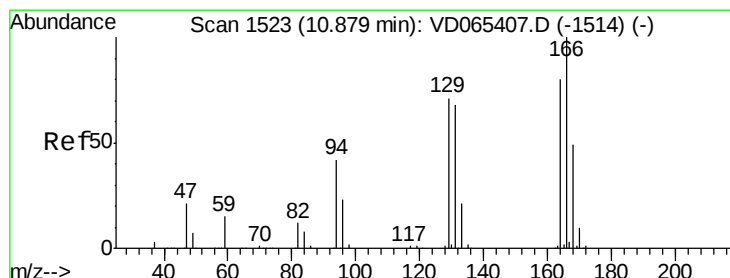
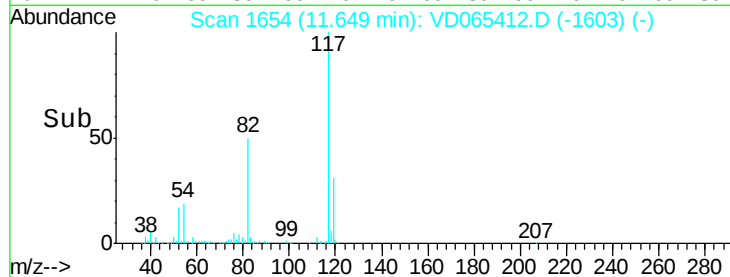
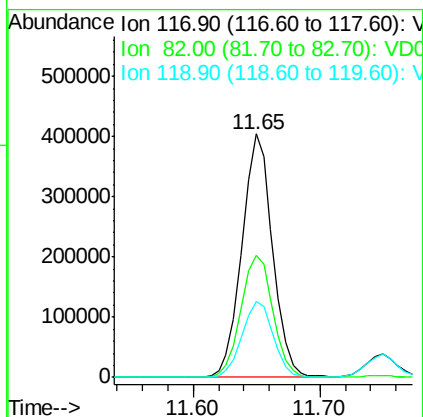
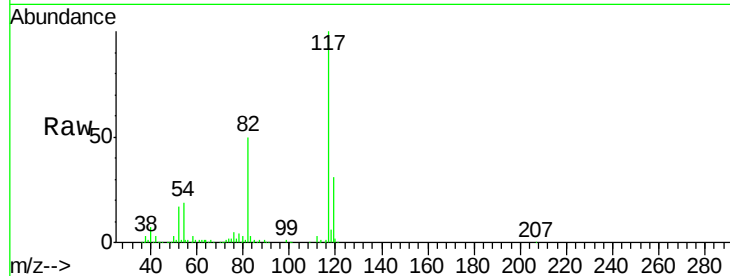
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	40.6	60.8
119	31.4	25.4	38.2

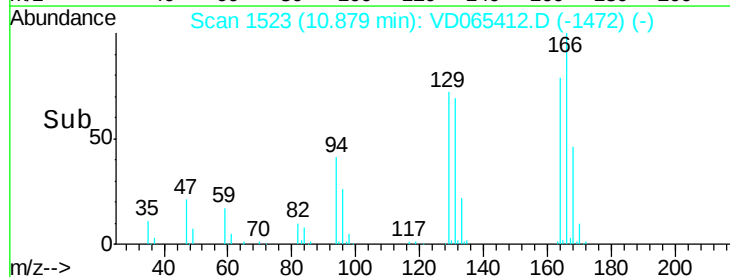
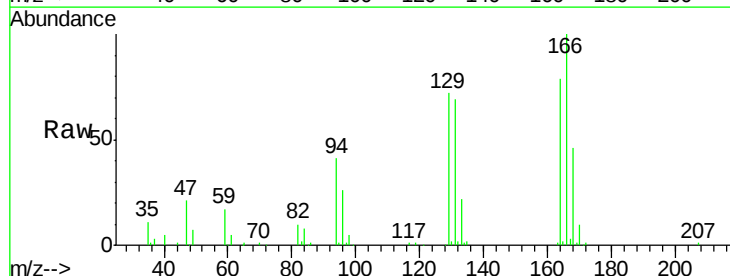
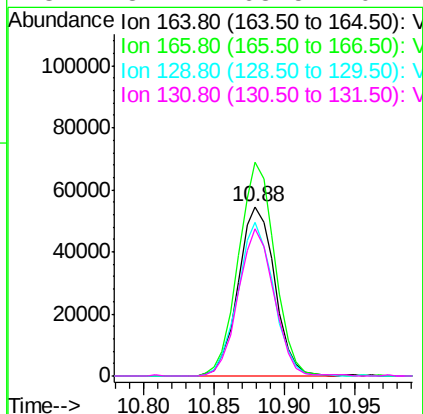
Manual Integrations
APPROVED

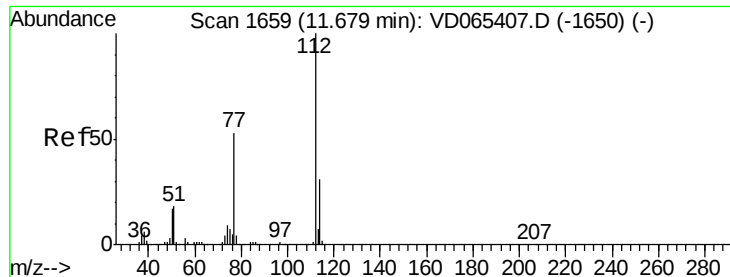
MMDadoda
3/5/2020 1:39:03 PM



#64
Tetrachloroethene
Concen: 20.297 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	100.5	150.7
129	91.1	71.5	107.3
131	87.4	68.5	102.7





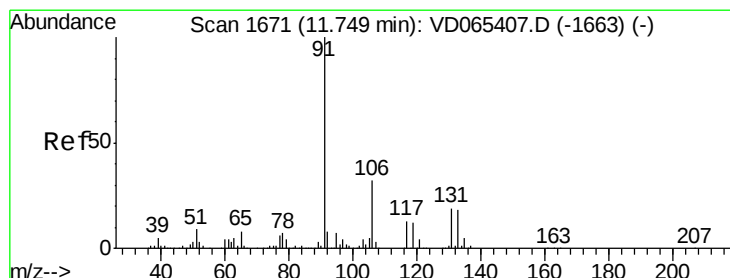
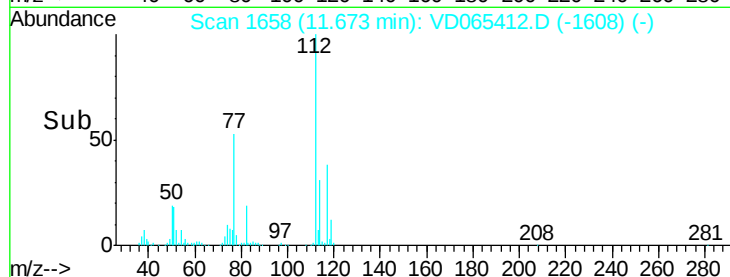
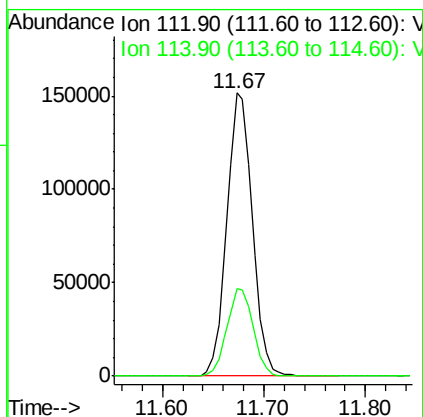
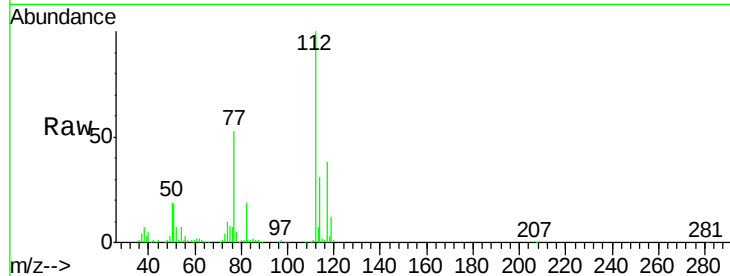
#65
Chlorobenzene
Concen: 19.642 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 264701
Ion Ratio Lower Upper
112 100
114 31.1 24.4 36.6

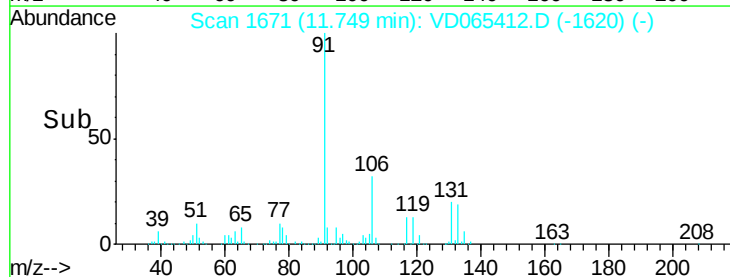
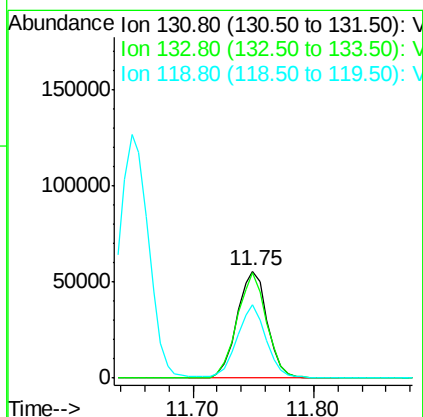
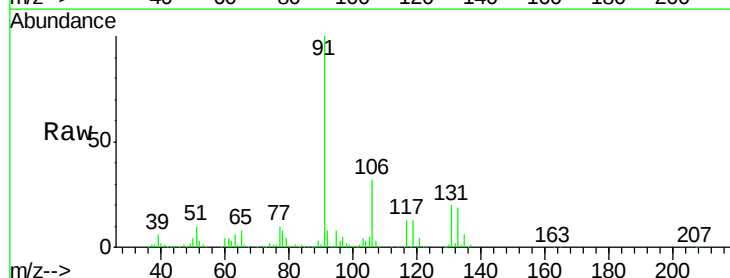
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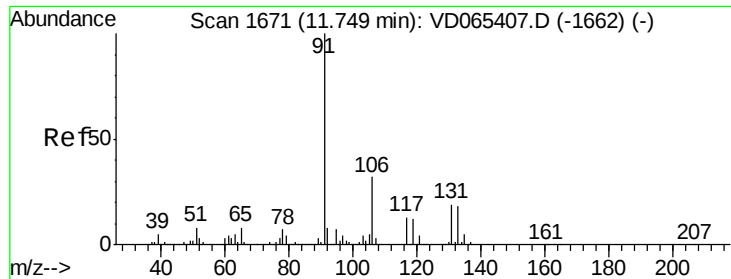
MMDadoda
3/5/2020 1:39:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.724 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion:131 Resp: 97044
Ion Ratio Lower Upper
131 100
133 96.8 49.2 147.6
119 66.8 33.3 99.8





#67

Ethyl Benzene

Concen: 19.873 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 461684

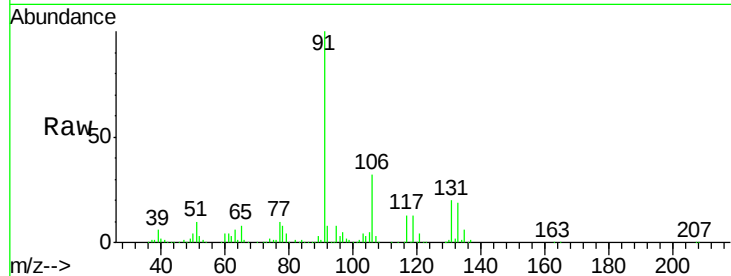
Ion Ratio Lower Upper

91 100

106 32.3 25.2 37.8

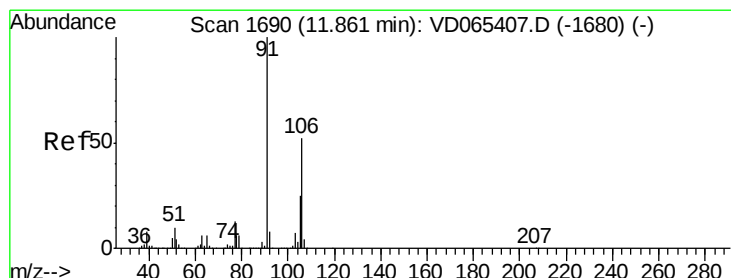
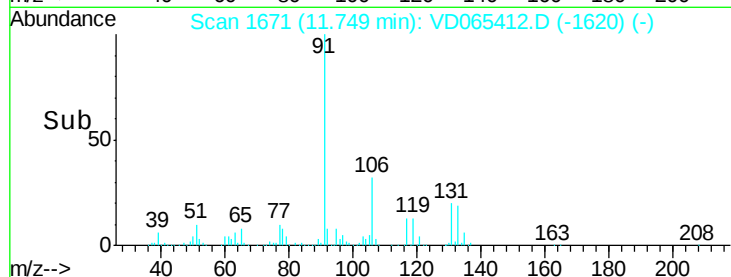
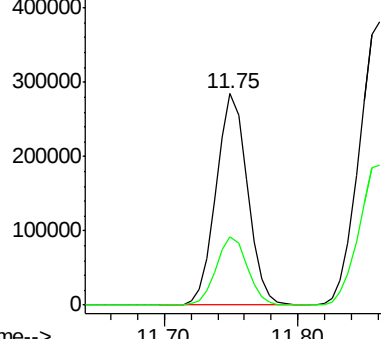
Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 40.402 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065412.D

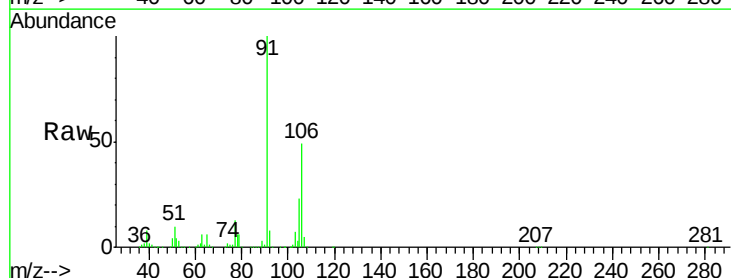
Acq: 04 Mar 2020 15:30

Tgt Ion: 106 Resp: 361858

Ion Ratio Lower Upper

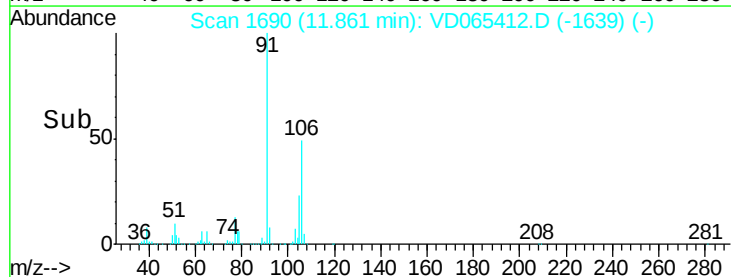
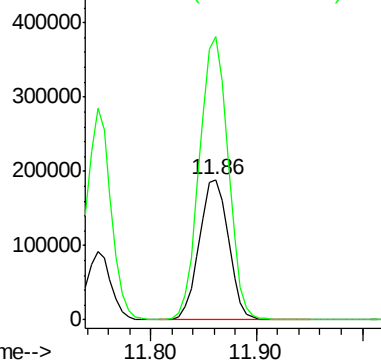
106 100

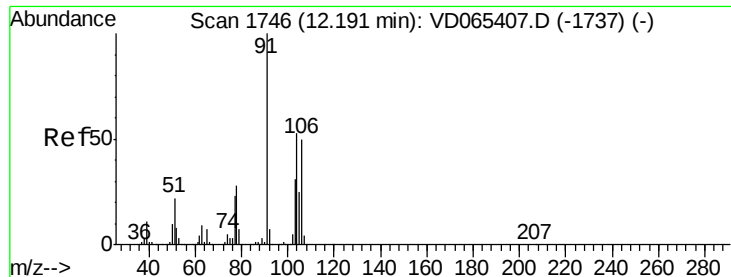
91 198.9 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





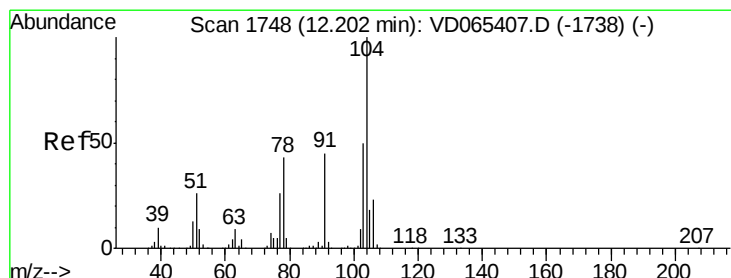
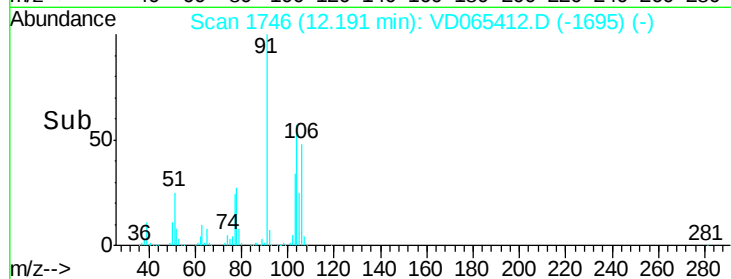
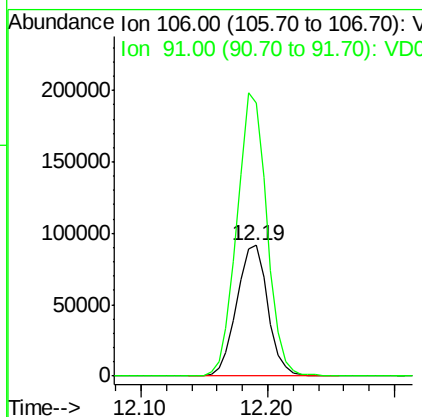
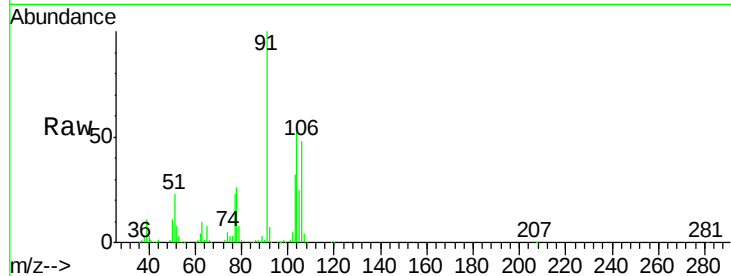
#69
o-Xylene
Concen: 19.891 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	207.3	103.5	310.3	

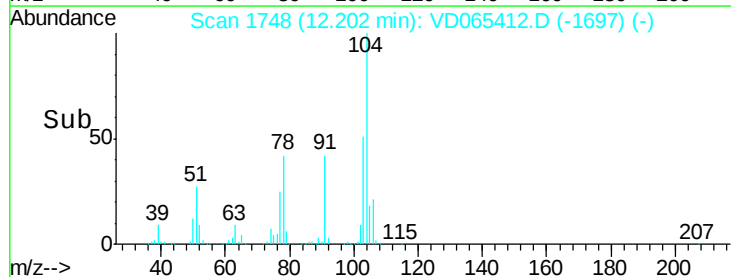
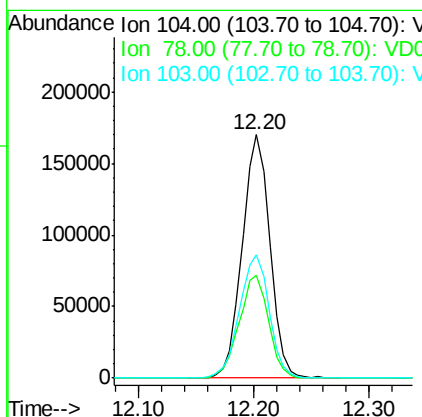
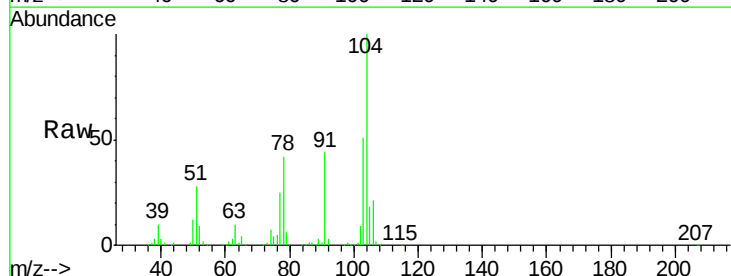
Manual Integrations
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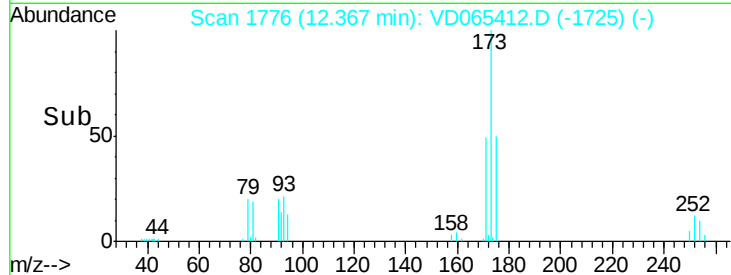
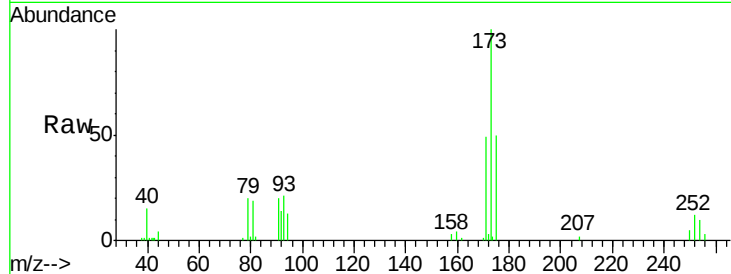
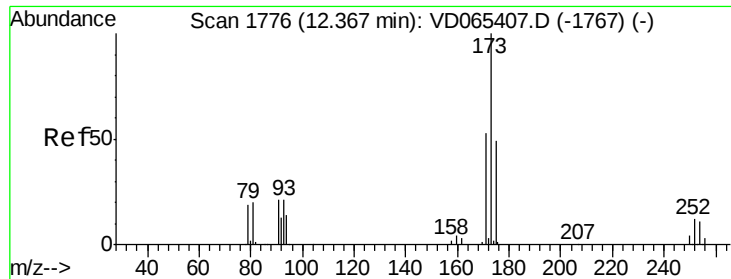
MMDadoda
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#70
Styrene
Concen: 20.365 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	45.1	37.7	56.5	
103	54.7	43.6	65.4	





#71

Bromoform

Concen: 18.960 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tot Ion:173	Resp:	52624
Ion Ratio	Lower	Upper
173 100		
175 47.5	24.3	73.0
254 0.0	0.1	0.1#

Instrument :

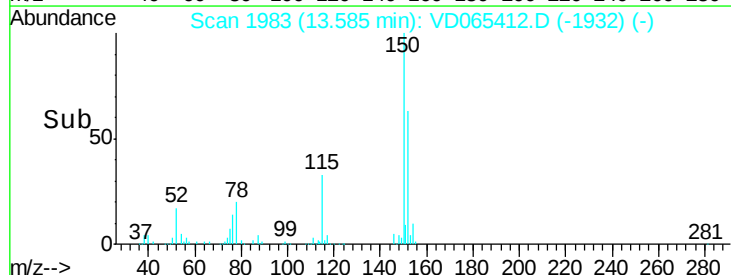
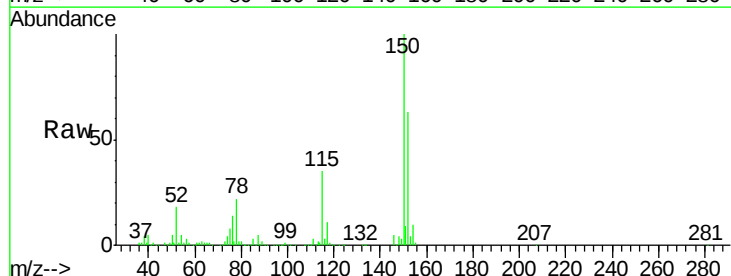
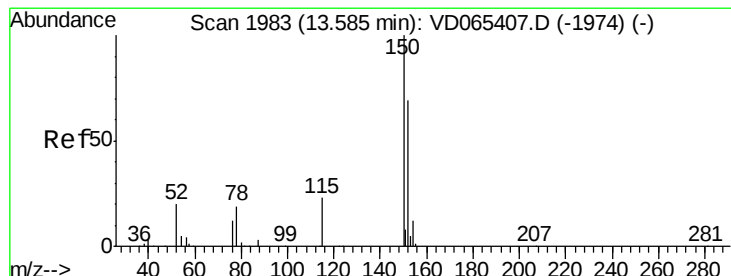
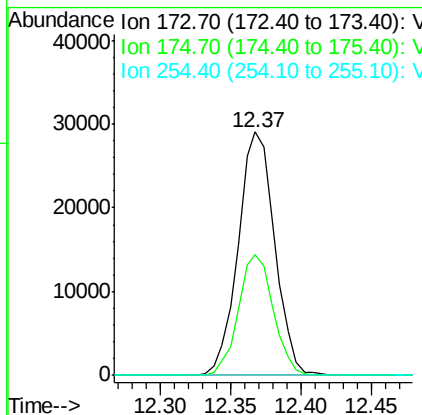
MSVOA_D

ClientSampleId :

VSTDIC020

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

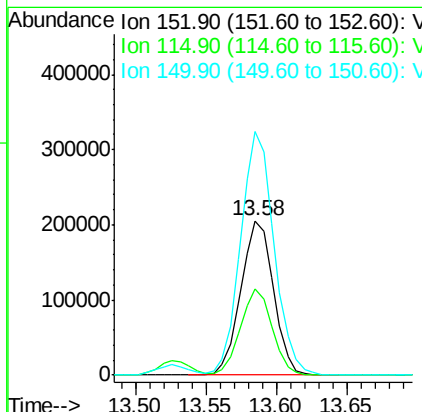
RT: 13.58 min Scan# 1983

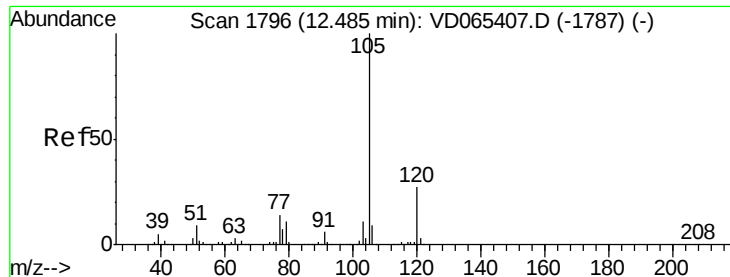
Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:152	Resp:	333783
Ion Ratio	Lower	Upper
152 100		
115 54.3	27.6	82.8
150 161.5	0.0	345.0





#73

Isopropylbenzene

Concen: 19.875 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 435691

Ion Ratio Lower Upper

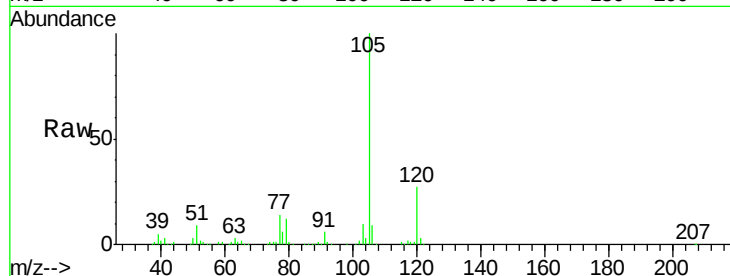
105 100

120 27.0 13.5 40.4

Manual Integrations
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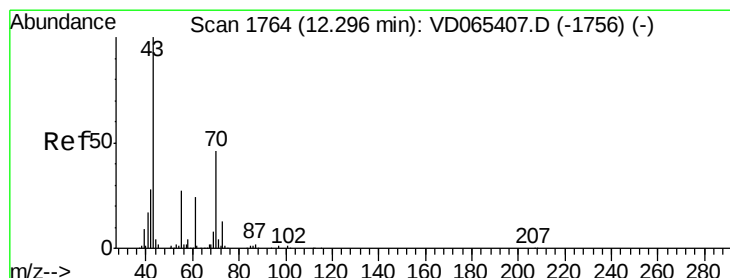
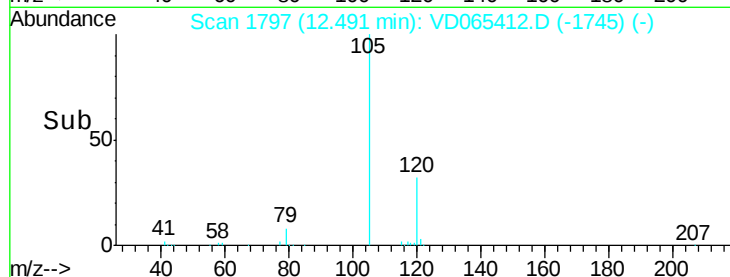
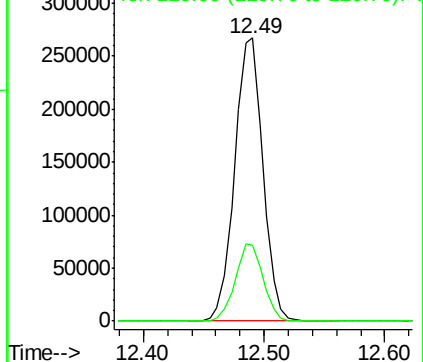
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.115 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion: 43 Resp: 82002

Ion Ratio Lower Upper

43 100

70 45.8 36.1 54.1

55 29.2 21.6 32.4

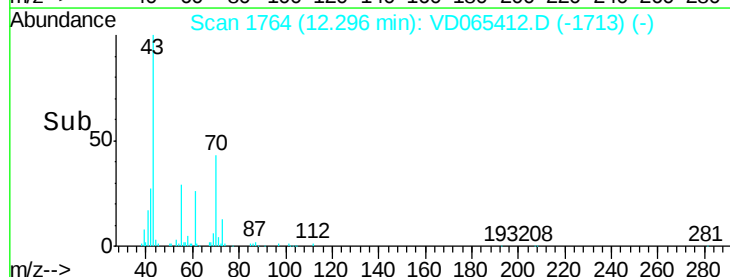
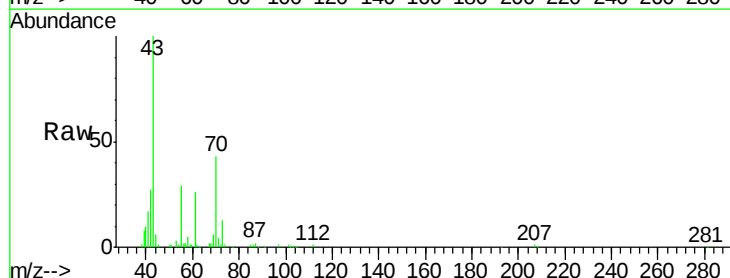
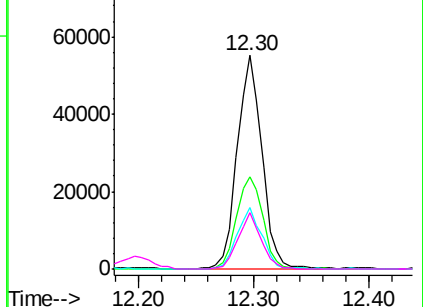
61 24.8 19.6 29.4

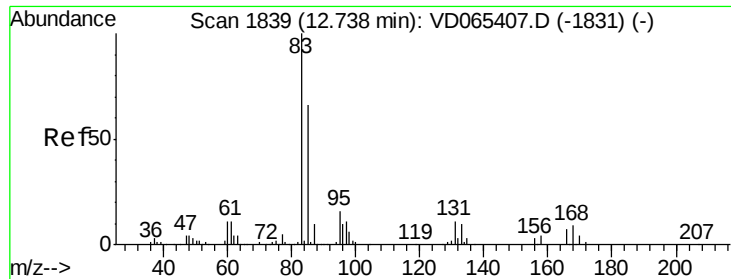
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 18.759 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

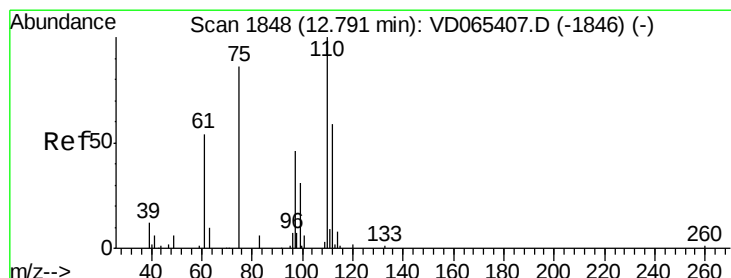
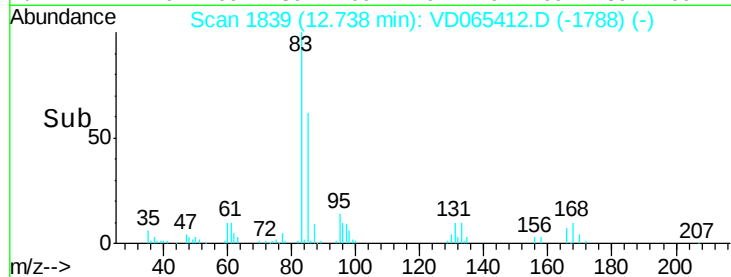
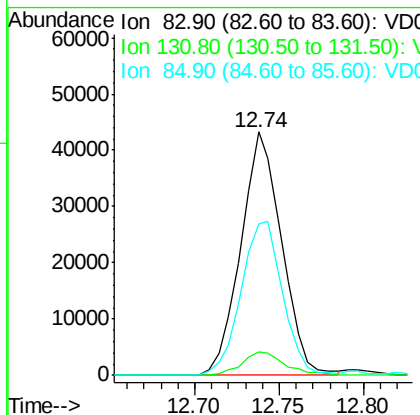
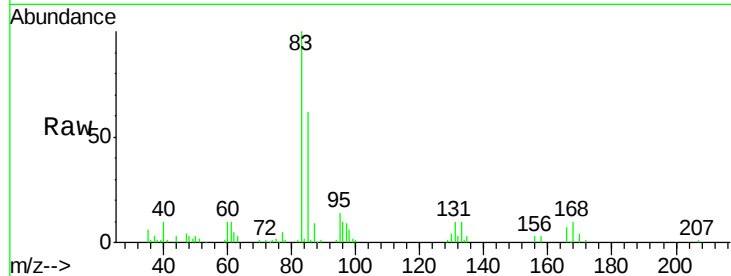
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	72952
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.4	16.2
85	64.3	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 13.155 ug/l m

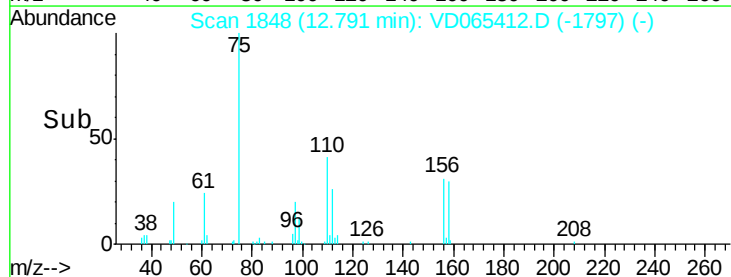
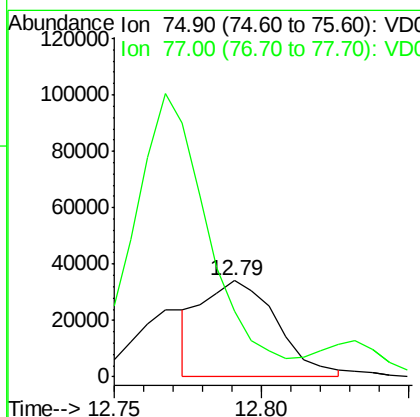
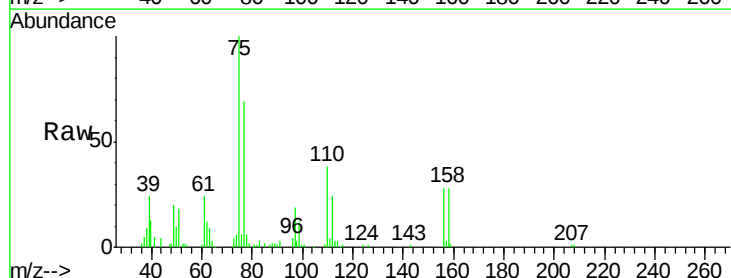
RT: 12.79 min Scan# 1848

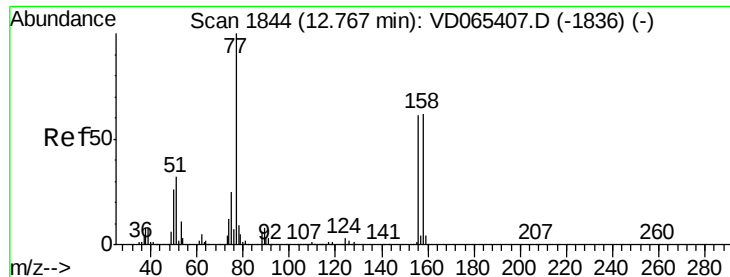
Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion:	75	Resp:	60644
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.198 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

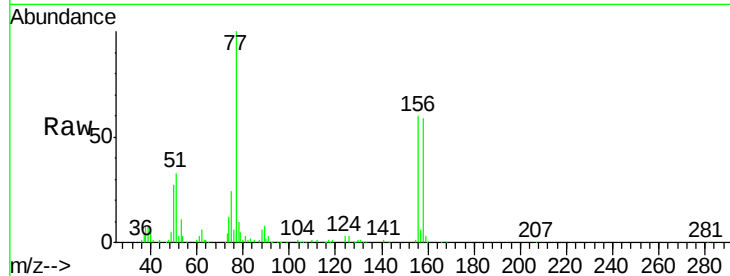
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	105527
Ion Ratio	Lower	Upper	
156	100		
77	169.1	84.9	254.6
158	95.4	49.0	147.2

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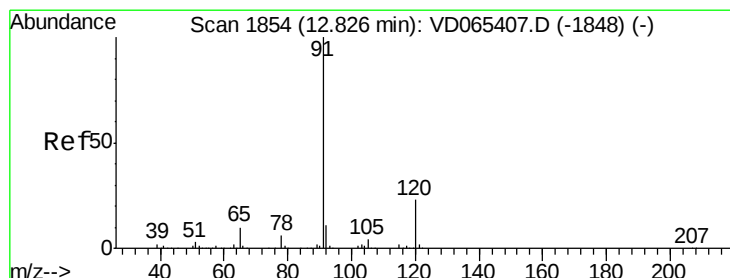
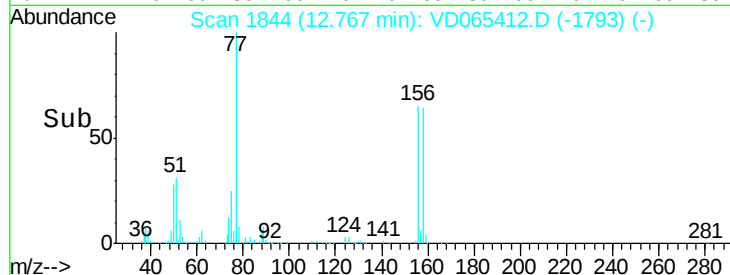
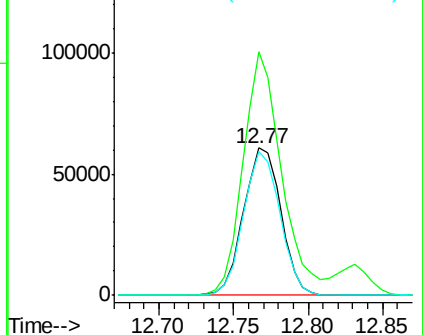
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.014 ug/l

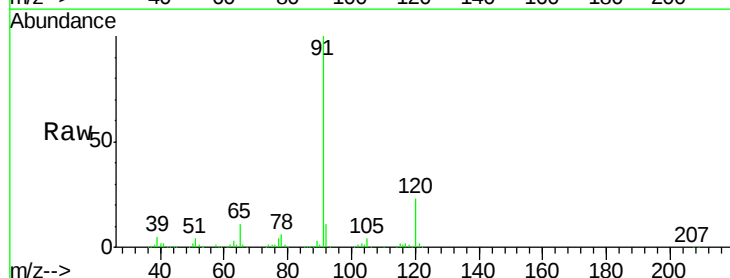
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065412.D

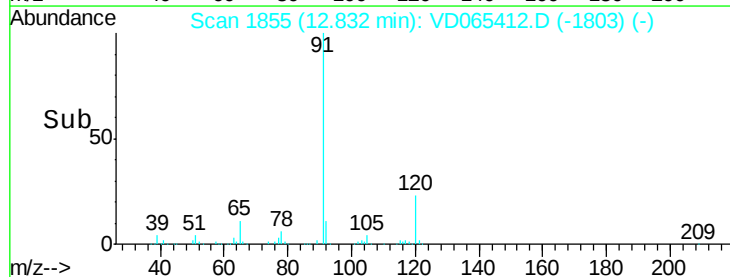
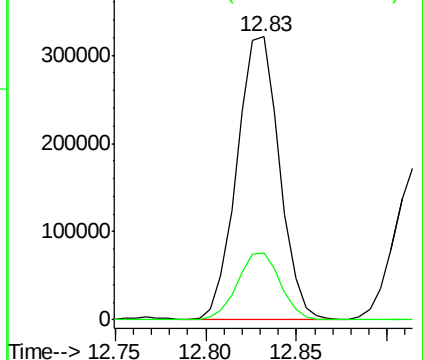
Acq: 04 Mar 2020 15:30

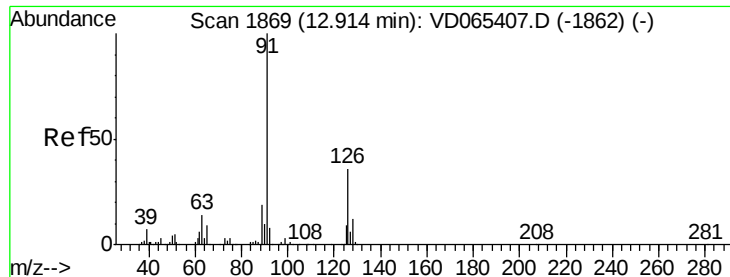
Tgt Ion:	91	Resp:	522145
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





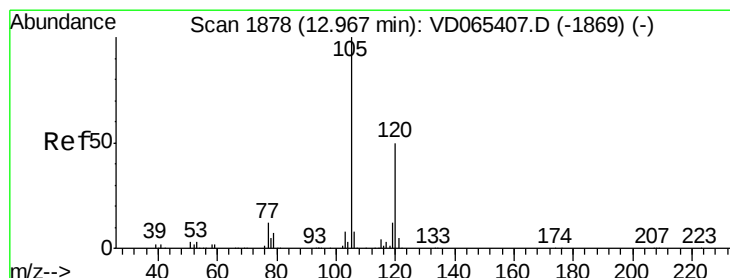
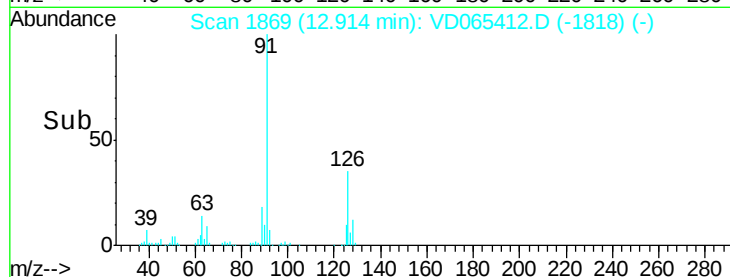
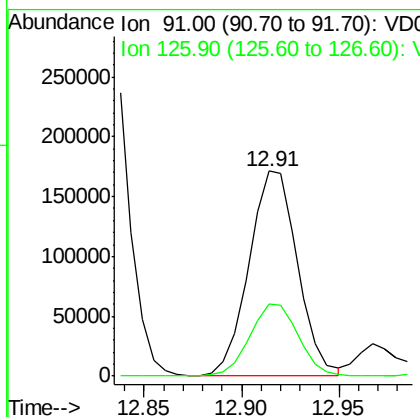
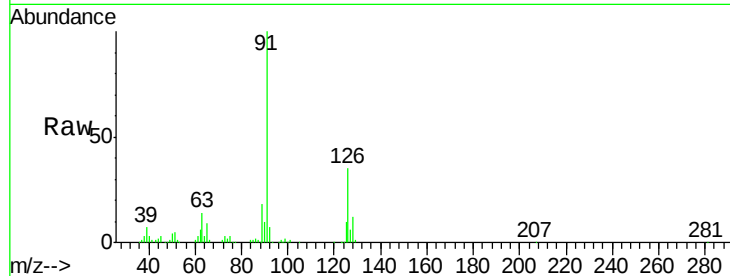
#79
2-Chlorotoluene
Concen: 20.005 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 293598
Ion Ratio Lower Upper
91 100
126 35.2 17.9 53.8

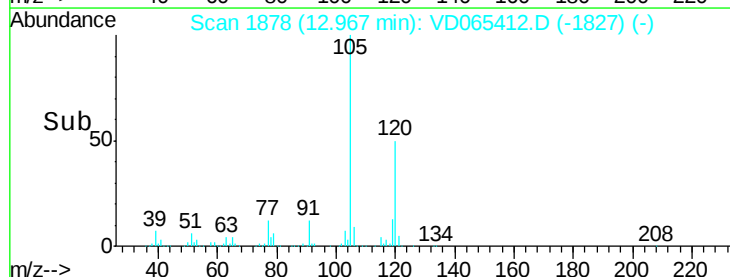
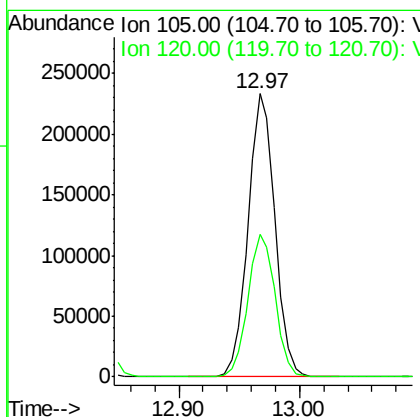
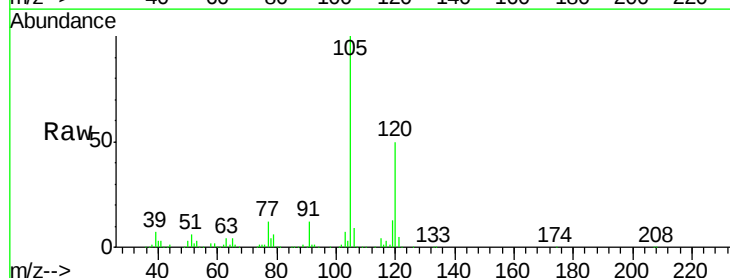
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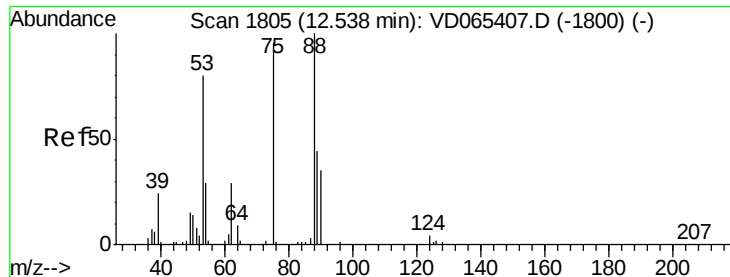
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#80
1,3,5-Trimethylbenzene
Concen: 19.974 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 105 Resp: 360491
Ion Ratio Lower Upper
105 100
120 51.3 25.4 76.0





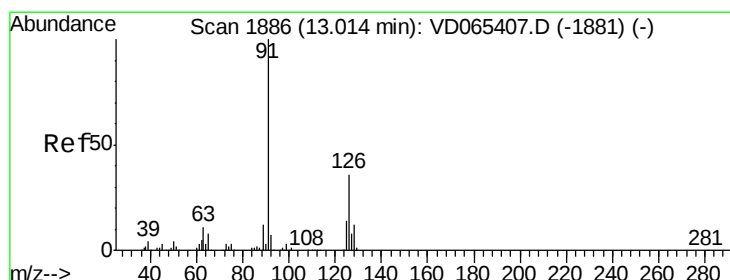
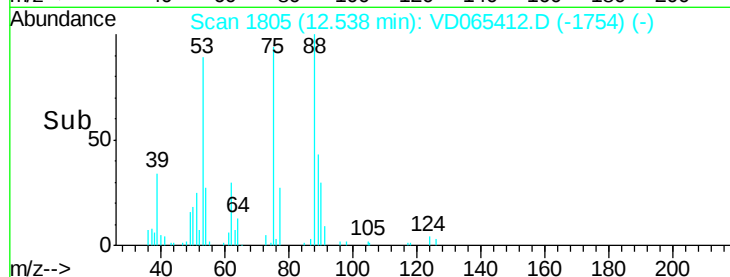
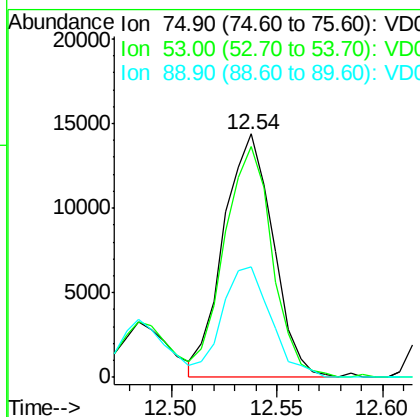
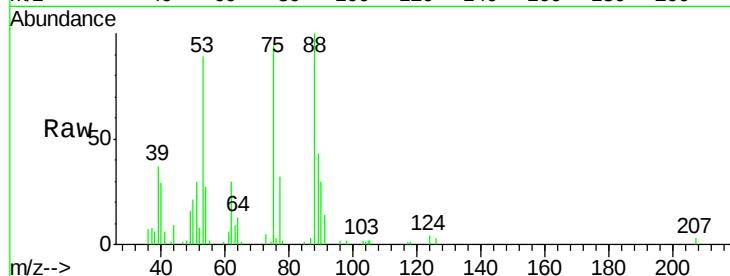
#81
trans-1,4-Dichloro-2-butene
Concen: 18.736 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	71.3	106.9
89	45.0	37.0	55.6

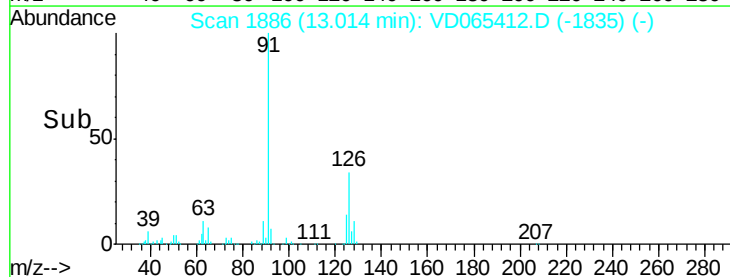
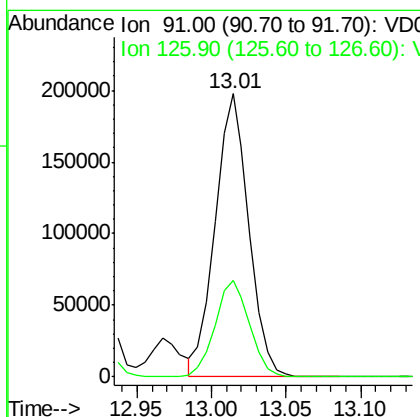
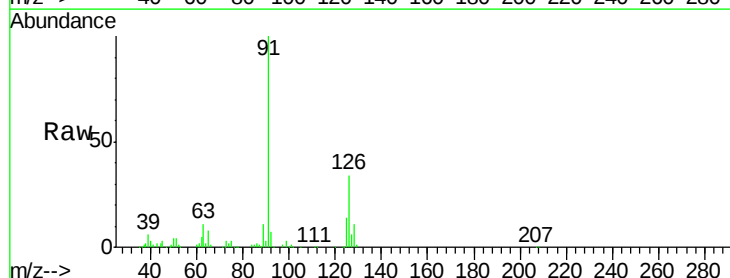
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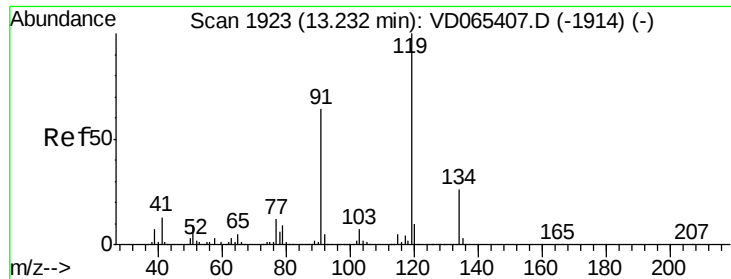
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#82
4-Chlorotoluene
Concen: 20.031 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.8





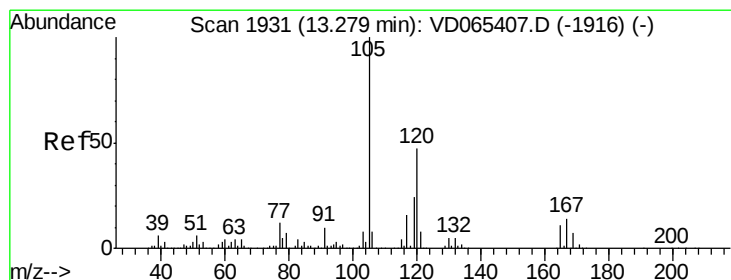
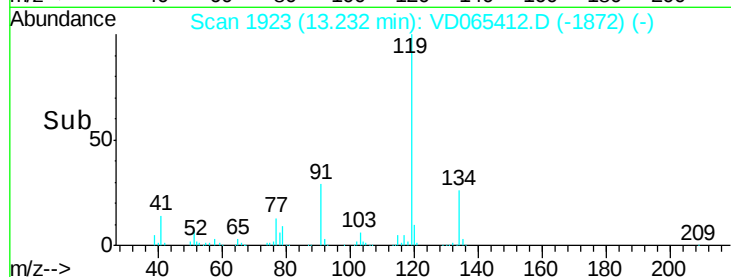
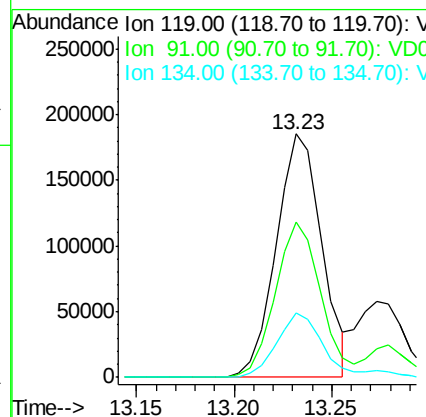
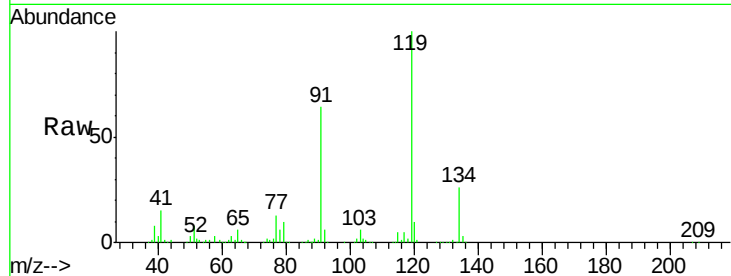
#83
tert-Butylbenzene
Concen: 19.627 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.6	95.0
134	27.9	14.2	42.8

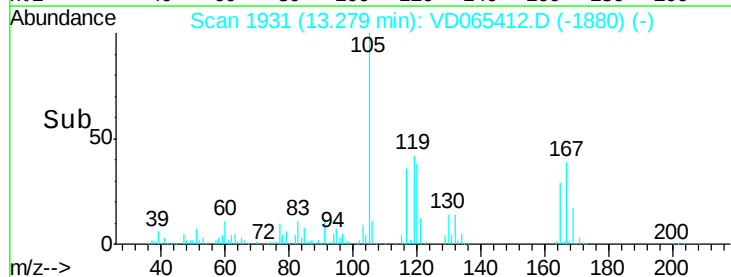
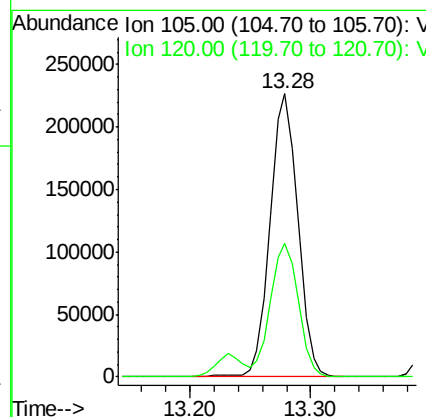
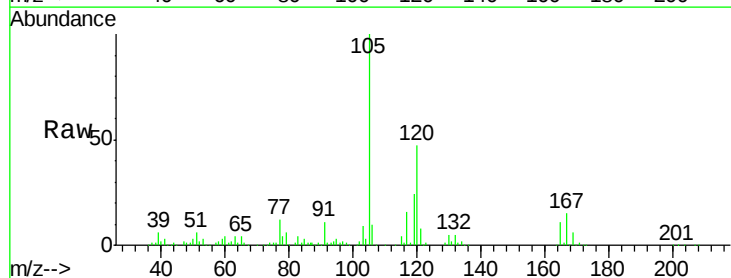
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#84
1,2,4-Trimethylbenzene
Concen: 20.186 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.735 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 429200

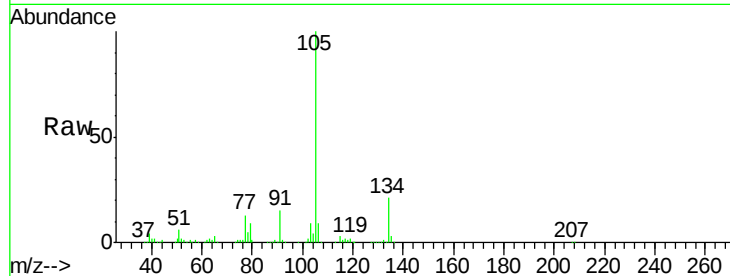
Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.9

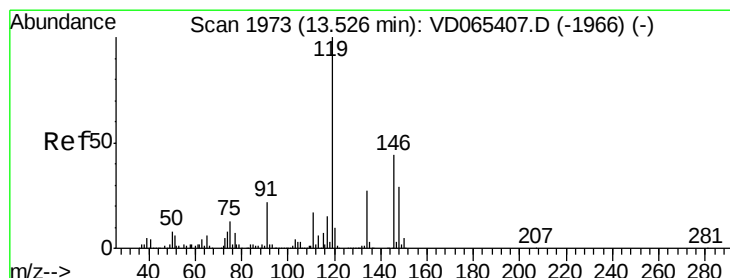
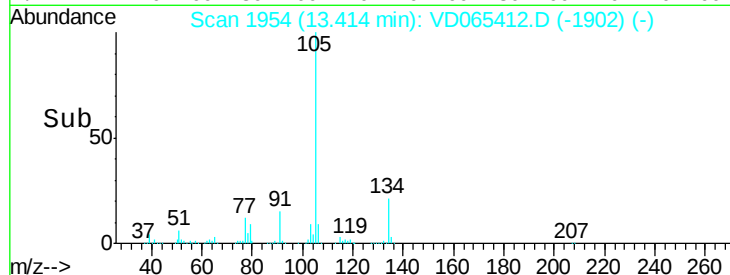
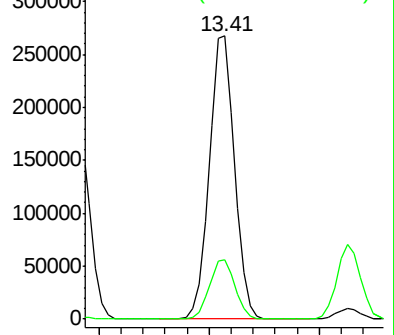
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.159 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

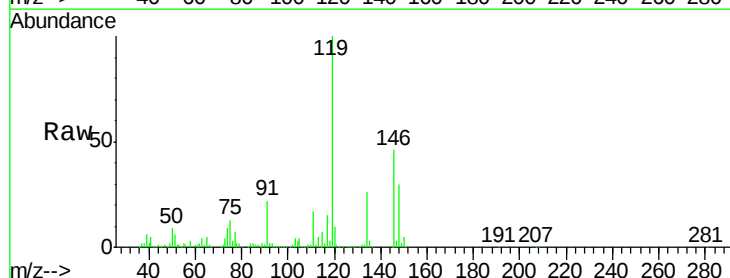
Tgt Ion:119 Resp: 400227

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

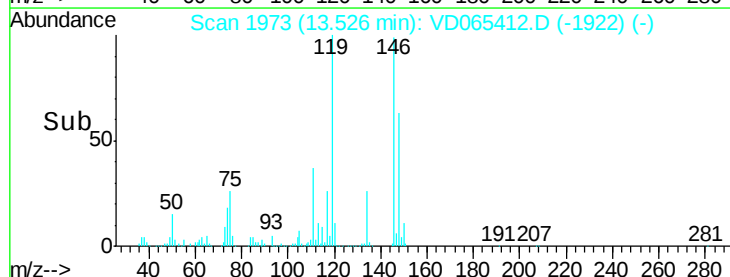
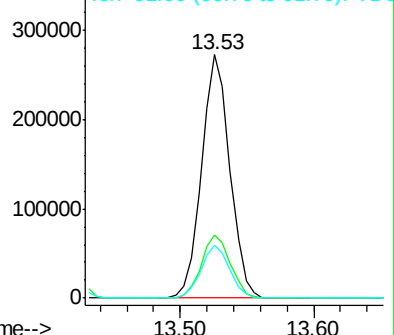
91 21.8 10.9 32.6

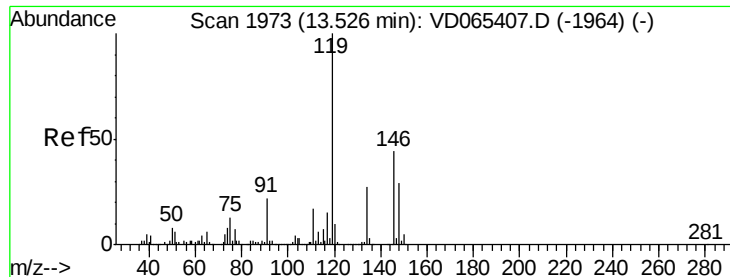


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.816 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065412.D

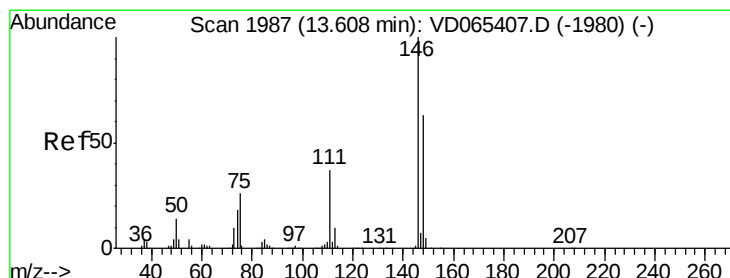
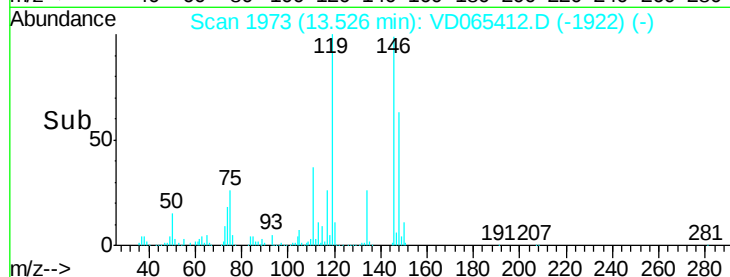
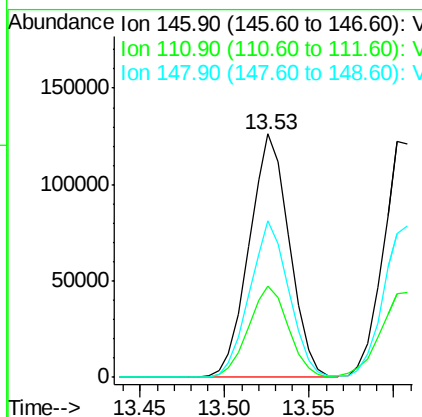
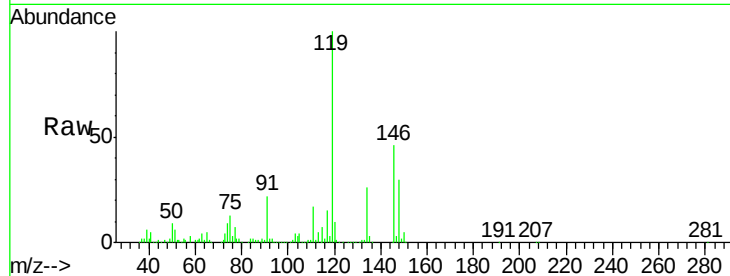
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	62.9	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.600 ug/l

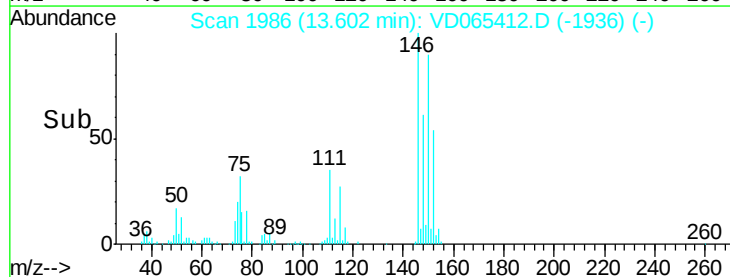
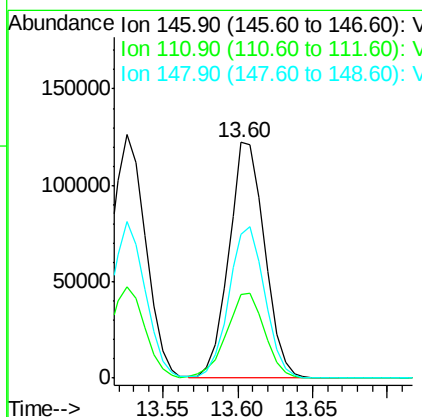
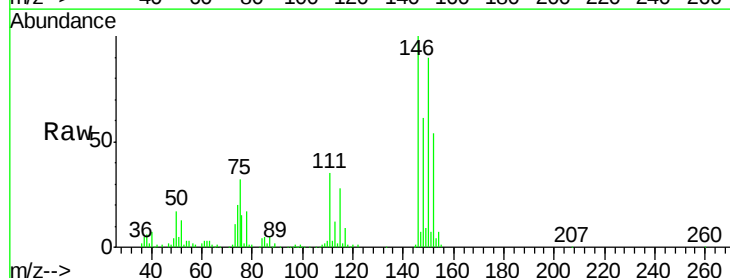
RT: 13.60 min Scan# 1986

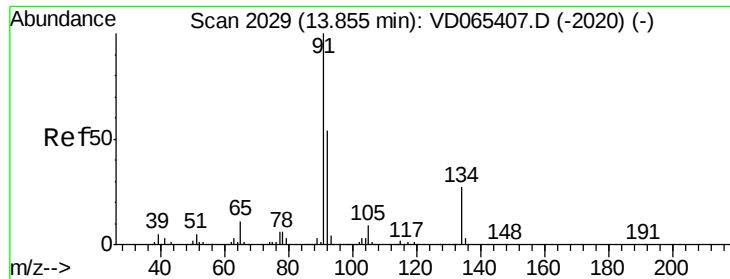
Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.5	55.5
148	64.5	32.0	96.0





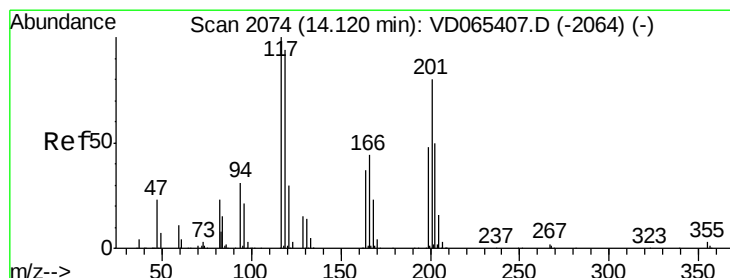
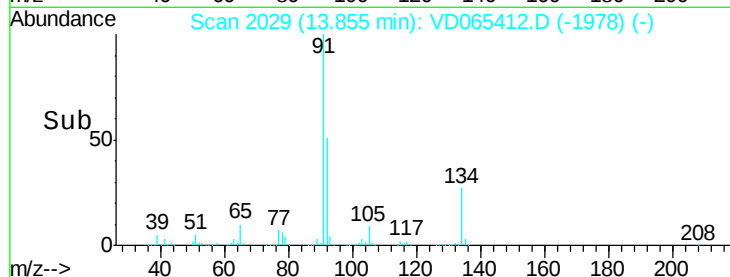
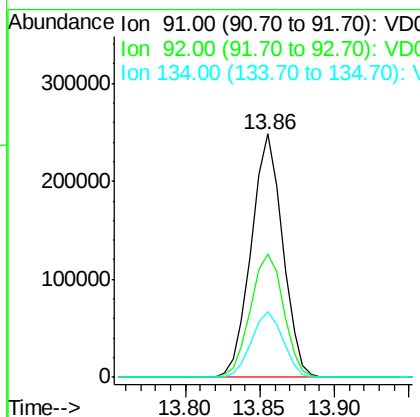
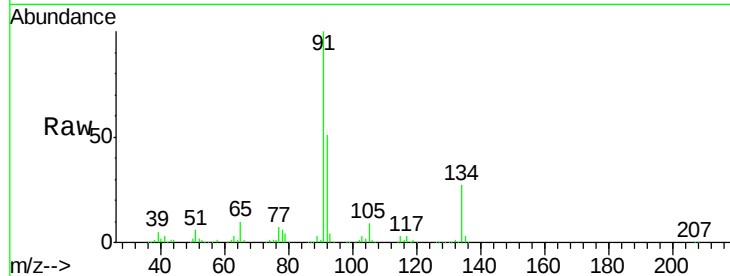
#89
n-Butylbenzene
Concen: 19.701 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	26.8	80.4	
134	27.4	13.4	40.2	

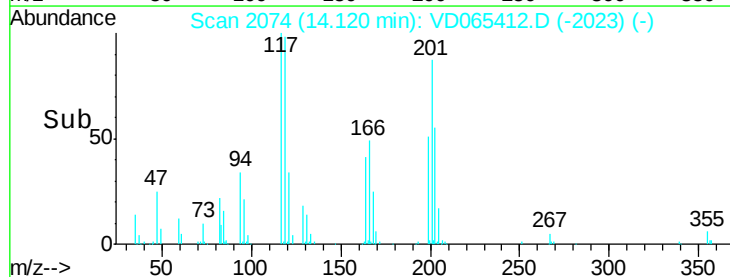
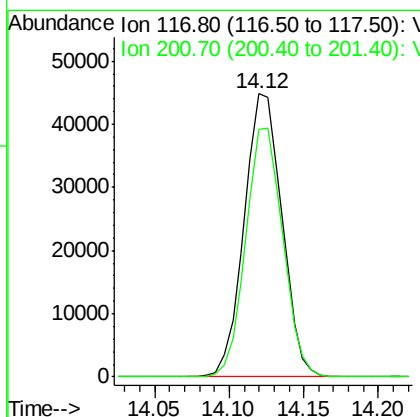
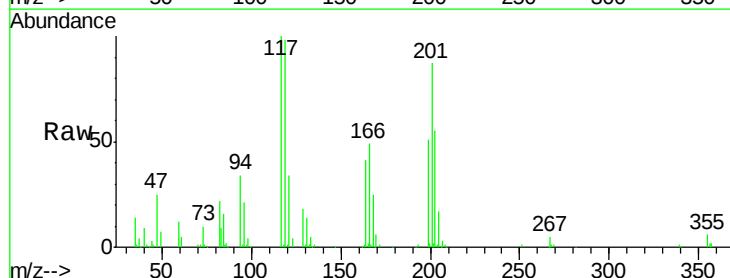
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#90
Hexachloroethane
Concen: 19.120 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.0	41.9	125.6	





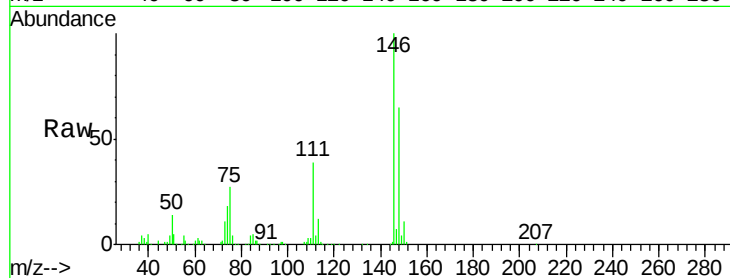
#91
 1,2-Dichlorobenzene
 Concen: 19.288 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

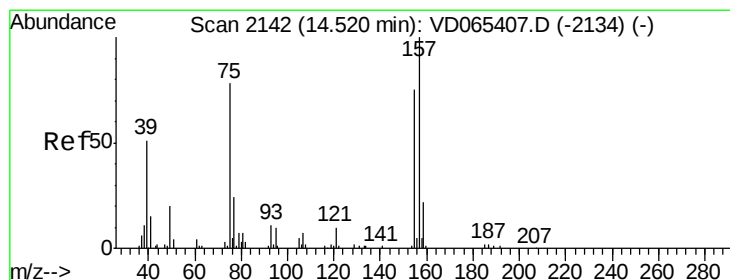
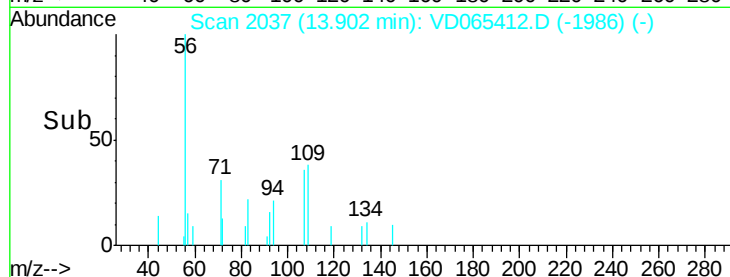
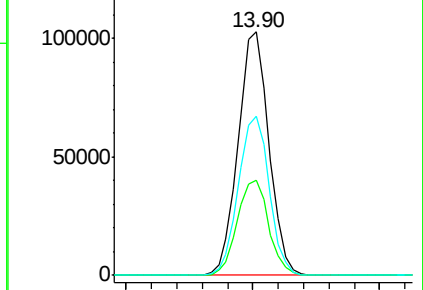
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	65.4	32.6	97.8

Manual Integrations
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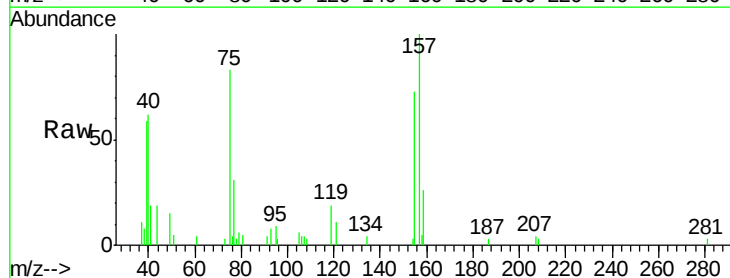


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

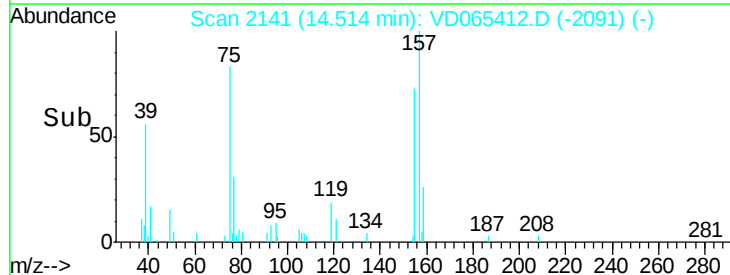
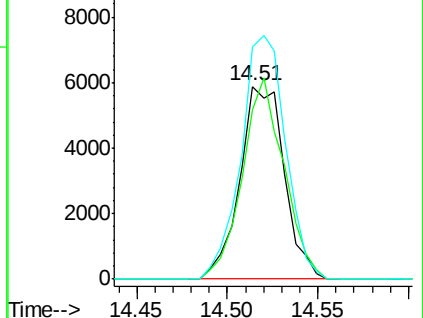


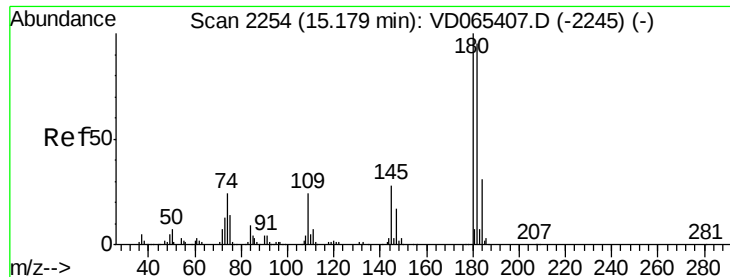
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.835 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	46.4	139.1
157	126.6	60.2	180.4



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





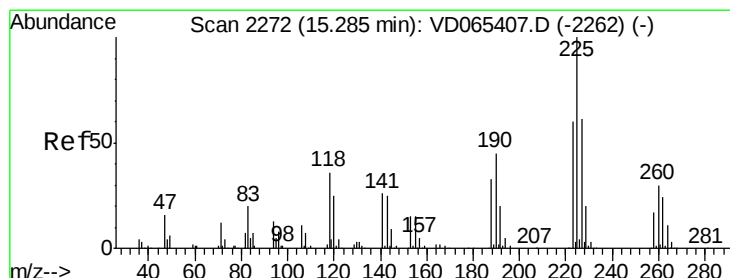
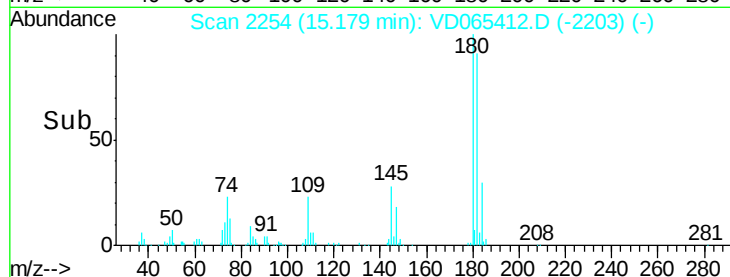
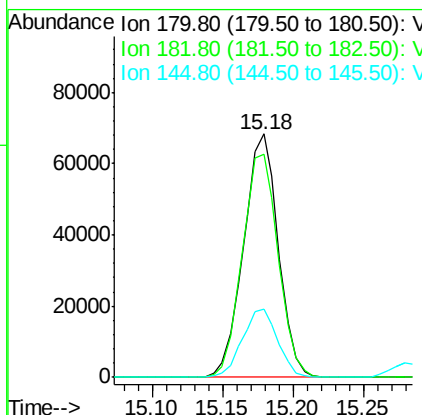
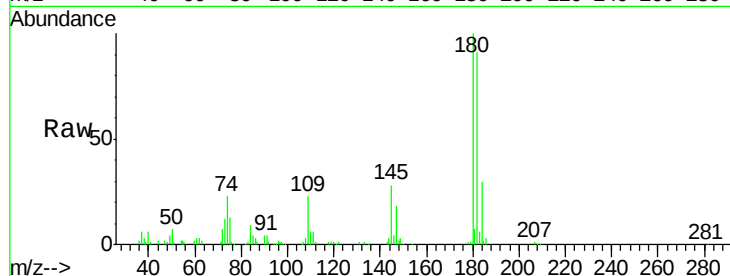
#93
 1,2,4-Trichlorobenzene
 Concen: 19.441 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117696		
182	94.8	48.3	144.9	
145	28.5	14.4	43.4	

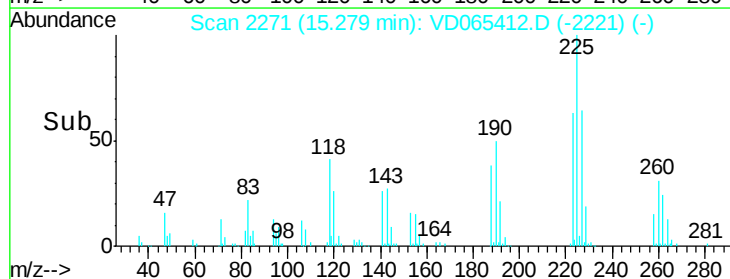
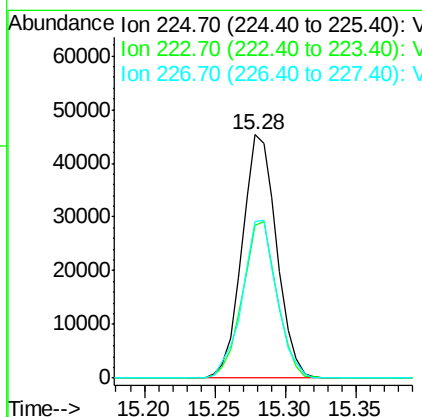
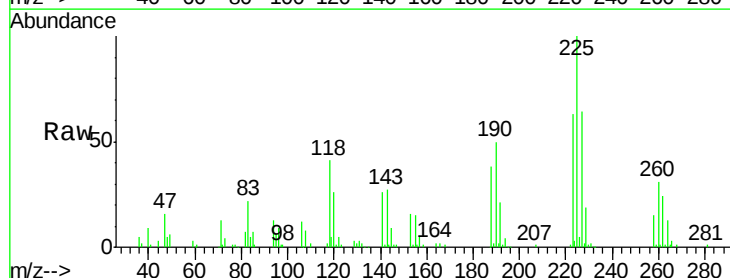
Manual Integrations
 APPROVED

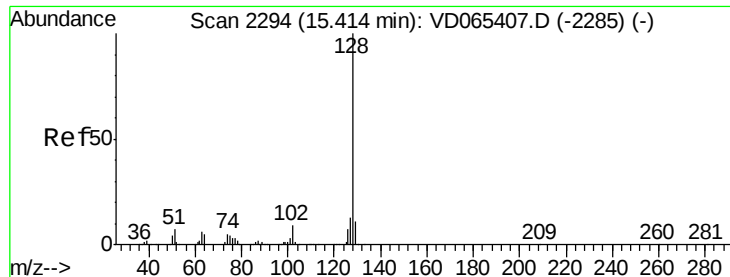
MMDadoda
 3/5/2020 1:39:03 PM



#94
 Hexachlorobutadiene
 Concen: 19.599 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77614		
223	63.8	30.9	92.5	
227	65.1	31.6	94.7	





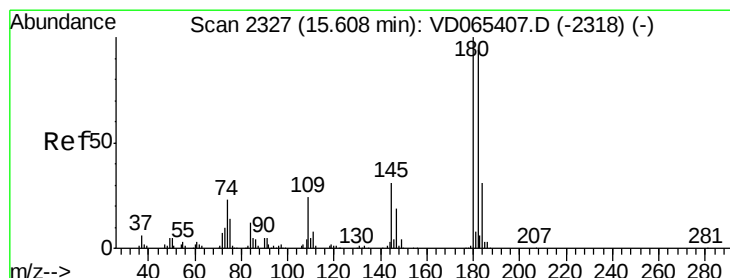
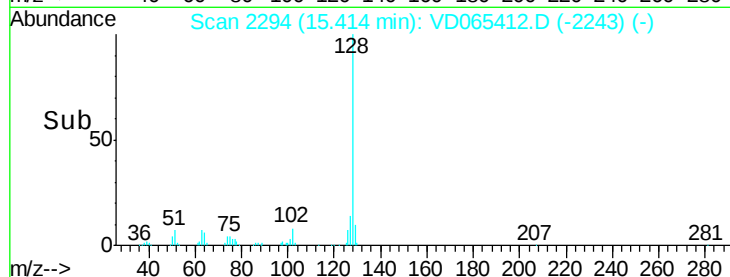
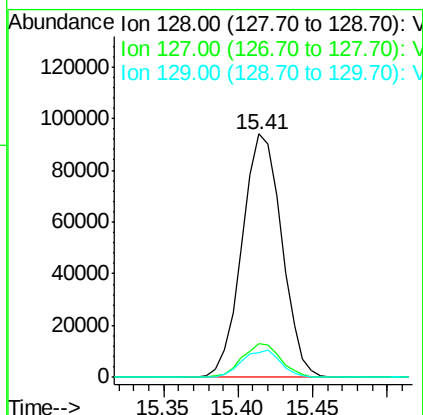
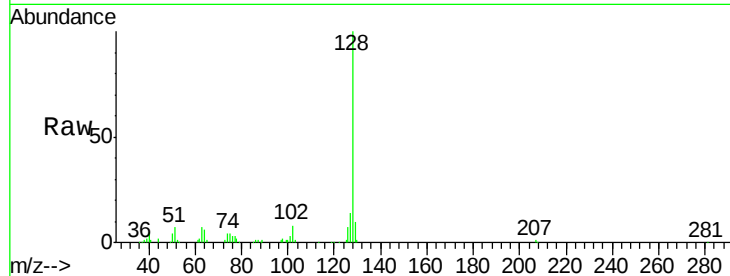
#95
Naphthalene
Concen: 17.839 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:39:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.114 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.6
145	31.8	15.0	45.1

