

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072820\
 Data File : VD066075.D
 Acq On : 28 Jul 2020 12:54
 Operator : VA/SY
 Sample : VD0728SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Manual Integrations
 APPROVED

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 7/29/2020 7:05:56 PM

Quant Time: Jul 29 01:53:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	259079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	363695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	343382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188449	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117127	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	
35) Dibromofluoromethane	7.91	113	122382	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
50) Toluene-d8	10.34	98	468358	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	
62) 4-Bromofluorobenzene	12.64	95	161867	56.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	46040	23.416	ug/l	92
3) Chloromethane	2.21	50	34313	21.385	ug/l	95
4) Vinyl Chloride	2.35	62	33679	22.042	ug/l	94
5) Bromomethane	2.76	94	24123	19.376	ug/l	94
6) Chloroethane	2.91	64	21538	23.613	ug/l	95
7) Trichlorofluoromethane	3.27	101	86694	23.326	ug/l	99
8) Diethyl Ether	3.71	74	21839	21.259	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	48832	21.760	ug/l	93
10) Methyl Iodide	4.30	142	48106	26.293	ug/l	93
11) Tert butyl alcohol	5.20	59	22098	156.468	ug/l	99
12) 1,1-Dichloroethene	4.06	96	46504	21.710	ug/l	95
13) Acrolein	3.91	56	14428	81.233	ug/l	94
14) Allyl chloride	4.71	41	66010	19.714	ug/l	91
15) Acrylonitrile	5.41	53	43274	98.601	ug/l	95
16) Acetone	4.15	43	43590	102.154	ug/l #	86
17) Carbon Disulfide	4.40	76	138560	19.941	ug/l	99
18) Methyl Acetate	4.72	43	18914	19.054	ug/l #	51
19) Methyl tert-butyl Ether	5.47	73	96235	21.866	ug/l	95
20) Methylene Chloride	4.97	84	63919	25.646	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	48646	20.093	ug/l	94
22) Diisopropyl ether	6.36	45	127875	20.101	ug/l	97
23) Vinyl Acetate	6.30	43	361993	100.899	ug/l	99
24) 1,1-Dichloroethane	6.27	63	82480	21.398	ug/l	95
25) 2-Butanone	7.21	43	56235	99.319	ug/l	96
26) 2,2-Dichloropropane	7.20	77	82448	23.786	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	55681	21.722	ug/l	100
28) Bromochloromethane	7.54	49	32002	19.562	ug/l	89
29) Tetrahydrofuran	7.56	42	33516	95.937	ug/l	92
30) Chloroform	7.71	83	88684	21.995	ug/l	90
31) Cyclohexane	7.98	56	77504	20.438	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	86319	23.145	ug/l	100
36) 1,1-Dichloropropene	8.11	75	70622	22.752	ug/l	97
37) Ethyl Acetate	7.30	43	26130	22.043	ug/l	100
38) Carbon Tetrachloride	8.10	117	82772	24.576	ug/l	98

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Manual Integrations
 APPROVED

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Quant Time: Jul 29 01:53:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84465	22.471	ug/l	99
40) Benzene	8.35	78	190793	21.971	ug/l	99
41) Methacrylonitrile	7.54	41	17249m	25.401	ug/l	
42) 1,2-Dichloroethane	8.43	62	55530	23.336	ug/l	98
43) Isopropyl Acetate	8.46	43	47718	20.610	ug/l	97
44) Trichloroethene	9.11	130	60556	23.044	ug/l	88
45) 1,2-Dichloropropane	9.39	63	44180	21.007	ug/l	94
46) Dibromomethane	9.47	93	26137	23.085	ug/l	96
47) Bromodichloromethane	9.67	83	68299	22.815	ug/l	99
48) Methyl methacrylate	9.46	41	22998	19.692	ug/l	88
49) 1,4-Dioxane	9.46	88	5544	422.656	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	121585	104.225	ug/l	99
52) Toluene	10.41	92	130662	23.073	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	64241	23.034	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	76344	22.582	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	35690	22.227	ug/l	94
56) Ethyl methacrylate	10.67	69	41979	22.486	ug/l	98
57) 1,3-Dichloropropane	10.95	76	58744	22.099	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	101131	113.397	ug/l	97
59) 2-Hexanone	10.99	43	87507	108.246	ug/l	96
60) Dibromochloromethane	11.14	129	50500	23.325	ug/l	97
61) 1,2-Dibromoethane	11.25	107	36817	23.780	ug/l	99
64) Tetrachloroethene	10.88	164	55696	23.897	ug/l	93
65) Chlorobenzene	11.67	112	139775	22.232	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	54103	23.305	ug/l	100
67) Ethyl Benzene	11.75	91	247924	22.914	ug/l	96
68) m/p-Xylenes	11.86	106	197398	47.467	ug/l	100
69) o-Xylene	12.18	106	89242	23.594	ug/l	98
70) Styrene	12.20	104	152023	23.392	ug/l	98
71) Bromoform	12.37	173	31872	23.438	ug/l #	99
73) Isopropylbenzene	12.48	105	251014	22.013	ug/l	100
74) N-amyl acetate	12.30	43	47693	20.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	36983	19.625	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	25815m	18.193	ug/l	
77) Bromobenzene	12.77	156	63639	21.838	ug/l	95
78) n-propylbenzene	12.83	91	291960	22.064	ug/l	99
79) 2-Chlorotoluene	12.91	91	163797	21.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	211111	22.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	12507	20.226	ug/l	98
82) 4-Chlorotoluene	13.01	91	172989	21.680	ug/l	97
83) tert-Butylbenzene	13.23	119	186315	22.727	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	212461	22.987	ug/l	98
85) sec-Butylbenzene	13.41	105	259098	22.945	ug/l	100
86) p-Isopropyltoluene	13.53	119	244077	23.792	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	120494	22.270	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	120747	22.076	ug/l	98
89) n-Butylbenzene	13.85	91	211577	22.181	ug/l	99
90) Hexachloroethane	14.12	117	45967	21.645	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	103681	22.114	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6839	22.143	ug/l	91

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

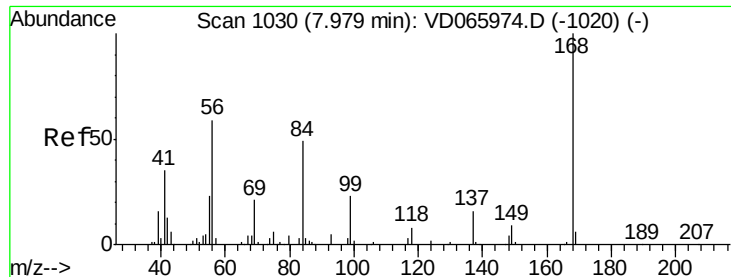
Manual Integrations
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7/29/2020 7:05:56 PM

Quant Time: Jul 29 01:53:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	76980	22.874	ug/l	99
94) Hexachlorobutadiene	15.28	225	49418	23.752	ug/l	99
95) Naphthalene	15.41	128	120965	22.326	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	65317	22.326	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion:168 Resp: 259079

Ion Ratio Lower Upper

168 100

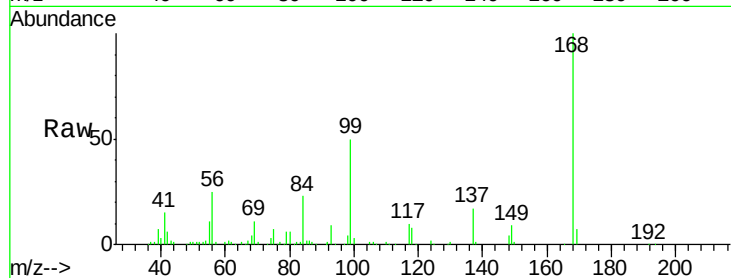
99 49.4 40.8 61.2

Manual Integrations

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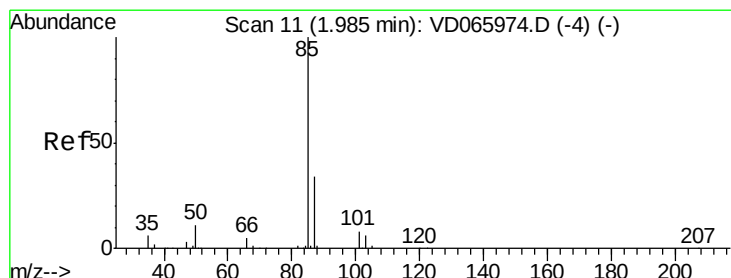
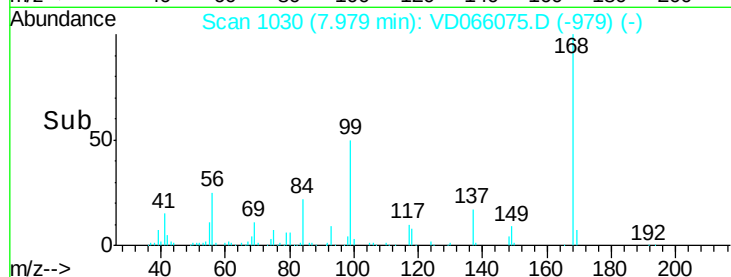
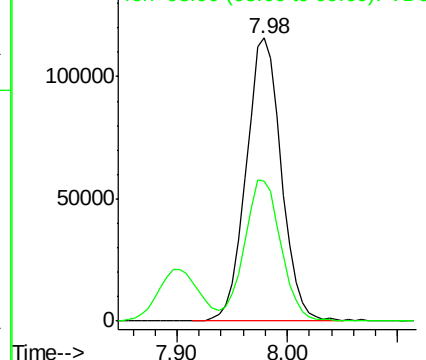
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.416 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066075.D

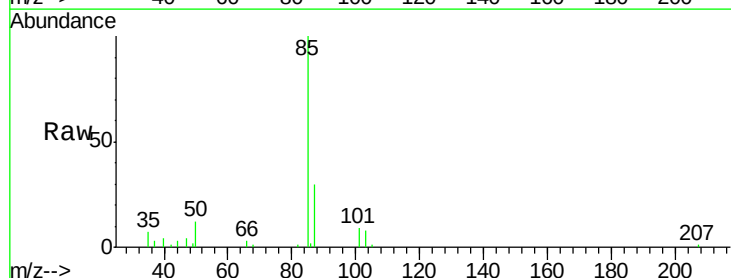
Acq: 28 Jul 2020 12:54

Tgt Ion: 85 Resp: 46040

Ion Ratio Lower Upper

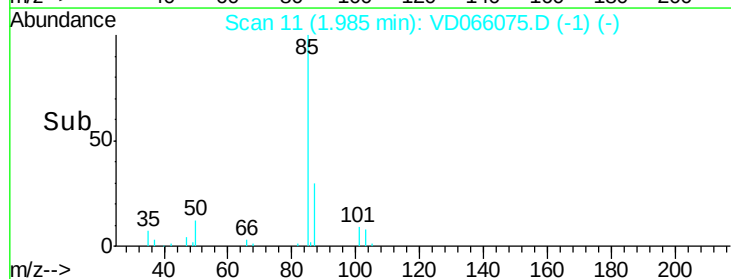
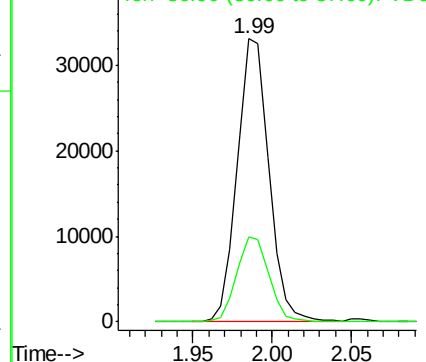
85 100

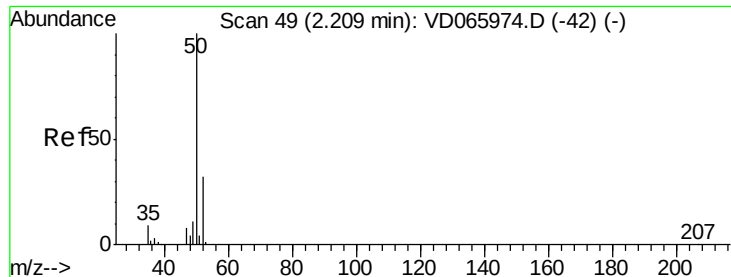
87 30.0 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.385 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 50 Resp: 34313

Ion Ratio Lower Upper

50 100

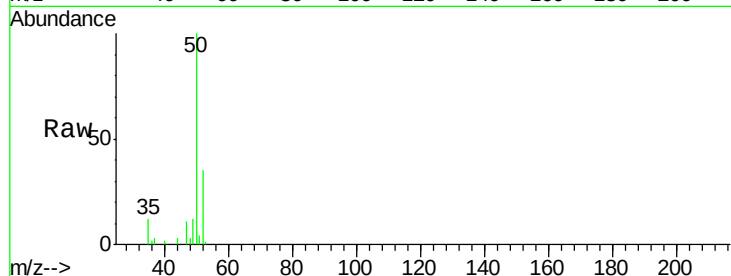
52 35.1 25.8 38.8

Manual Integrations

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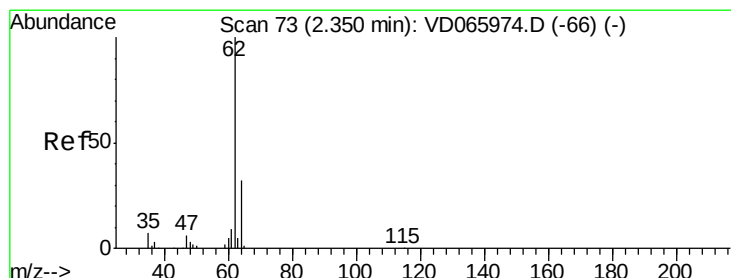
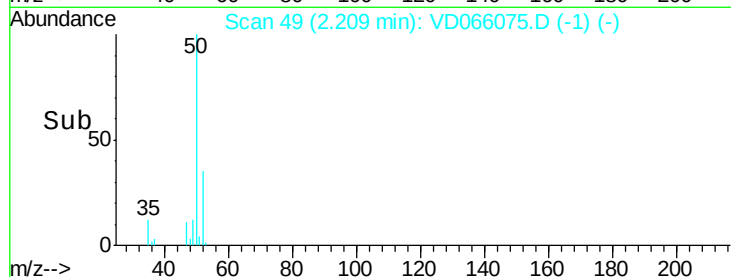
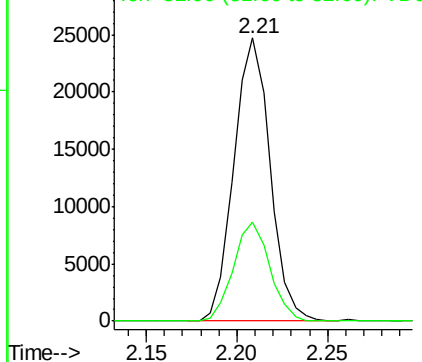
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.042 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066075.D

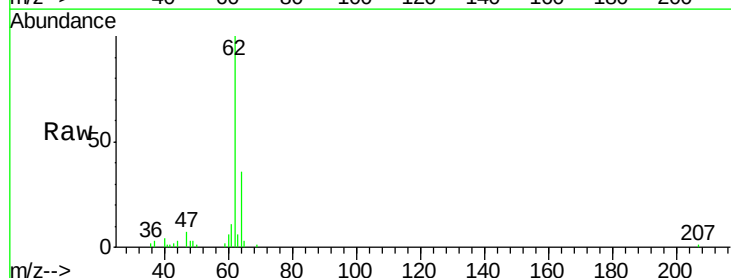
Acq: 28 Jul 2020 12:54

Tgt Ion: 62 Resp: 33679

Ion Ratio Lower Upper

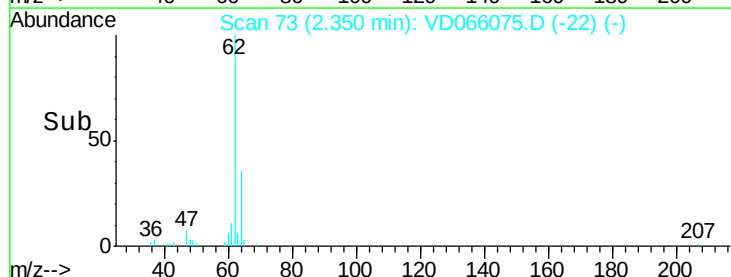
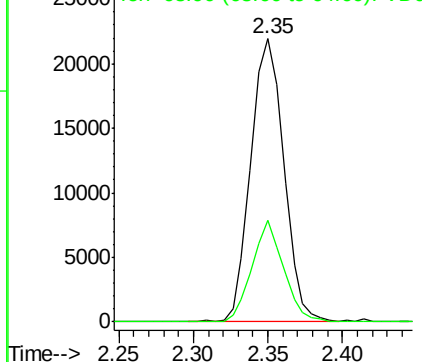
62 100

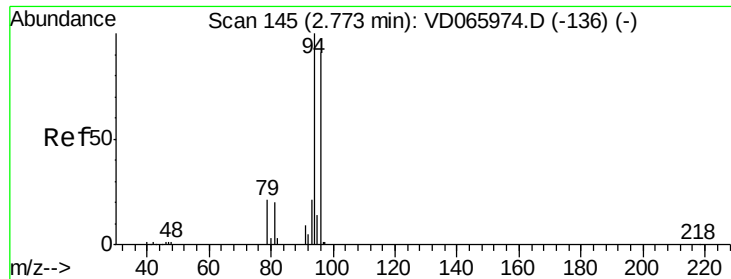
64 35.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.376 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 94 Resp: 24123

Ion Ratio Lower Upper

94 100

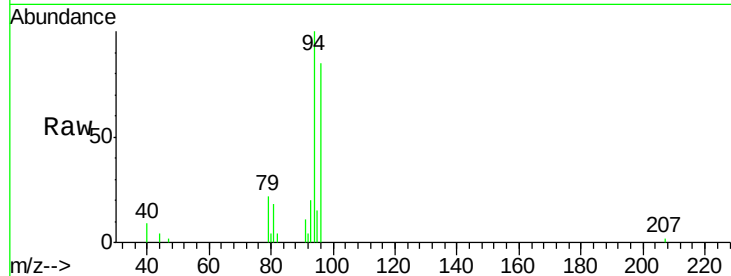
96 85.2 73.0 109.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

12000

10000

8000

6000

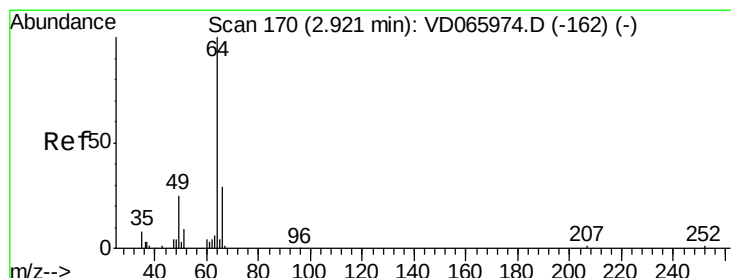
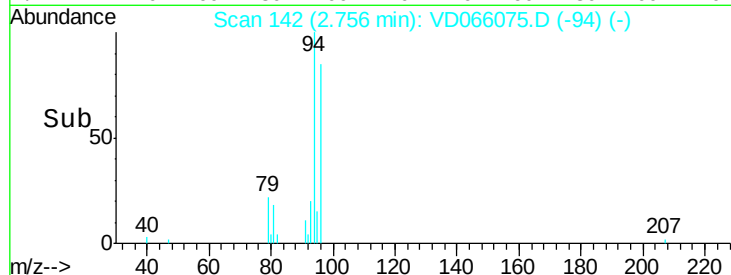
4000

2000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 23.613 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066075.D

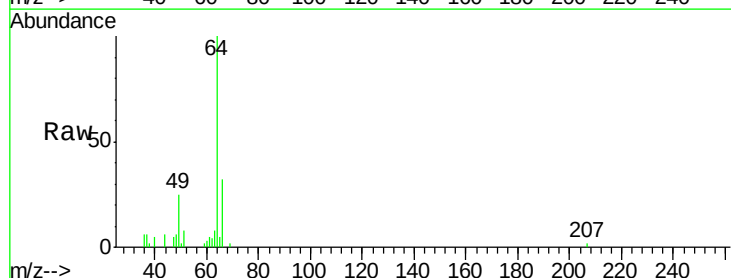
Acq: 28 Jul 2020 12:54

Tgt Ion: 64 Resp: 21538

Ion Ratio Lower Upper

64 100

66 31.9 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

10000

8000

6000

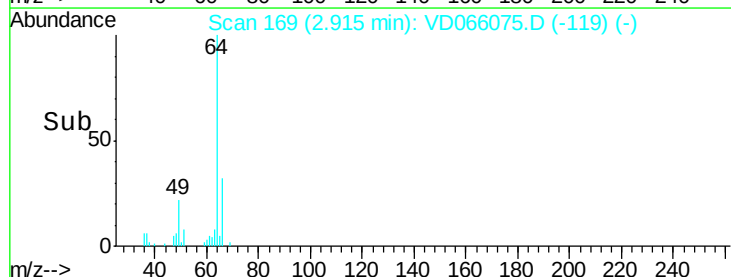
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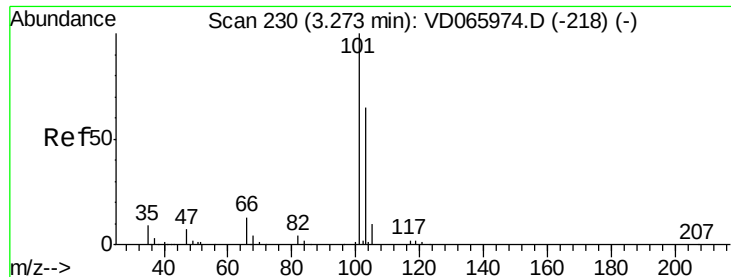
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Time-->

2.85 2.90 2.95 3.00





#7

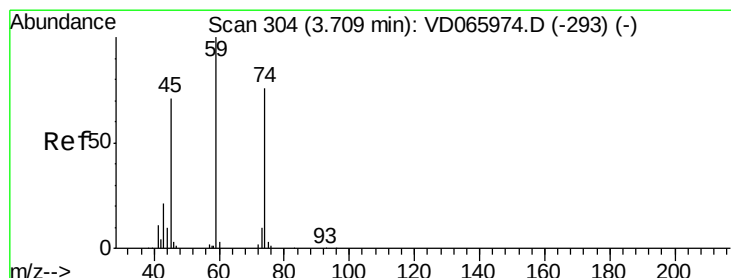
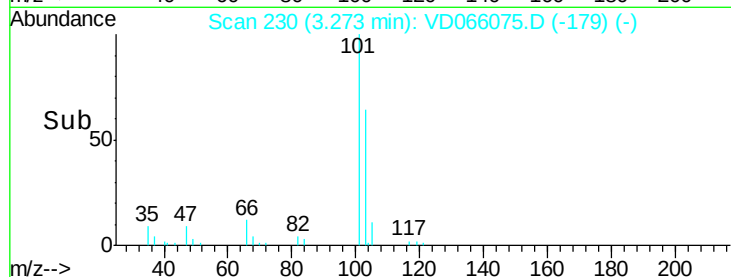
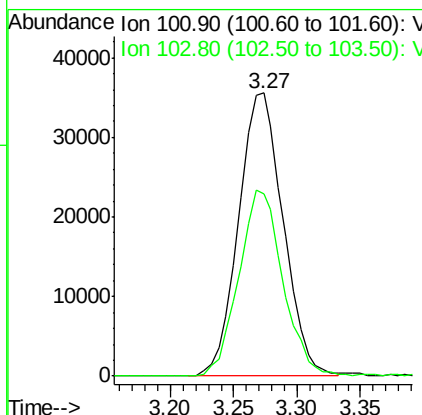
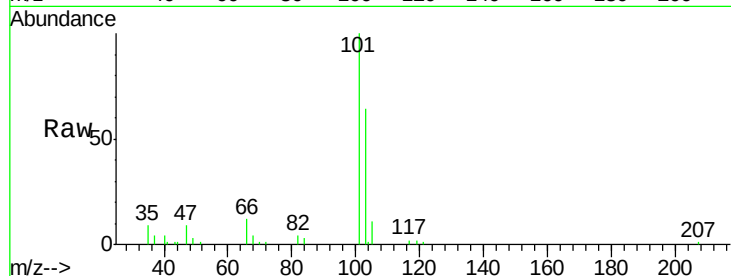
Trichlorofluoromethane
 Concen: 23.326 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
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 ClientSampleId :
 VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

Manual Integrations
 APPROVED

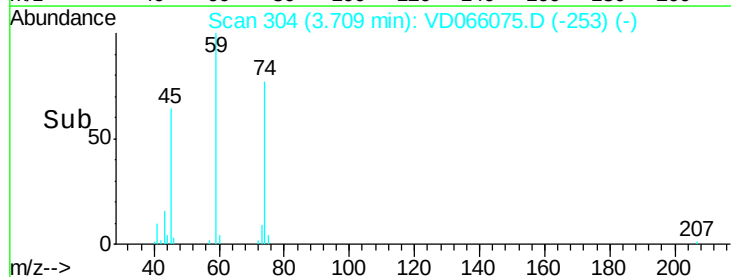
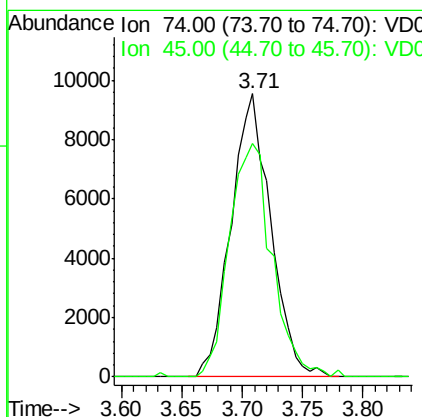
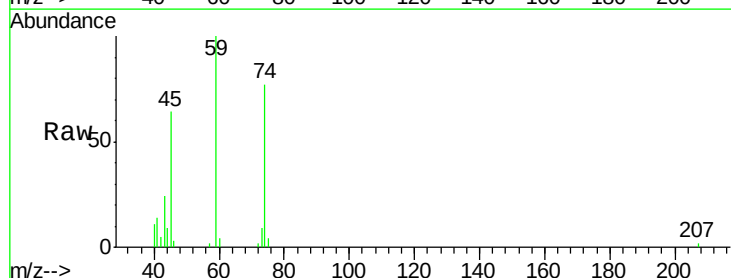
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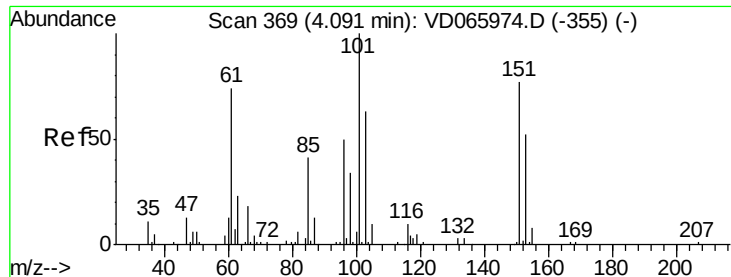


#8

Diethyl Ether
 Concen: 21.259 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.760 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

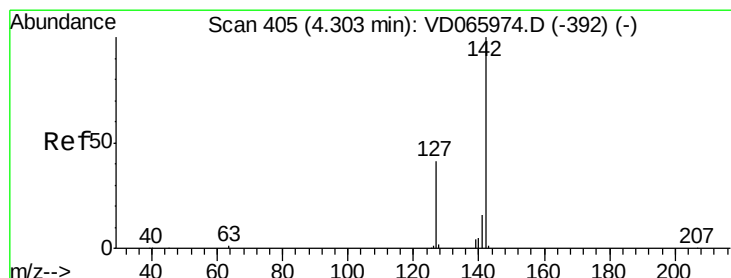
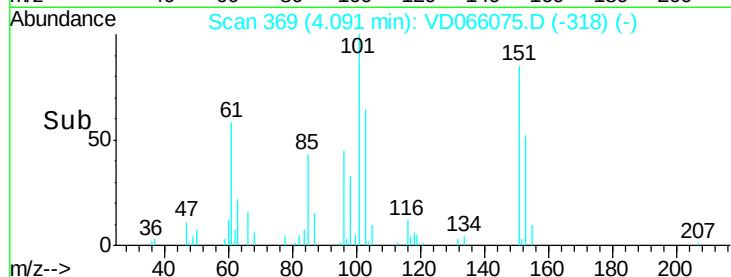
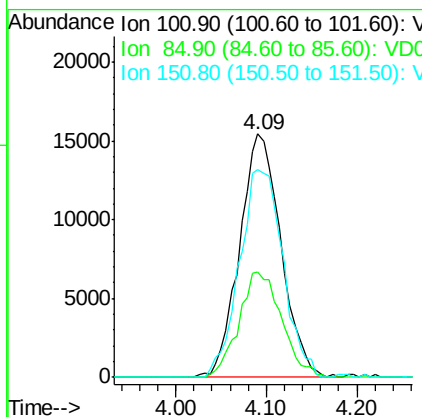
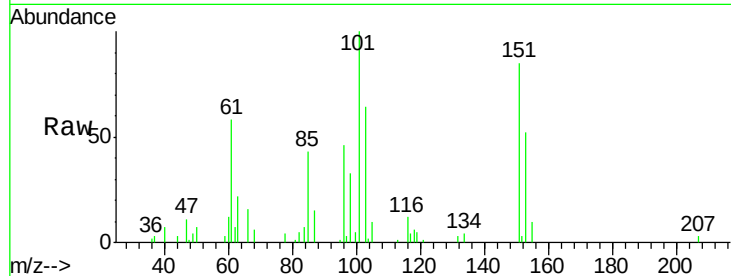
ClientSampleId :

VD0728SBS01

Tgt Ion:	101	Resp:	48832
Ion Ratio	Lower	Upper	
101	100		
85	44.6	33.6	50.4
151	90.2	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 26.293 ug/l

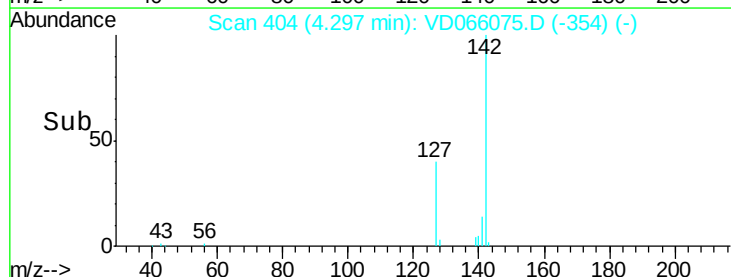
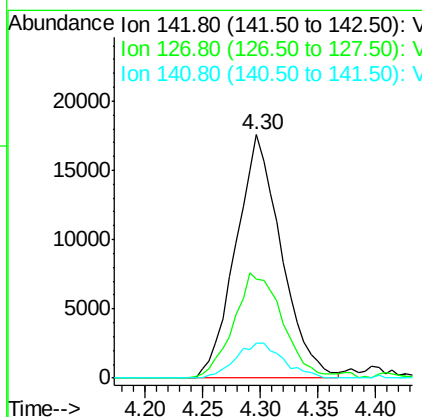
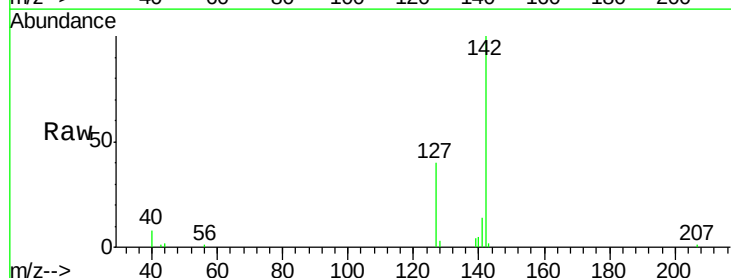
RT: 4.30 min Scan# 404

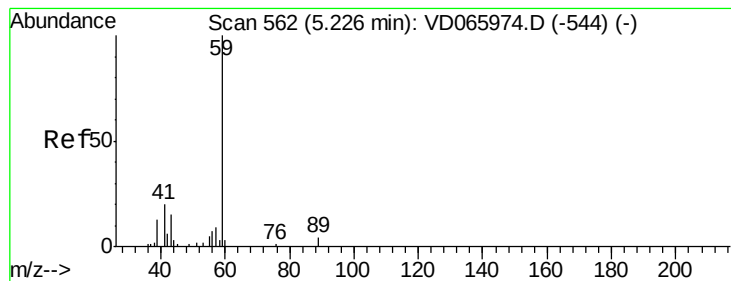
Delta R.T. -0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Tgt Ion:	142	Resp:	48106
Ion Ratio	Lower	Upper	
142	100		
127	46.6	32.9	49.3
141	15.2	11.8	17.6





#11

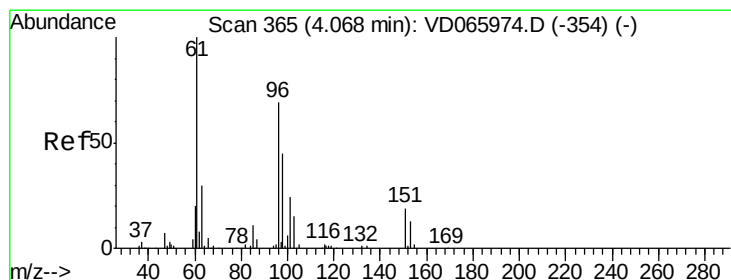
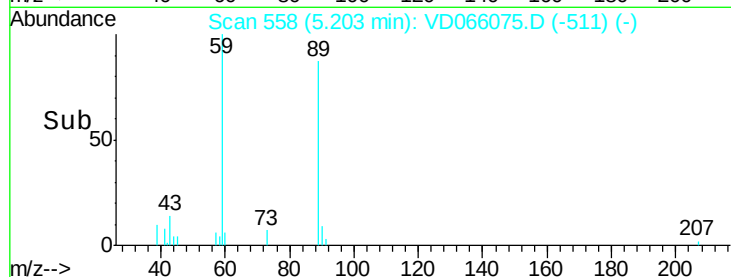
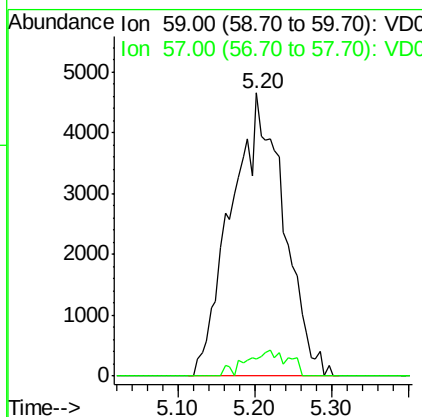
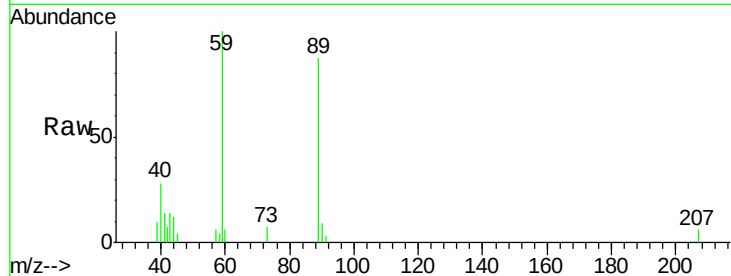
Tert butyl alcohol
Concen: 156.468 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion: 59 Resp: 22098
Ion Ratio Lower Upper
59 100
57 5.4 4.5 6.7

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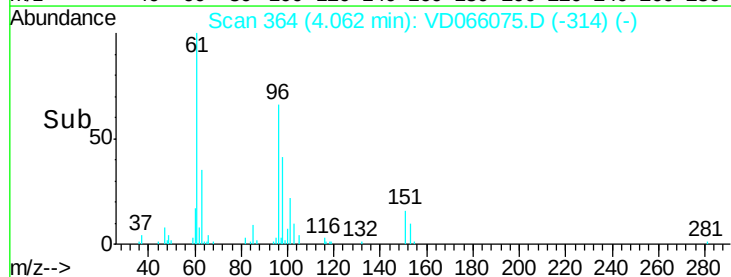
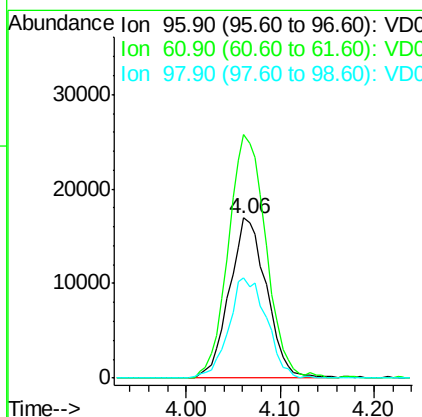
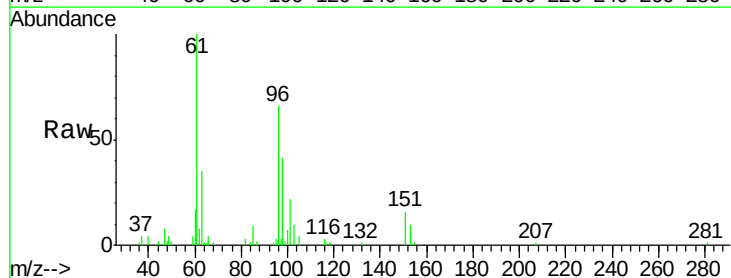
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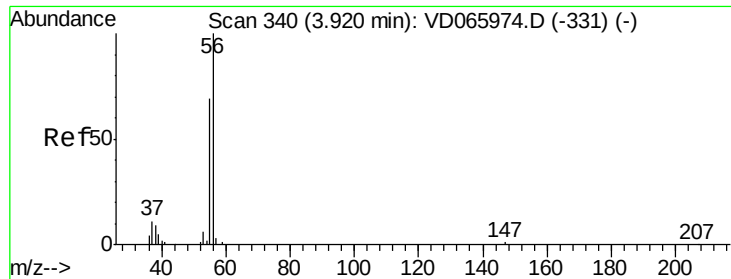


#12

1,1-Dichloroethene
Concen: 21.710 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion: 96 Resp: 46504
Ion Ratio Lower Upper
96 100
61 152.3 115.4 173.0
98 62.4 51.5 77.3





#13

Acrolein

Concen: 81.233 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 56 Resp: 14428

Ion Ratio Lower Upper

56 100

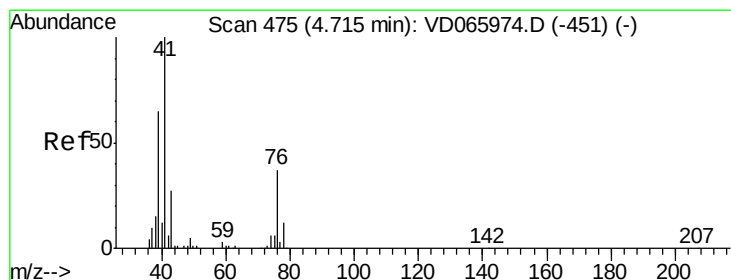
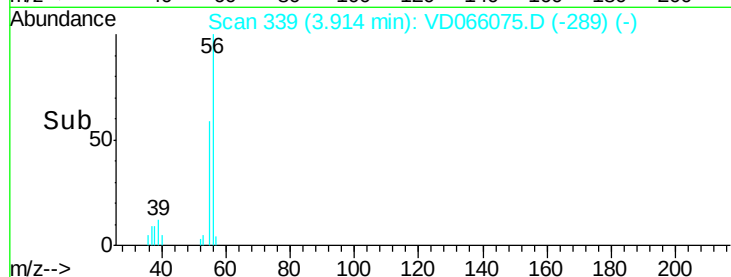
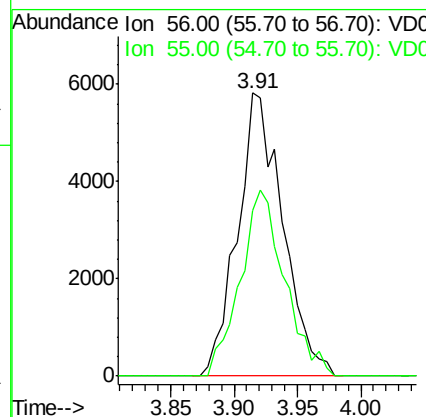
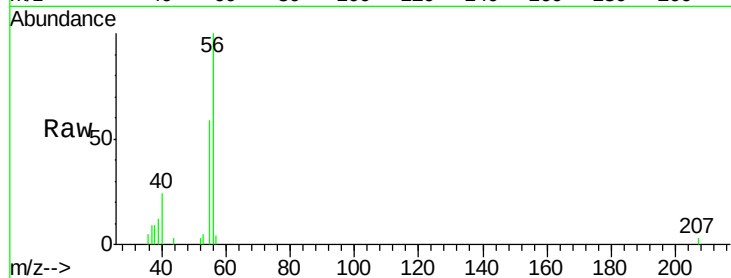
55 64.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.714 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

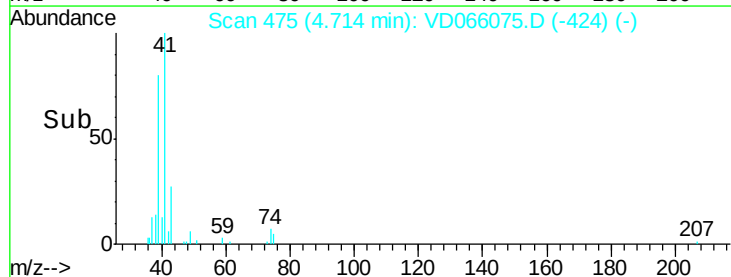
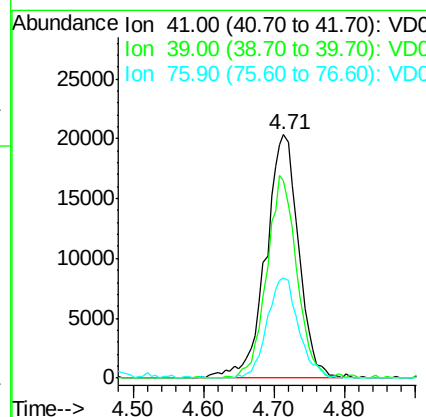
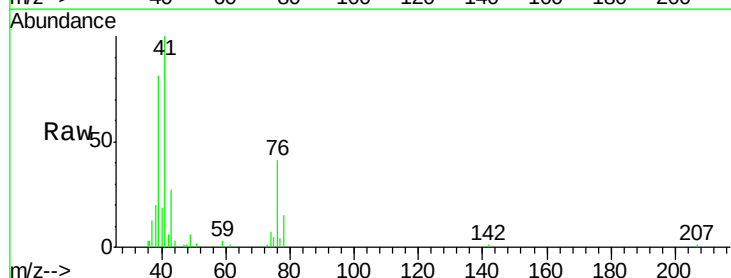
Tgt Ion: 41 Resp: 66010

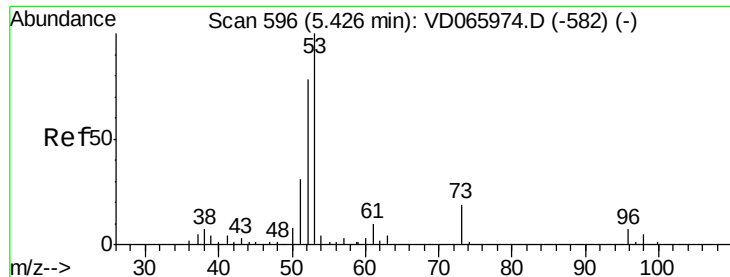
Ion Ratio Lower Upper

41 100

39 75.6 53.4 80.2

76 39.3 29.1 43.7





#15

Acrylonitrile

Concen: 98.601 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

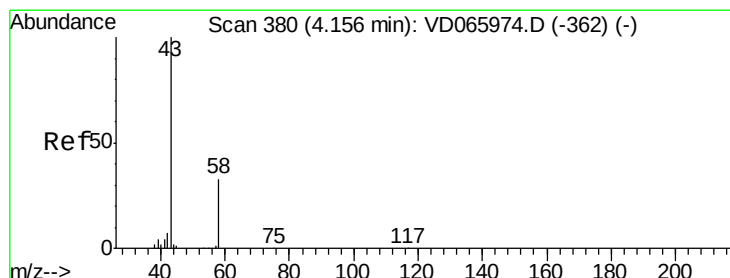
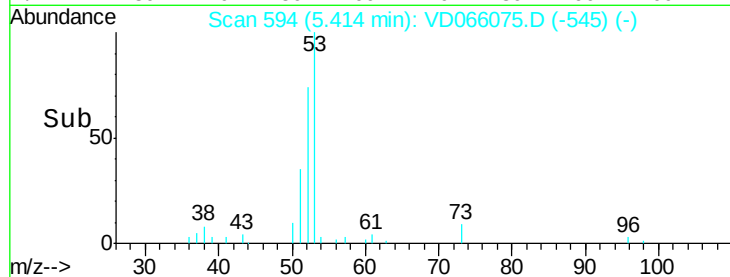
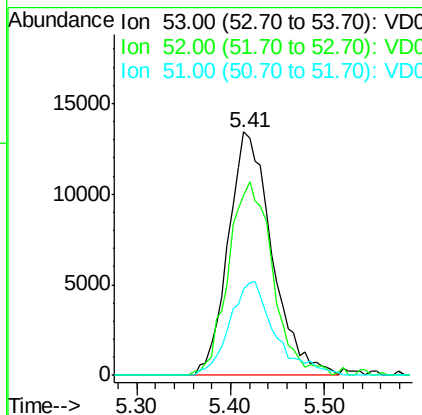
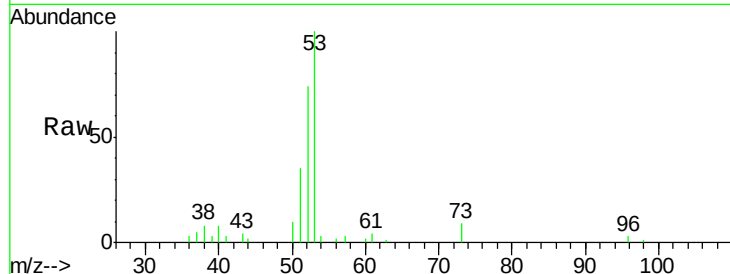
ClientSampleId :

VD0728SBS01

Tgt Ion:	53	Resp:	43274
Ion	Ratio	Lower	Upper
53	100		
52	80.6	67.1	100.7
51	39.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 102.154 ug/l

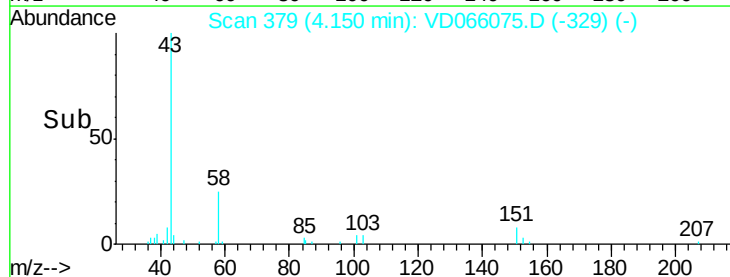
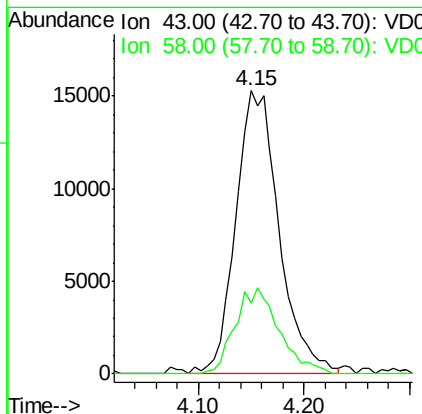
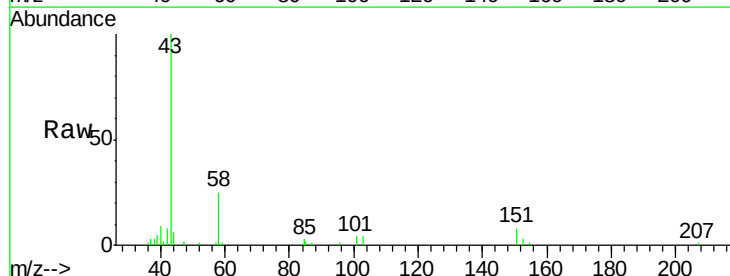
RT: 4.15 min Scan# 379

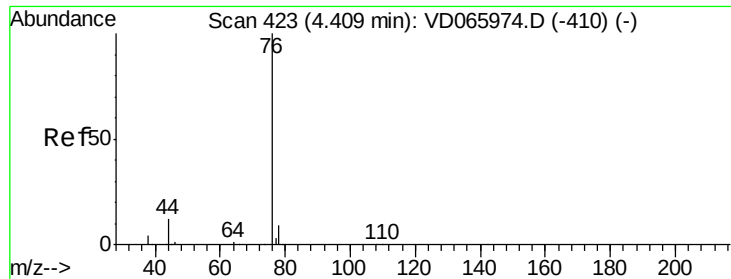
Delta R.T. -0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Tgt Ion:	43	Resp:	43590
Ion	Ratio	Lower	Upper
43	100		
58	25.0	26.3	39.5#





#17

Carbon Disulfide

Concen: 19.941 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 76 Resp: 138560

Ion Ratio Lower Upper

76 100

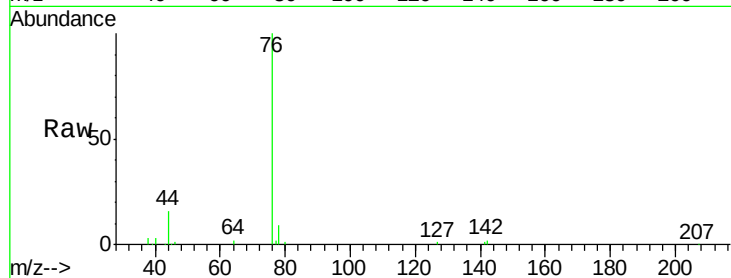
78 9.0 7.4 11.2

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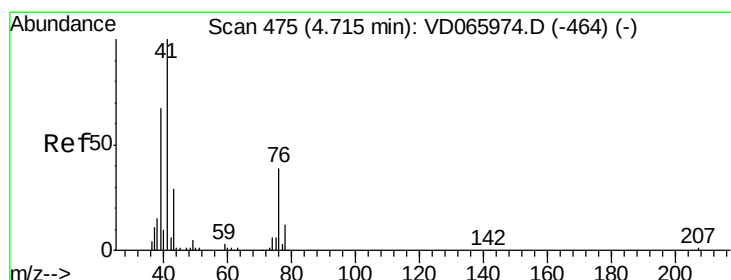
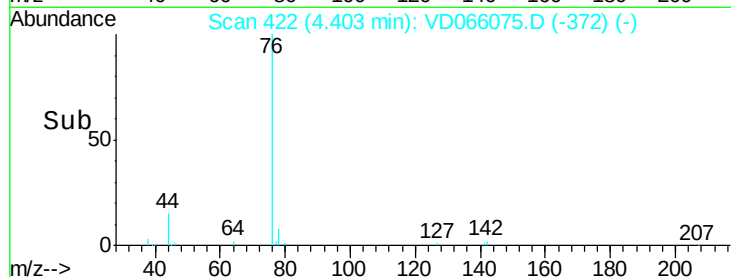
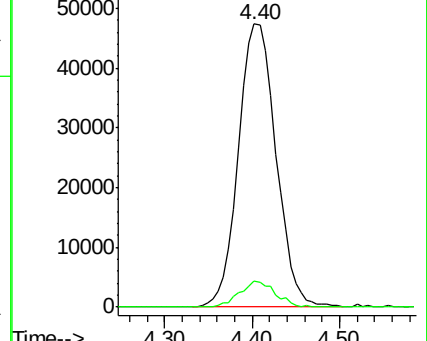
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.054 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066075.D

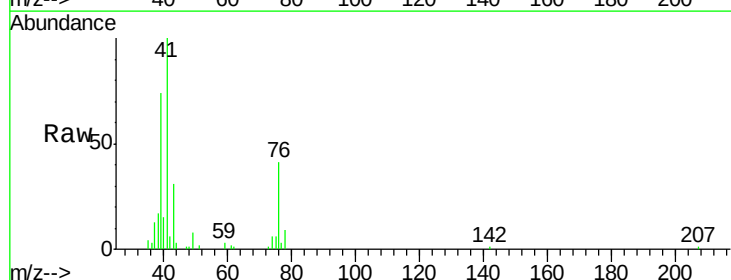
Acq: 28 Jul 2020 12:54

Tgt Ion: 43 Resp: 18914

Ion Ratio Lower Upper

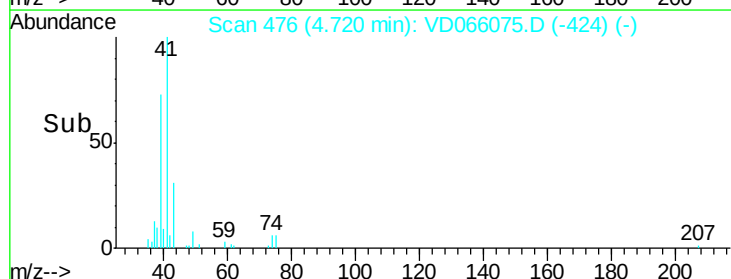
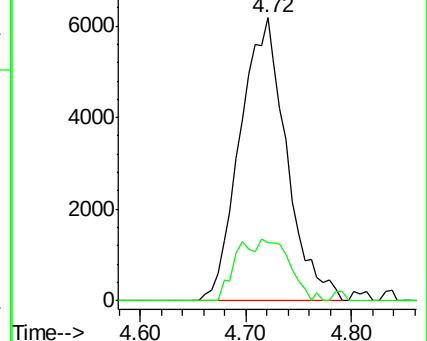
43 100

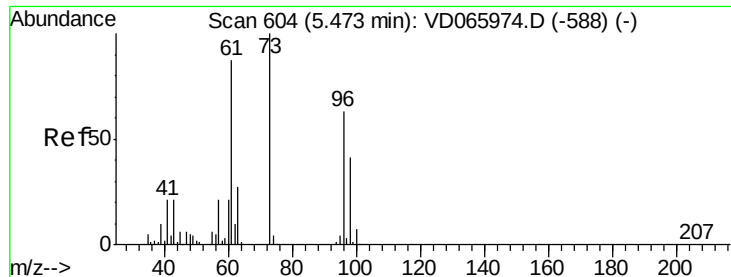
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





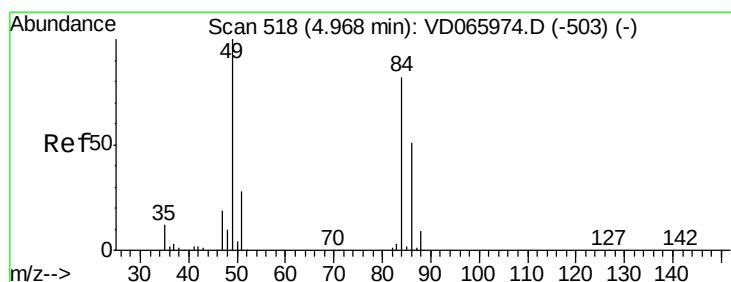
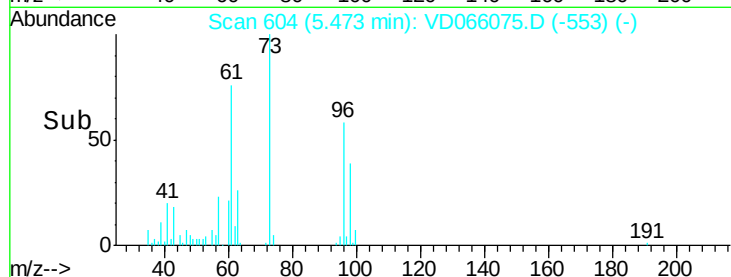
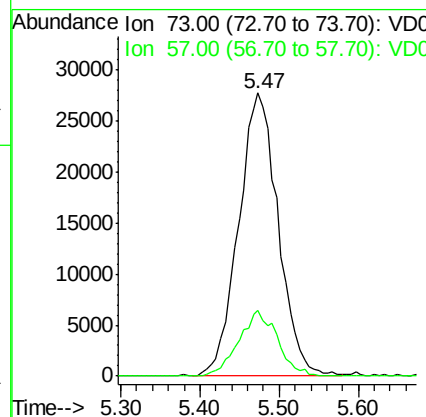
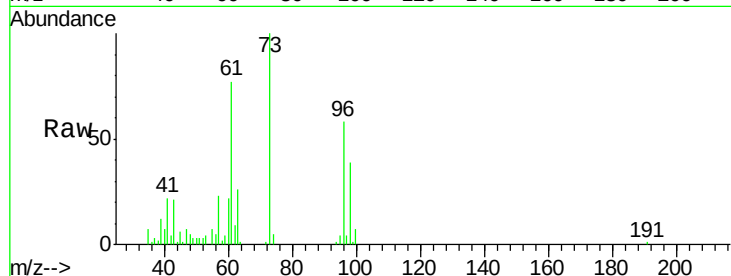
#19
Methyl tert-butyl Ether
Concen: 21.866 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion: 73 Resp: 96235
Ion Ratio Lower Upper
73 100
57 23.4 17.0 25.4

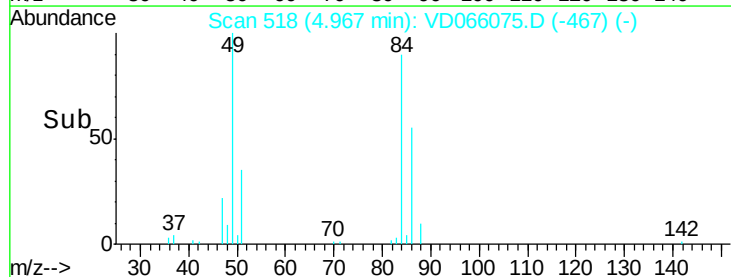
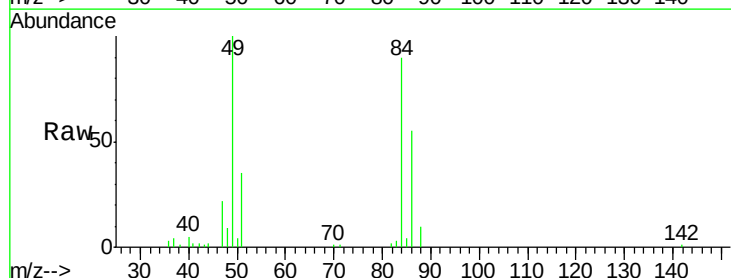
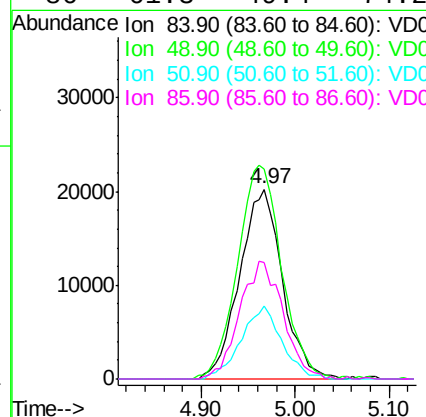
Manual Integrations
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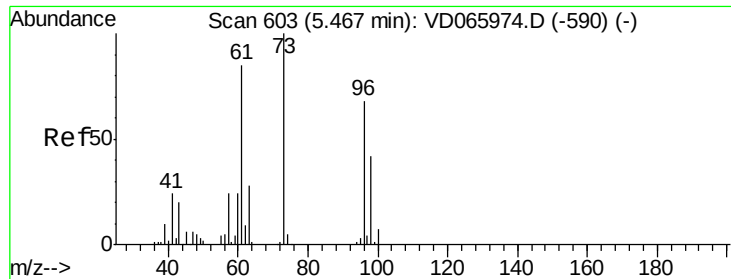
MMDadoda
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#20
Methylene Chloride
Concen: 25.646 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion: 84 Resp: 63919
Ion Ratio Lower Upper
84 100
49 110.5 97.7 146.5
51 38.5 27.4 41.2
86 61.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.093 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

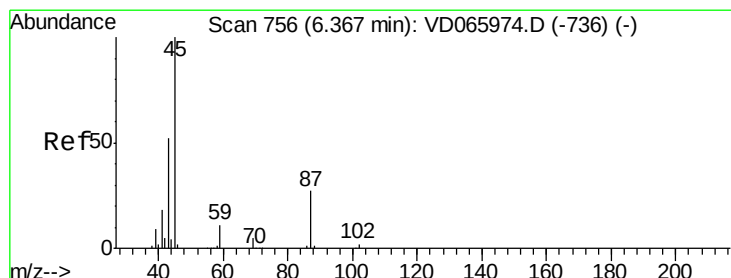
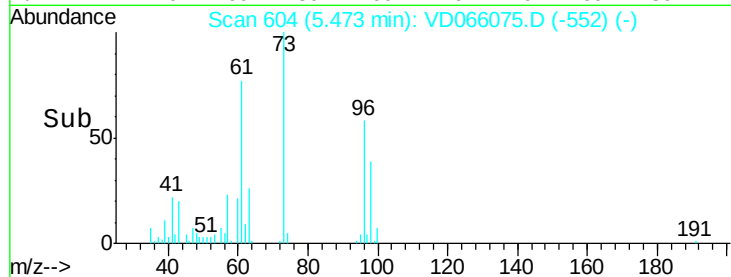
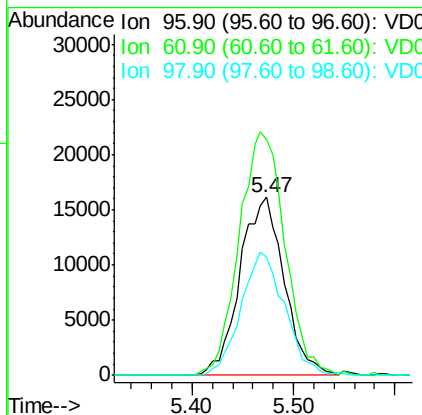
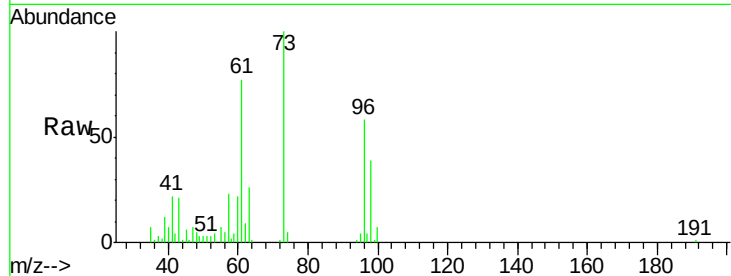
ClientSampleId :

VD0728SBS01

Tgt Ion:	96	Resp:	48646
Ion	Ratio	Lower	Upper
96	100		
61	132.2	100.5	150.7
98	66.6	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.101 ug/l

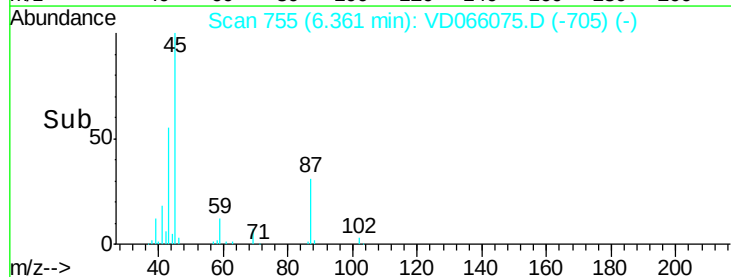
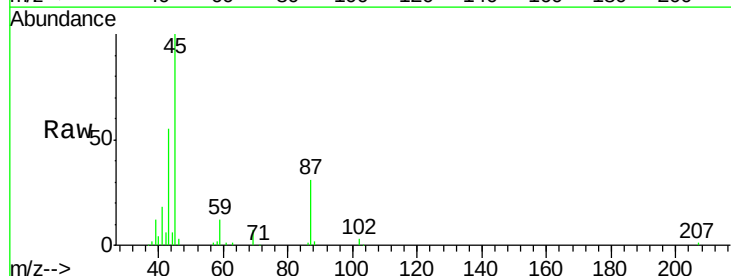
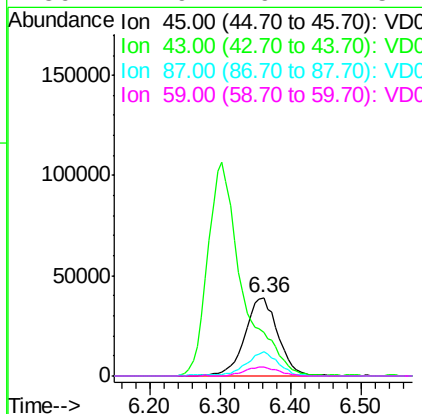
RT: 6.36 min Scan# 755

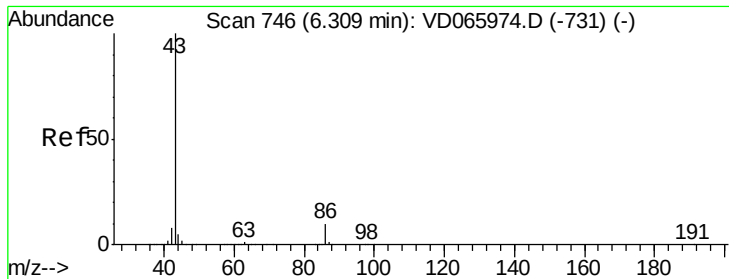
Delta R.T. -0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Tgt Ion:	45	Resp:	127875
Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.0	64.4
87	30.9	22.0	33.0
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 100.899 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 43 Resp: 361993

Ion Ratio Lower Upper

43 100

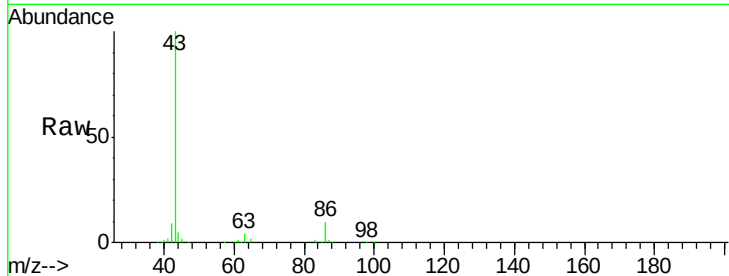
86 10.3 7.9 11.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

120000

100000

80000

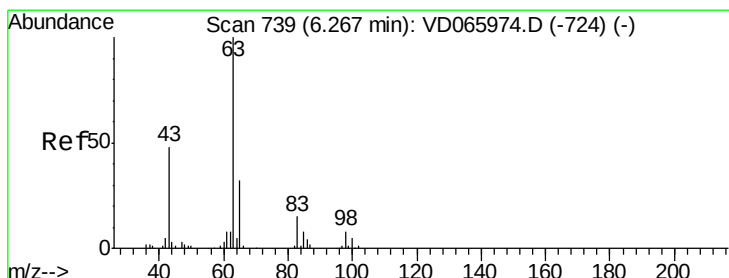
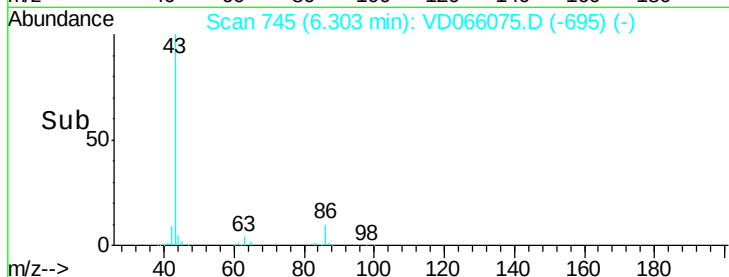
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.398 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

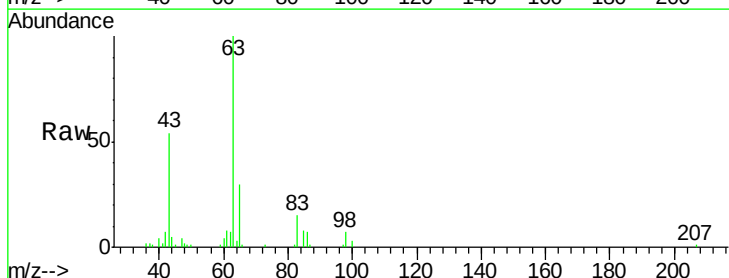
Tgt Ion: 63 Resp: 82480

Ion Ratio Lower Upper

63 100

98 6.8 4.3 12.8

100 3.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

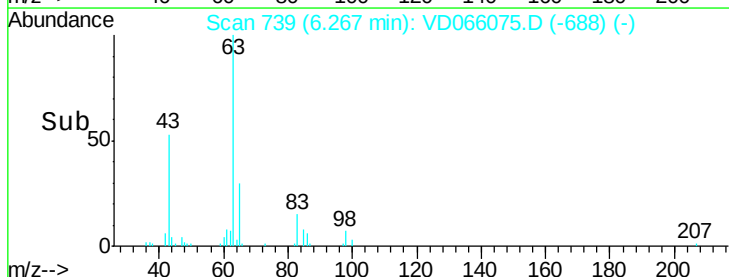
30000

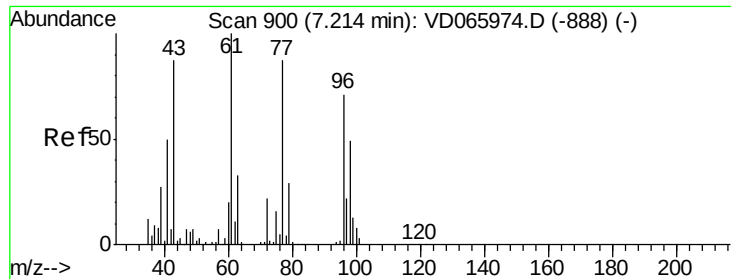
20000

10000

0

Time-->





#25

2-Butanone

Concen: 99.319 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 43 Resp: 56235

Ion Ratio Lower Upper

43 100

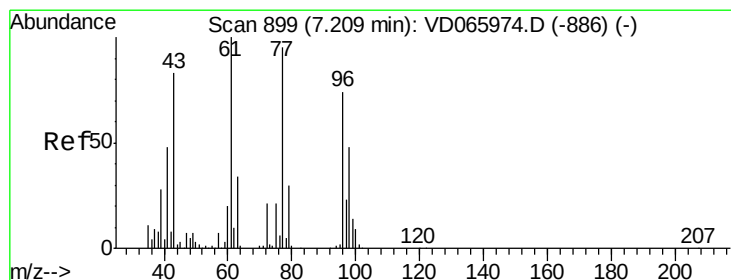
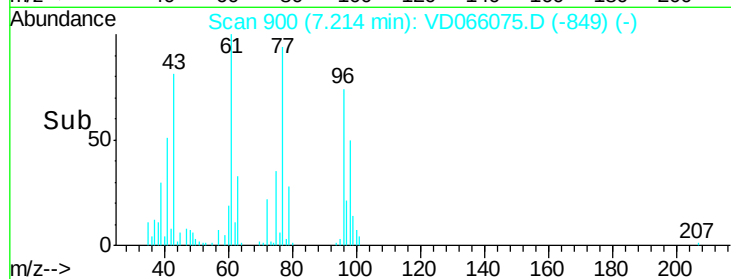
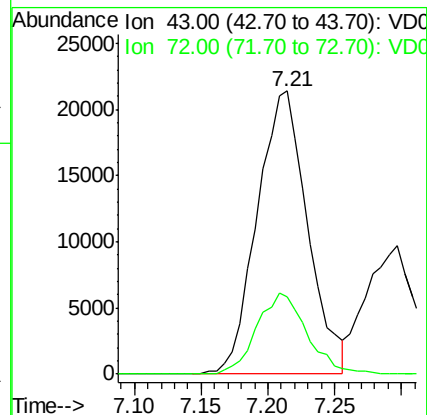
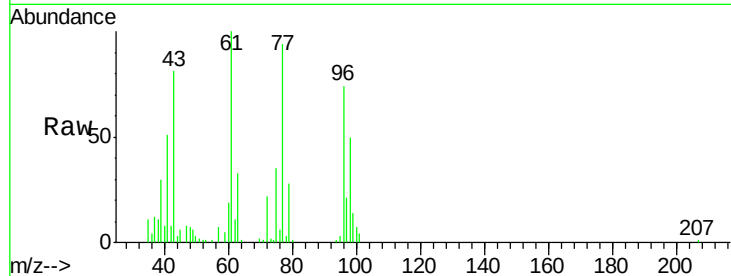
72 27.2 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.786 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066075.D

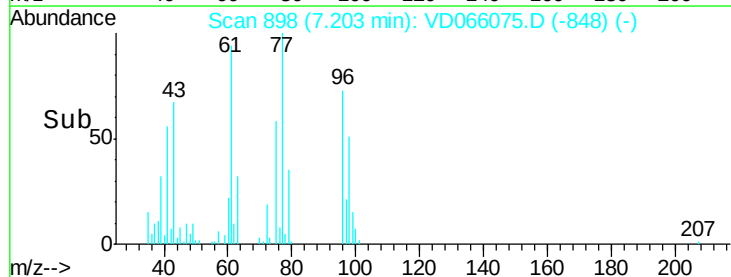
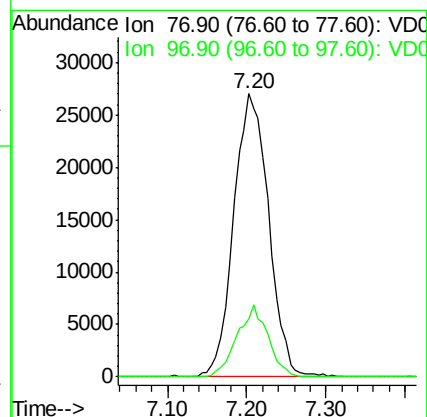
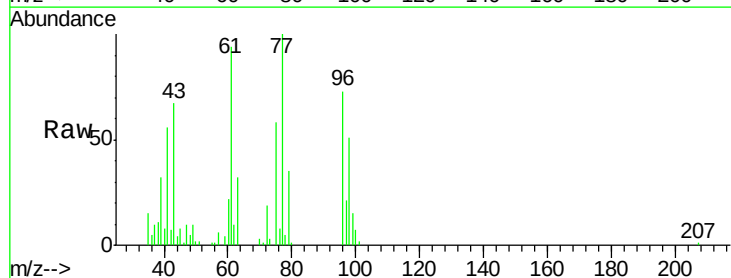
Acq: 28 Jul 2020 12:54

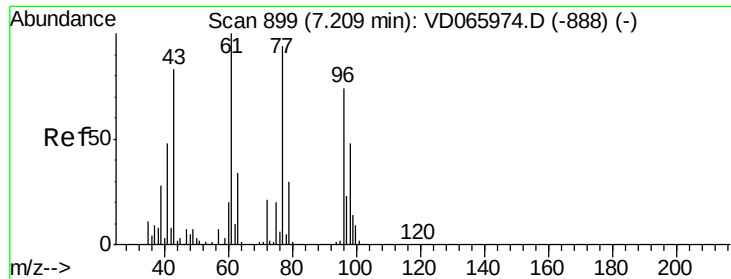
Tgt Ion: 77 Resp: 82448

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





#27

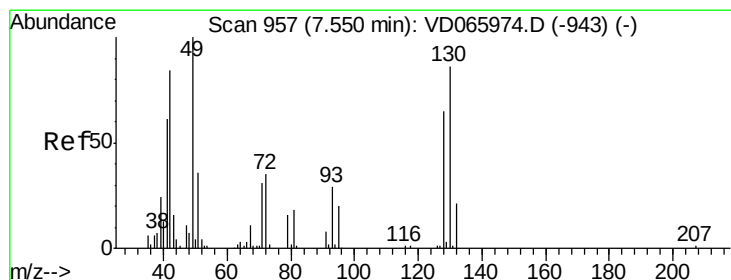
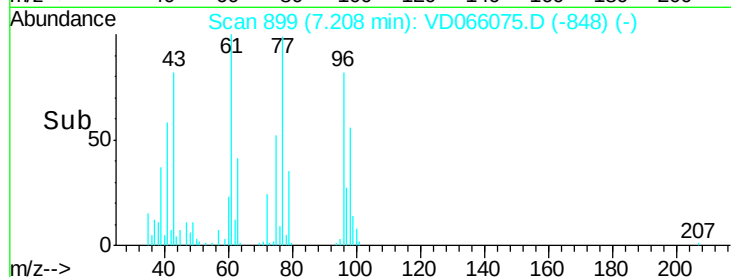
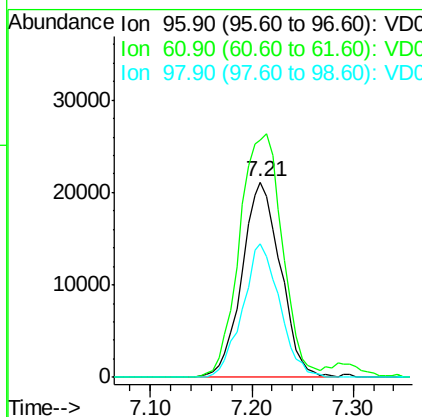
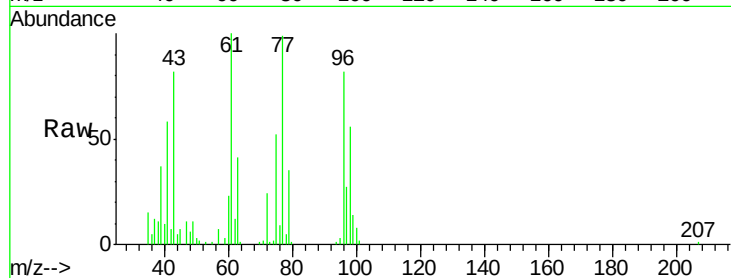
cis-1,2-Dichloroethene
 Concen: 21.722 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	55681		
61	138.5	0.0	276.6	
98	65.8	0.0	130.8	

Manual Integrations
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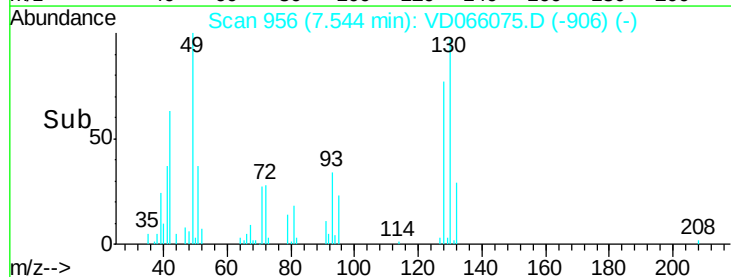
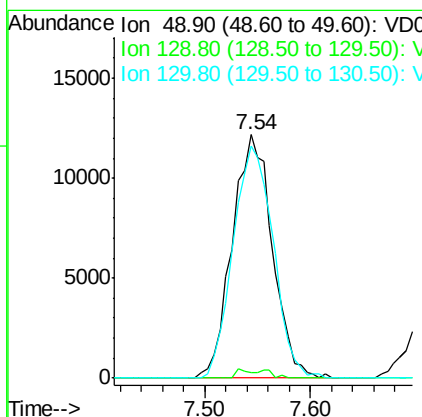
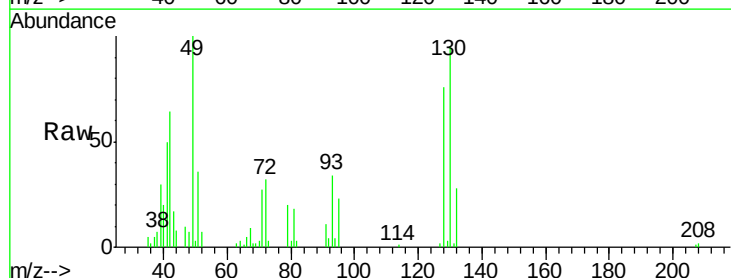
MMDadoda
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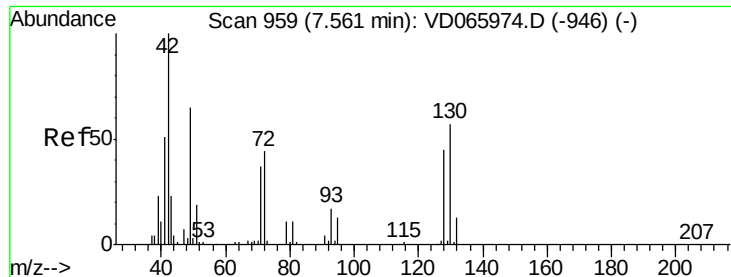


#28

Bromochloromethane
 Concen: 19.562 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32002		
129	1.6	0.0	4.8	
130	95.9	68.4	102.6	





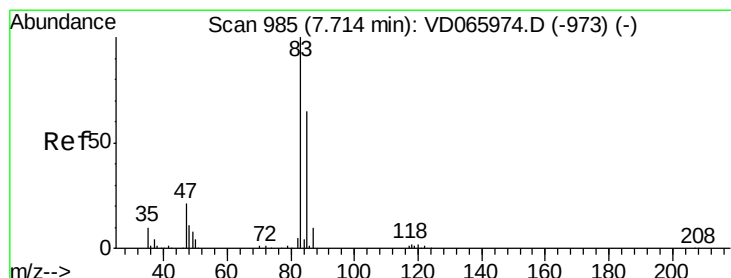
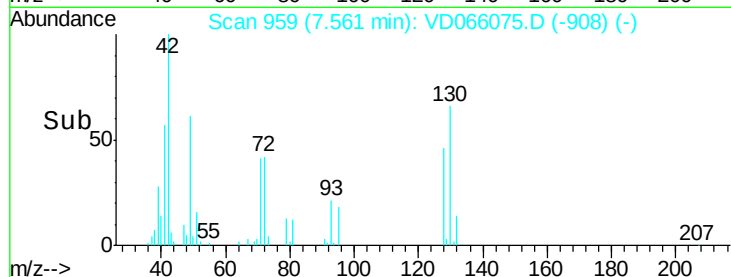
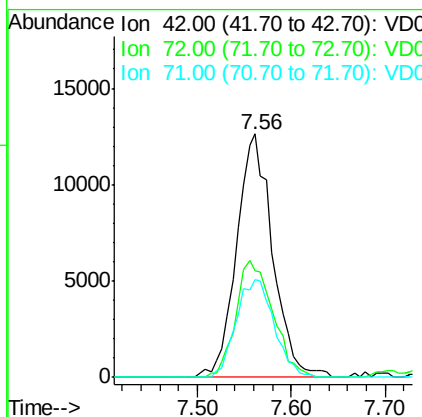
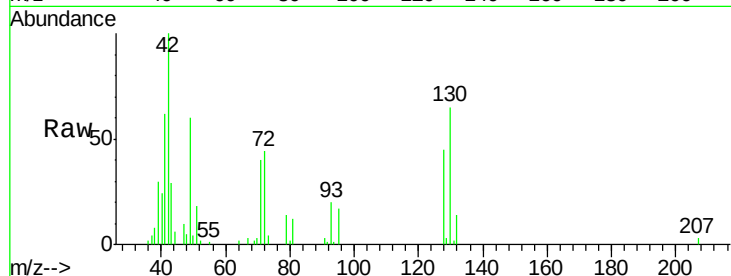
#29
Tetrahydrofuran
Concen: 95.937 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.4	34.2	51.2
71	42.2	31.4	47.2

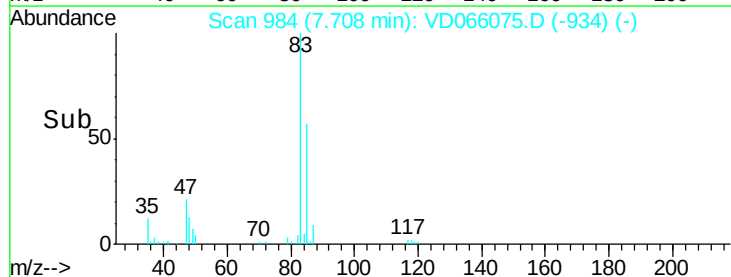
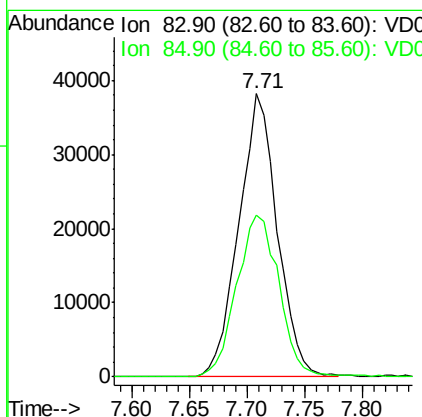
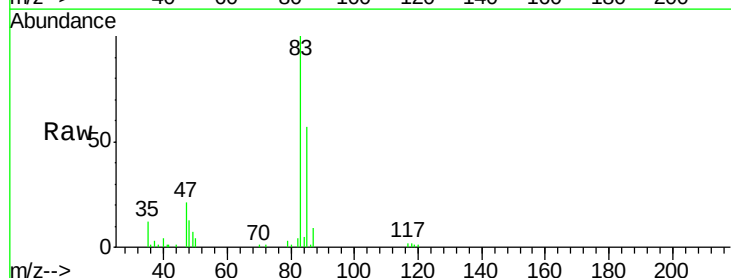
Manual Integrations
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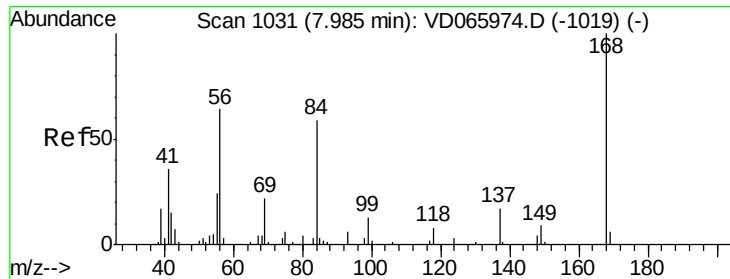
MMDadoda
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#30
Chloroform
Concen: 21.995 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.0	52.1	78.1





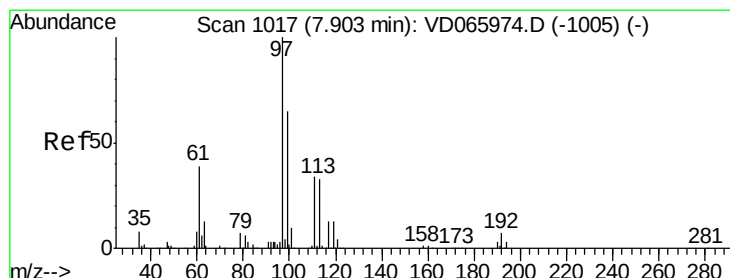
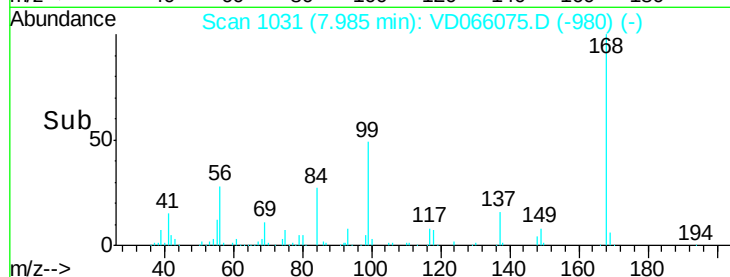
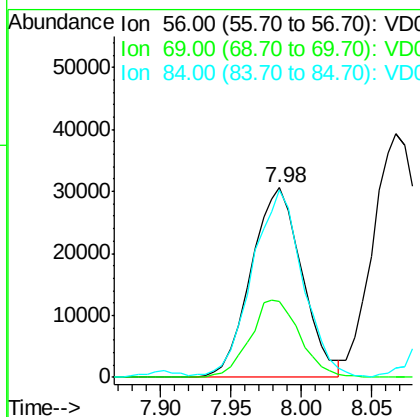
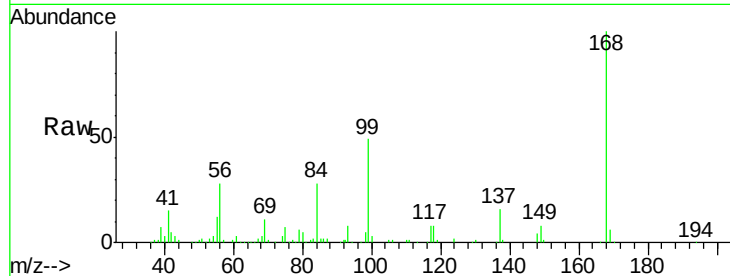
#31
Cyclohexane
Concen: 20.438 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	40.0	28.0	42.0
84	98.1	72.6	109.0

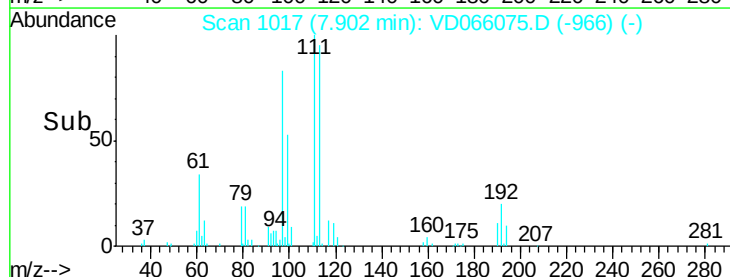
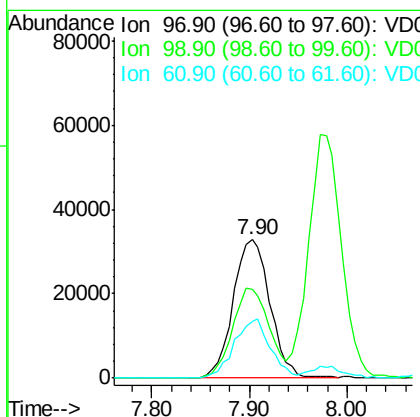
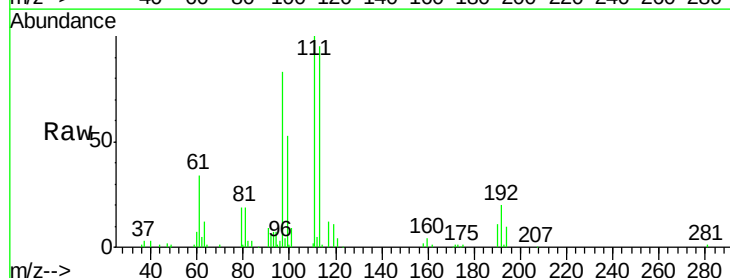
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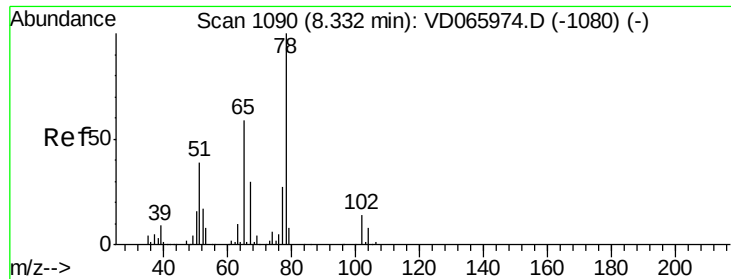
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 23.145 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	41.5	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 55.560 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 65 Resp: 117127

Ion Ratio Lower Upper

65 100

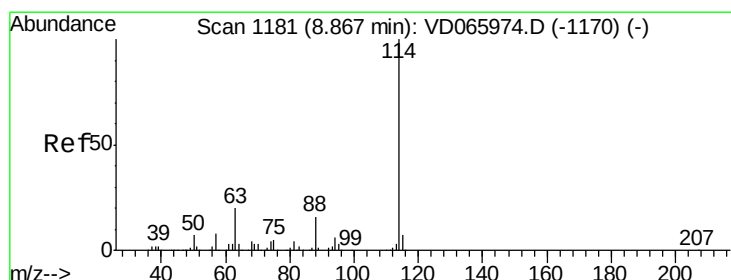
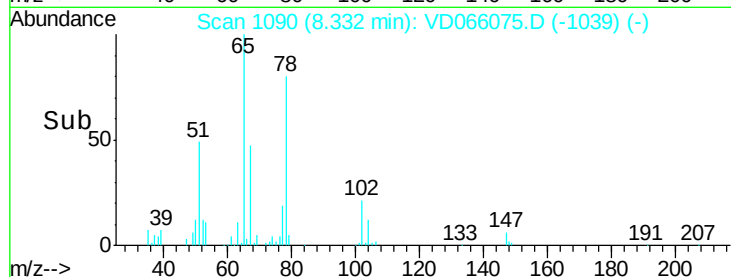
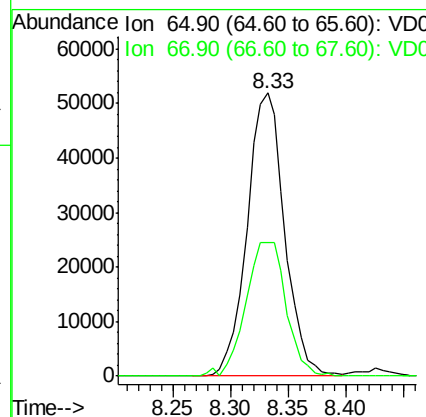
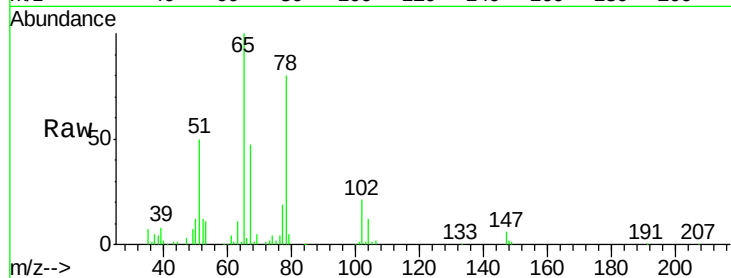
67 51.2 0.0 105.0

Manual Integrations

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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: VD066075.D

Acq: 28 Jul 2020 12:54

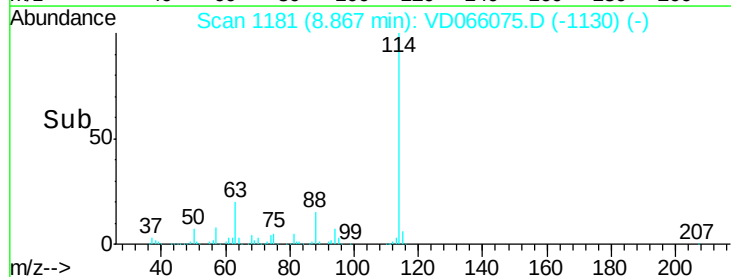
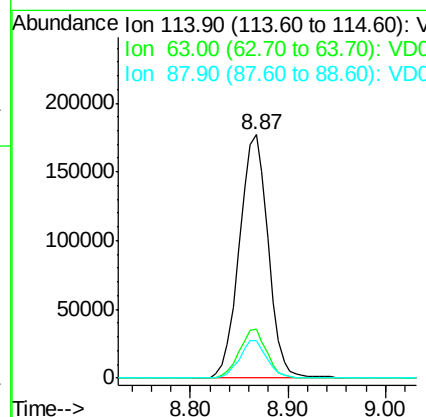
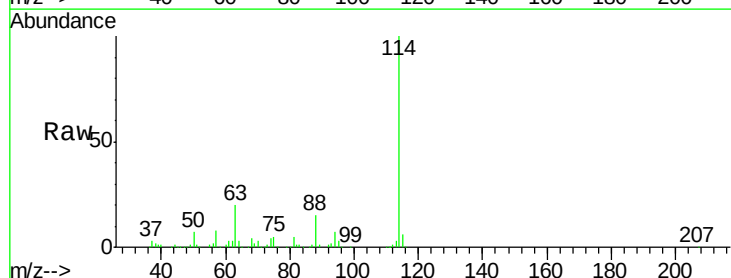
Tgt Ion: 114 Resp: 363695

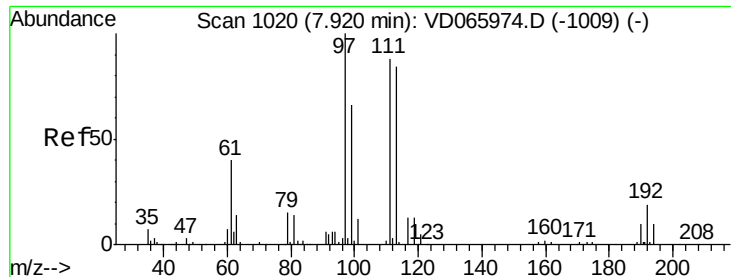
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.5 0.0 31.2





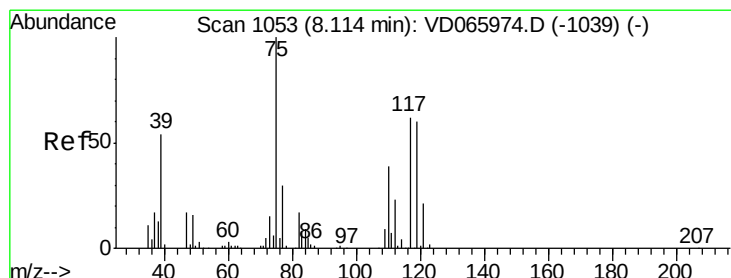
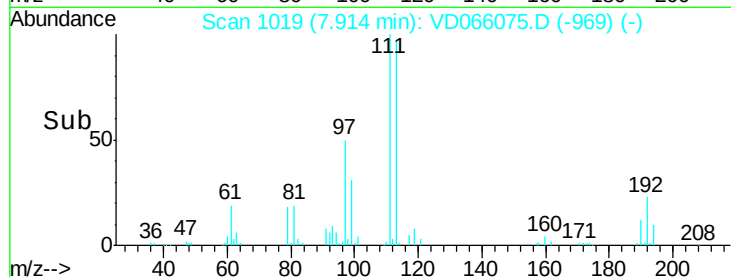
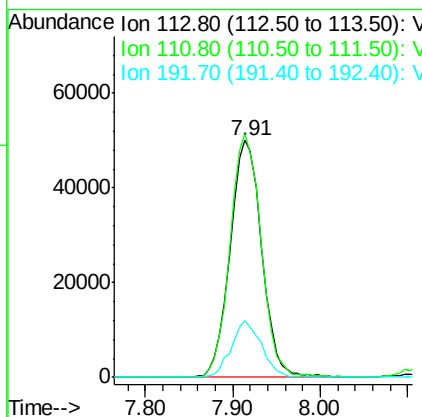
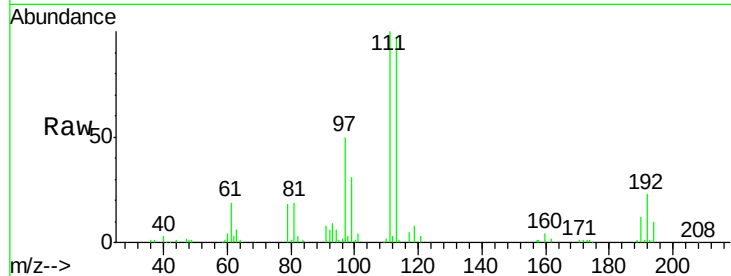
#35
Dibromofluoromethane
Concen: 55.479 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	122382		
111	101.1	83.2	124.8	
192	22.7	18.7	28.1	

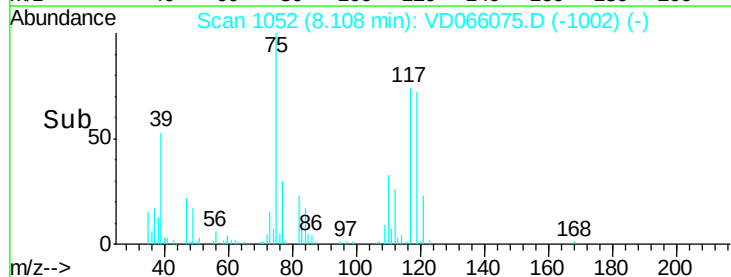
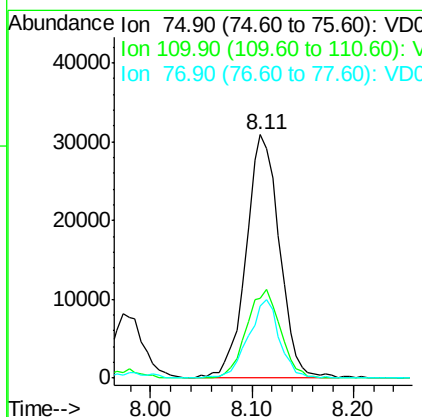
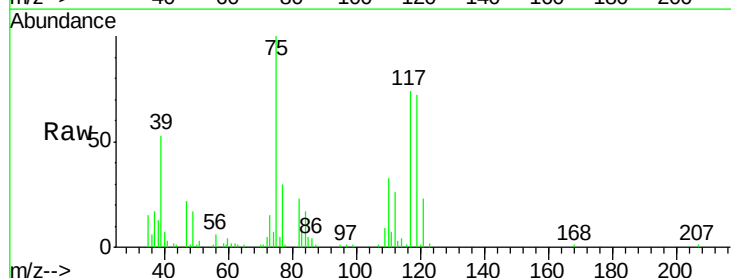
Manual Integrations
APPROVED

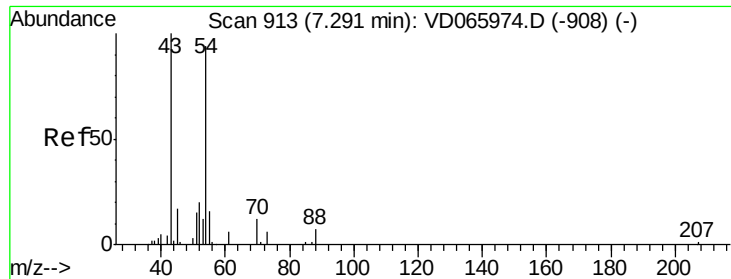
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#36
1,1-Dichloropropene
Concen: 22.752 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70622		
110	36.8	19.5	58.5	
77	30.0	24.7	37.1	





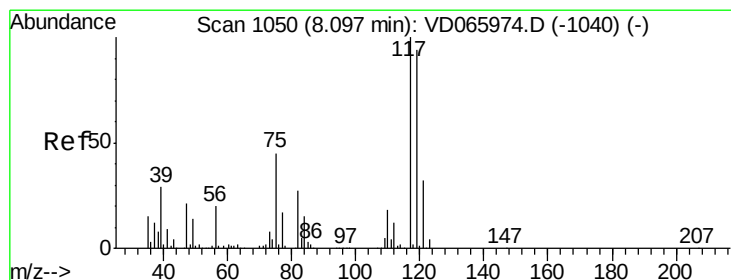
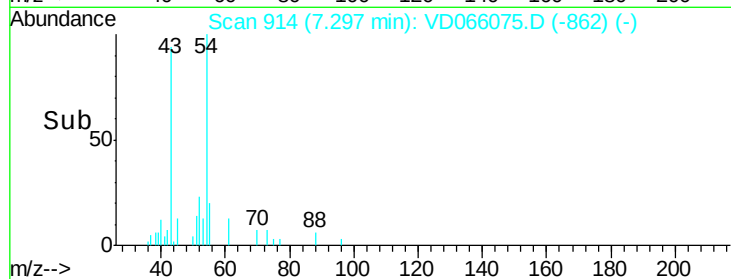
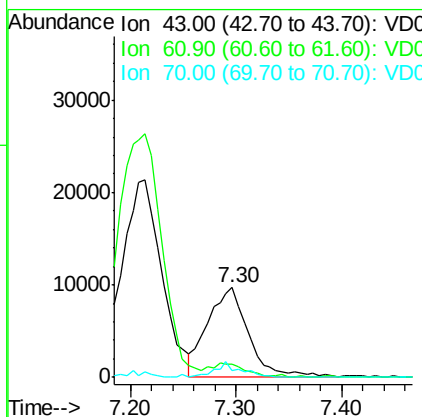
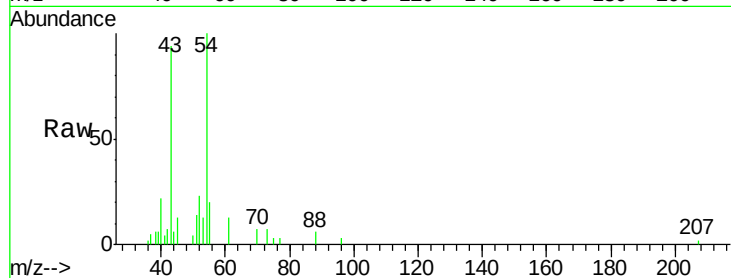
#37
Ethyl Acetate
Concen: 22.043 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	11.4	9.3	13.9

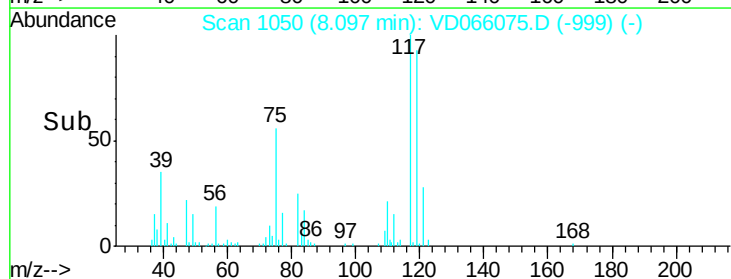
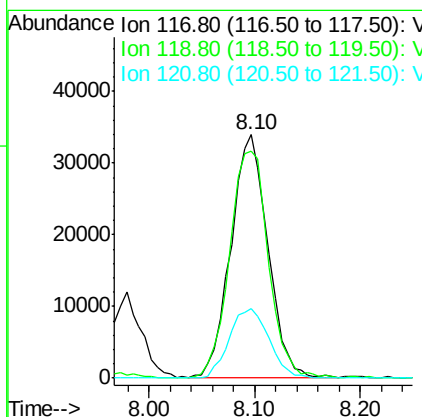
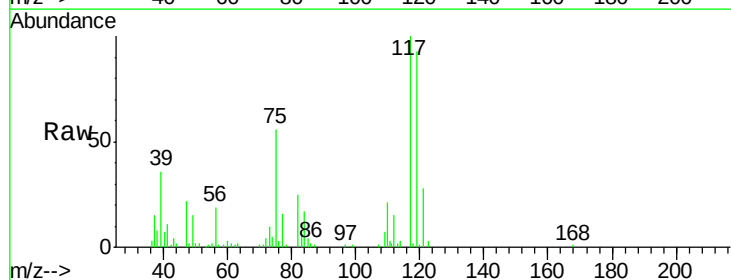
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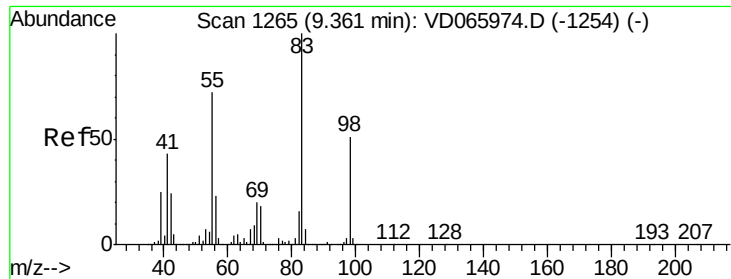
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#38
Carbon Tetrachloride
Concen: 24.576 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	75.0	112.6
121	28.5	25.5	38.3





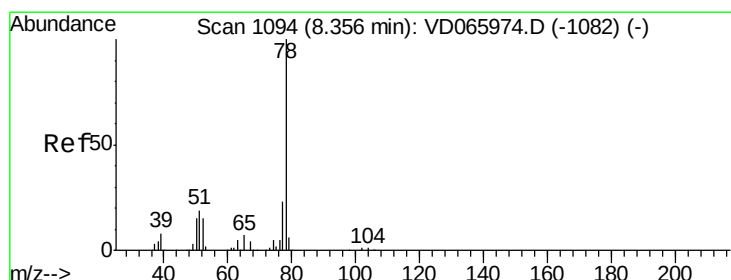
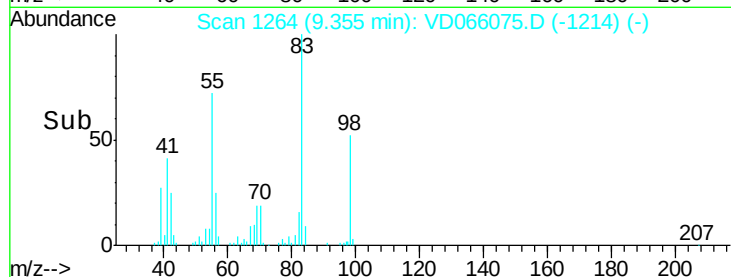
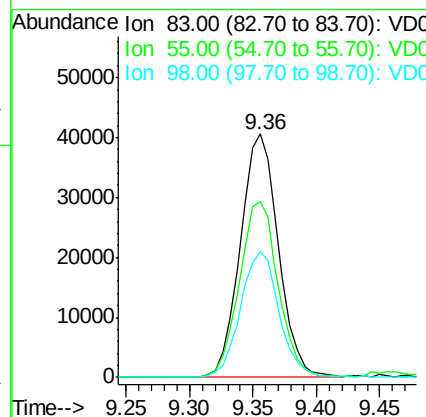
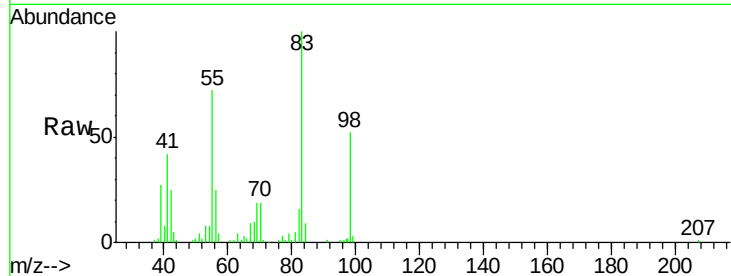
#39
Methylcyclohexane
Concen: 22.471 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.1	57.3	85.9
98	51.6	41.0	61.6

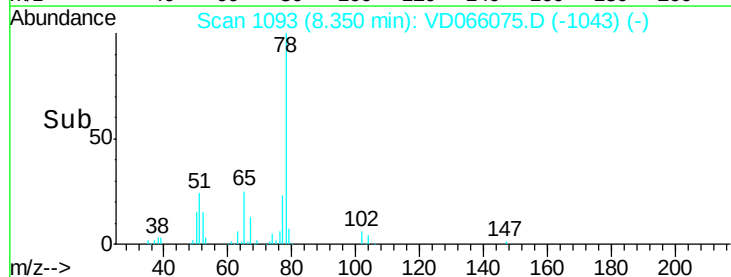
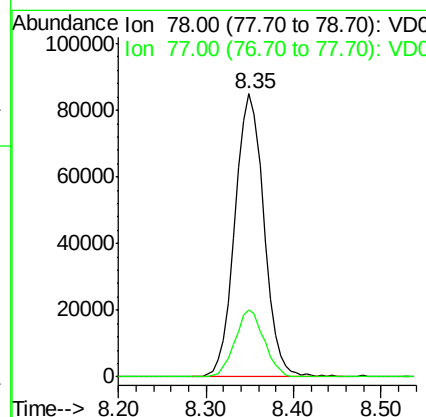
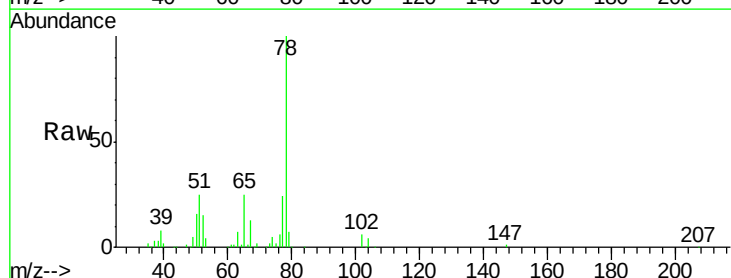
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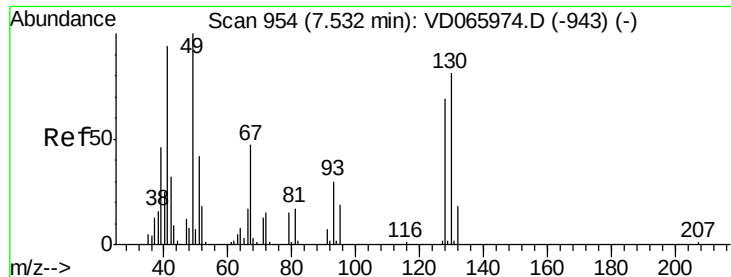
MMDadoda
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#40
Benzene
Concen: 21.971 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





#41

Methacrylonitrile

Concen: 25.401 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 41 Resp: 17249

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

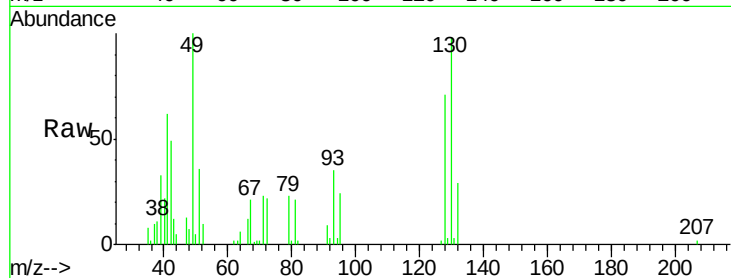
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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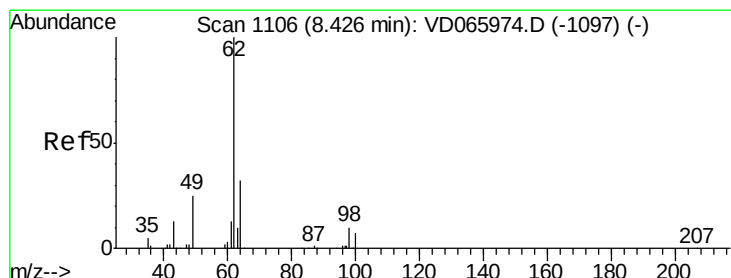
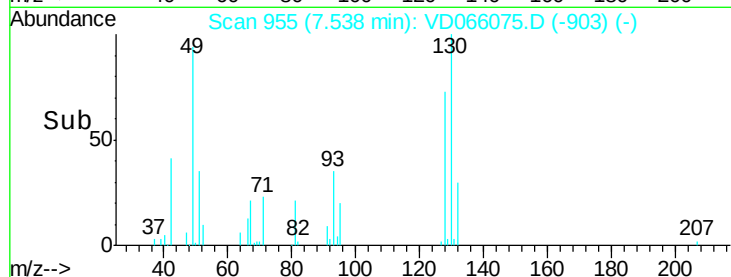
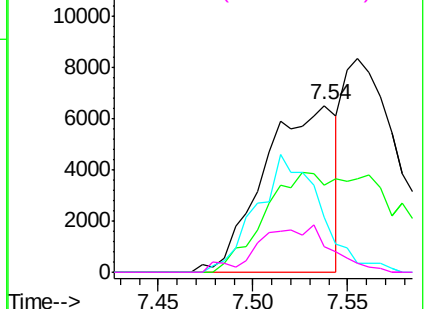


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 23.336 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD066075.D

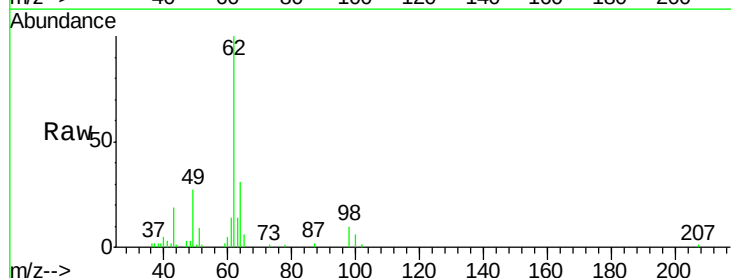
Acq: 28 Jul 2020 12:54

Tgt Ion: 62 Resp: 55530

Ion Ratio Lower Upper

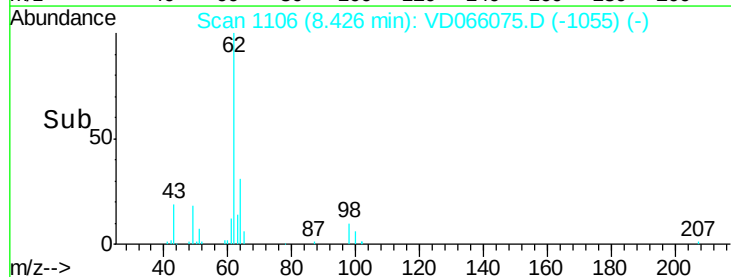
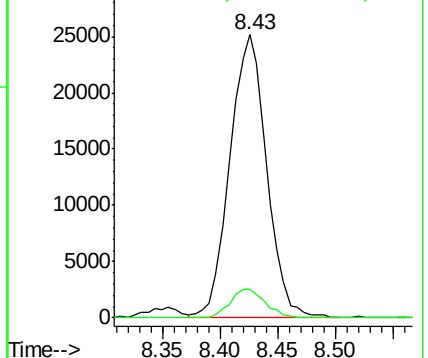
62 100

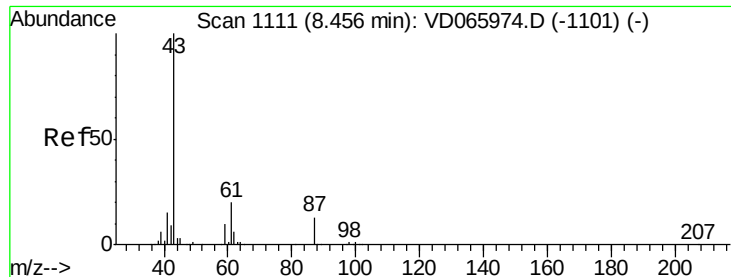
98 9.8 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





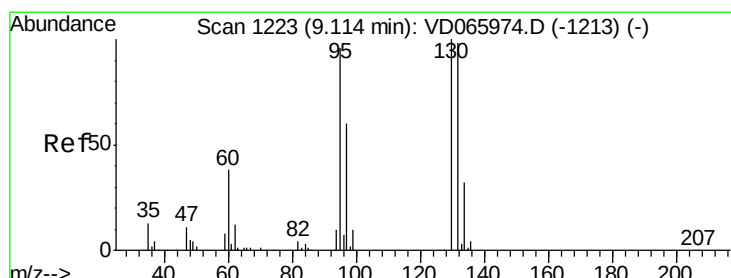
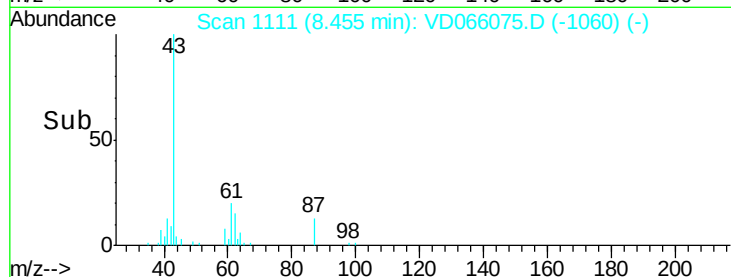
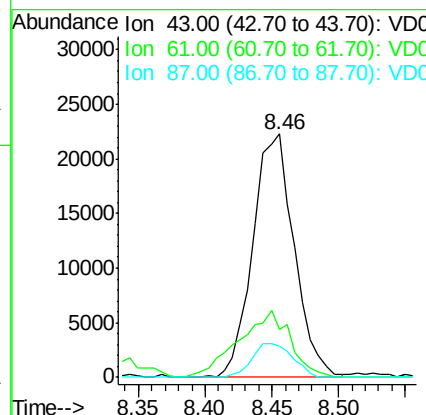
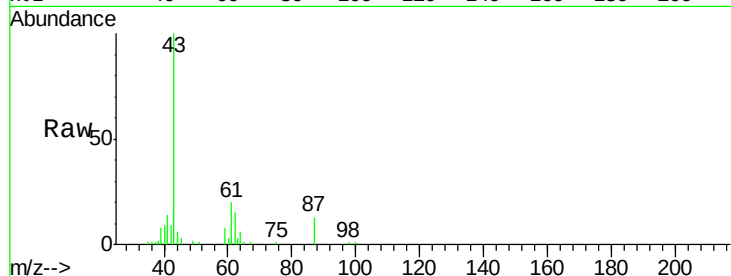
#43
Isopropyl Acetate
Concen: 20.610 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	34.4	25.8	38.8
87	13.5	10.9	16.3

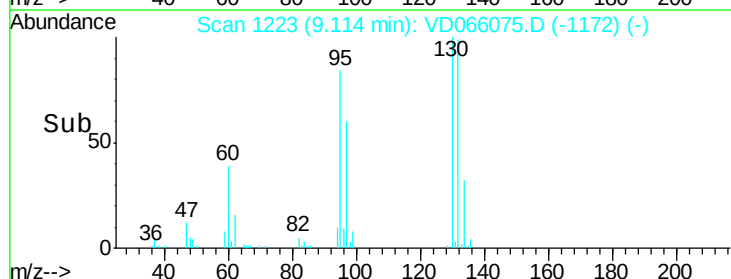
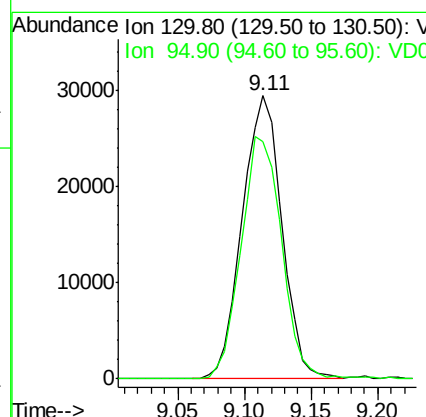
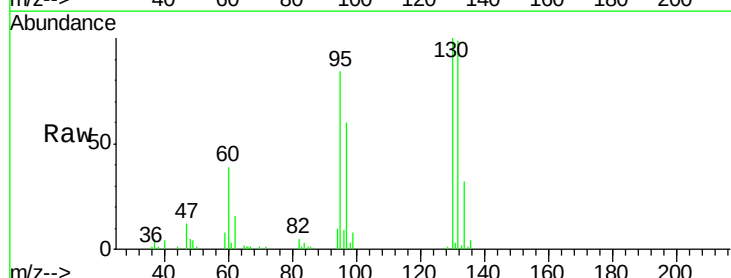
Manual Integrations
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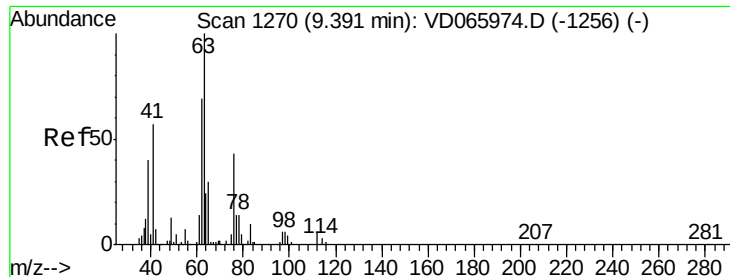
MMDadoda
7/29/2020 7:05:56 PM



#44
Trichloroethene
Concen: 23.044 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.0	0.0	191.6





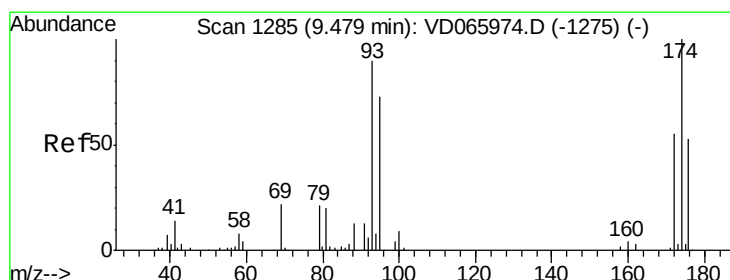
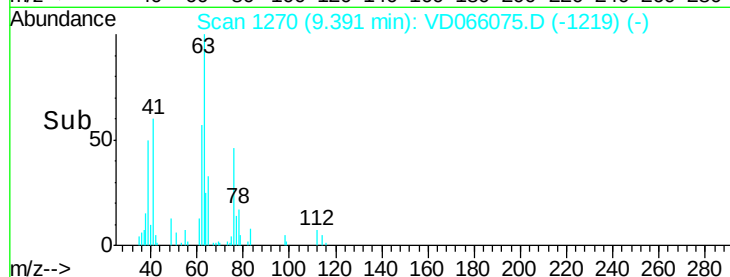
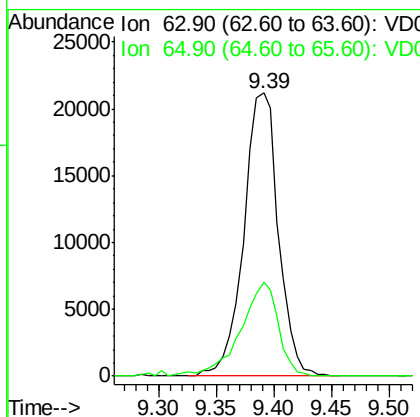
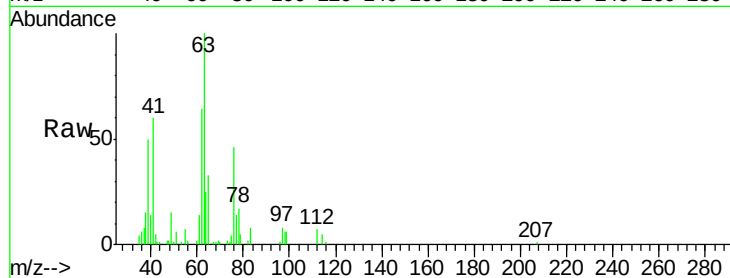
#45
 1,2-Dichloropropane
 Concen: 21.007 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBSD01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.0	36.0

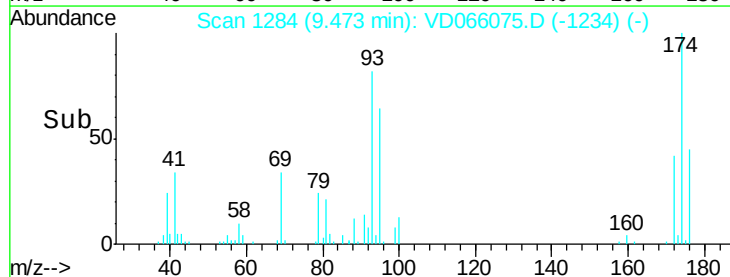
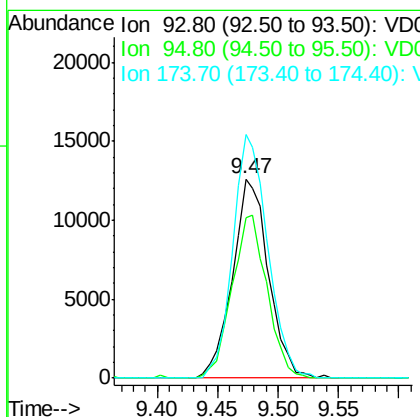
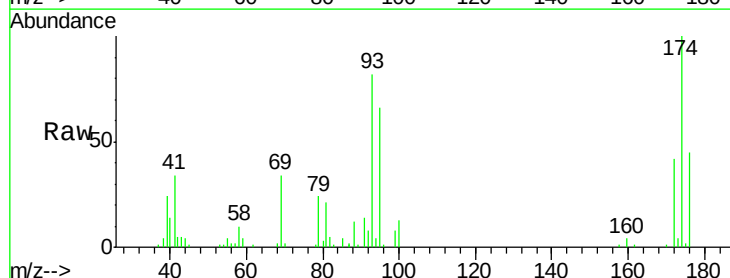
Manual Integrations
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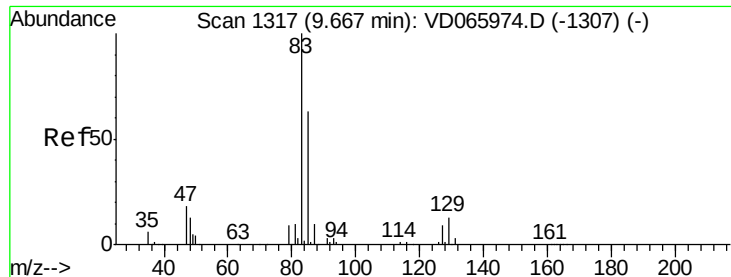
MMDadoda
 7/29/2020 7:05:56 PM



#46
 Dibromomethane
 Concen: 23.085 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.7	66.2	99.4
174	118.8	91.5	137.3





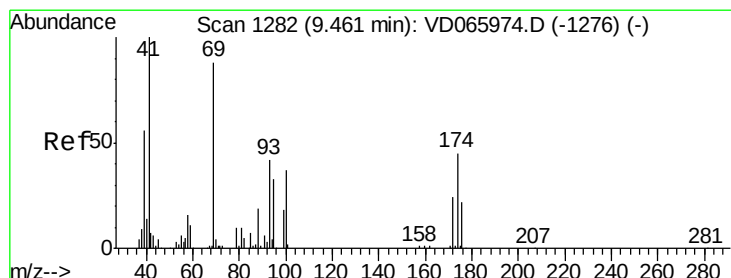
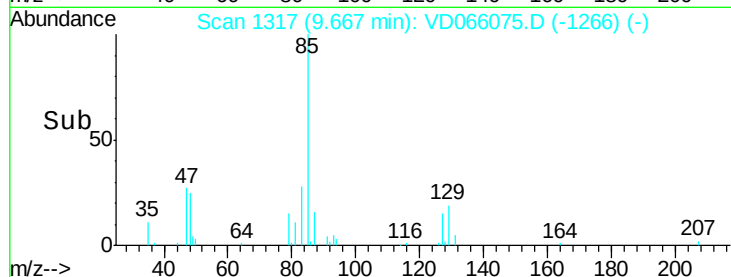
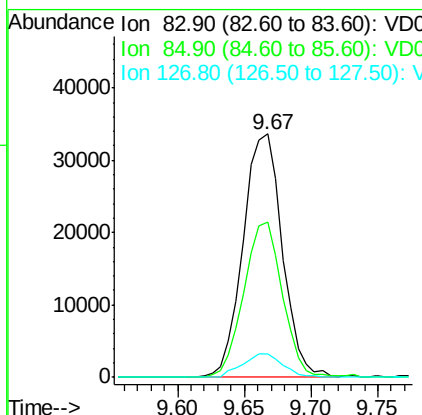
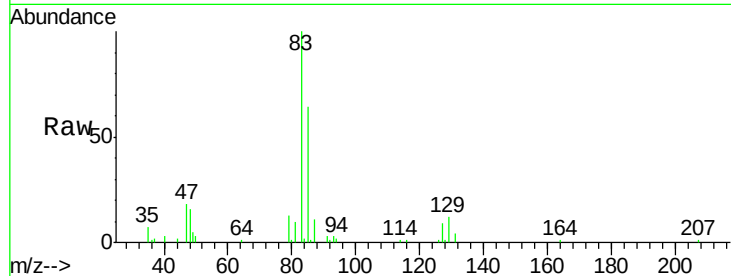
#47
Bromodichloromethane
Concen: 22.815 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	68299		
85	63.9		50.6	75.8
127	9.4		7.1	10.7

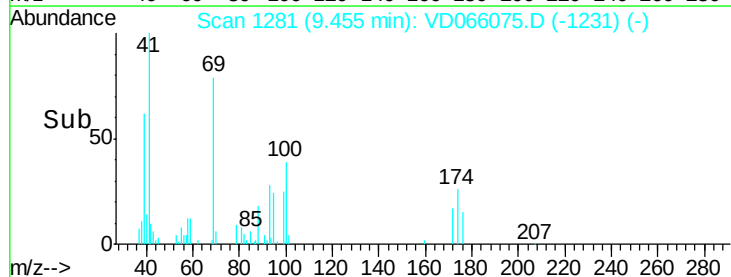
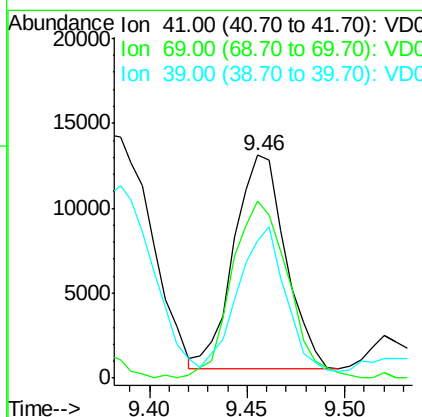
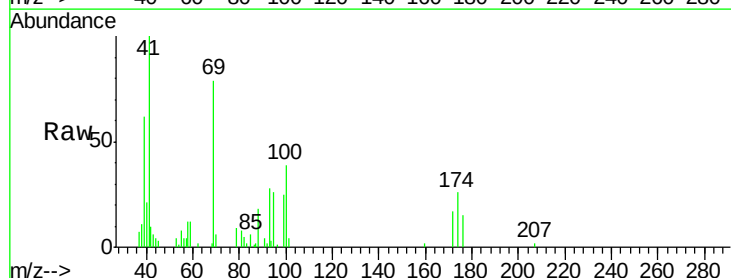
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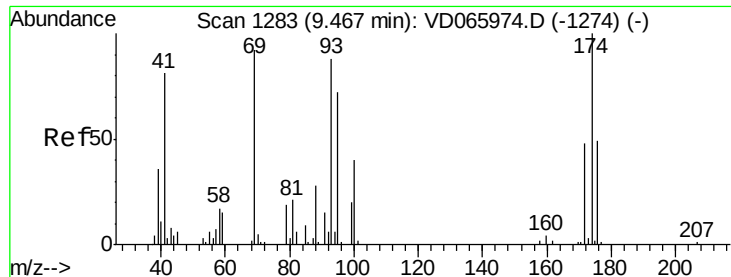
MMDadoda
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#48
Methyl methacrylate
Concen: 19.692 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	22998		
69	90.1		65.1	97.7
39	62.1		41.5	62.3





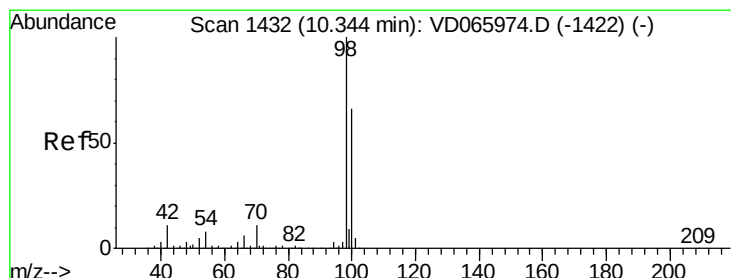
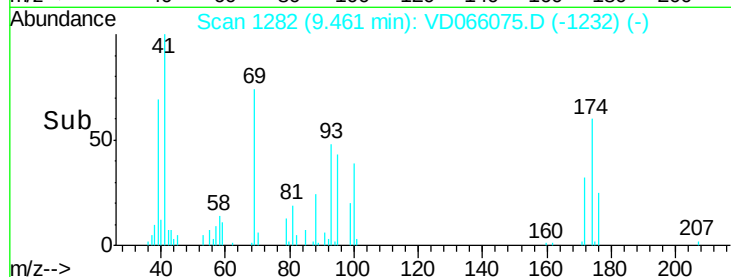
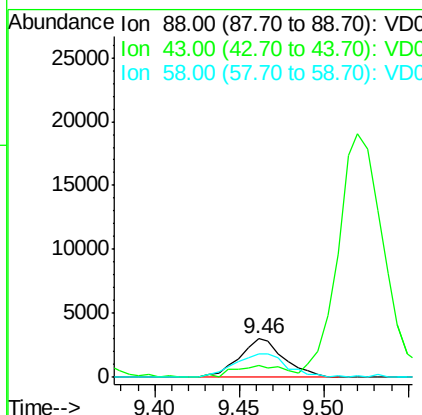
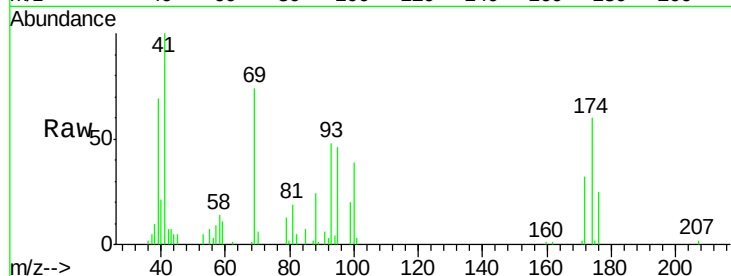
#49
1,4-Dioxane
Concen: 422.656 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.0	29.0	43.6
58	71.4	57.0	85.4

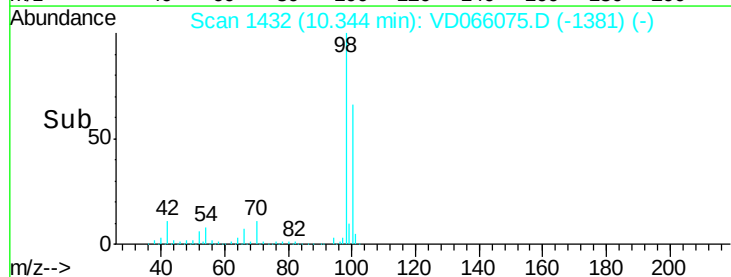
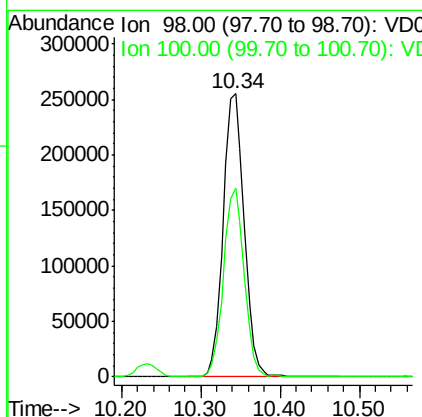
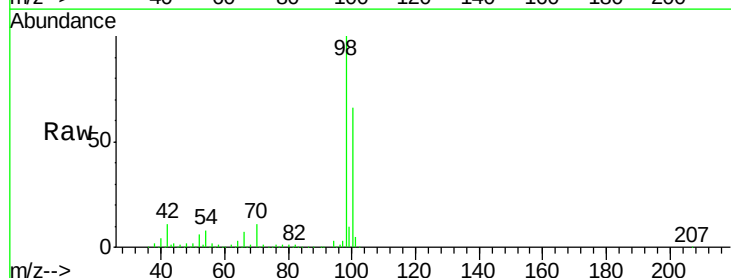
Manual Integrations
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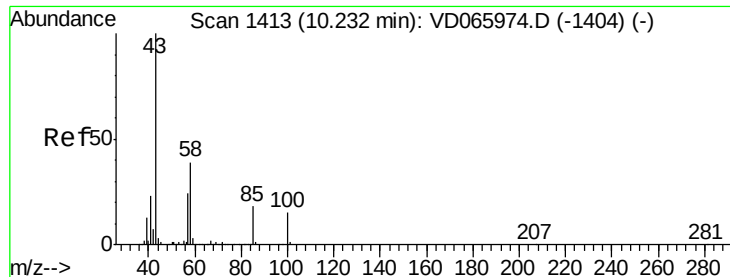
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#50
Toluene-d8
Concen: 56.994 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1





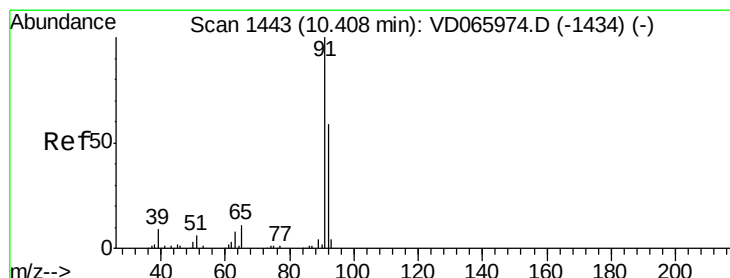
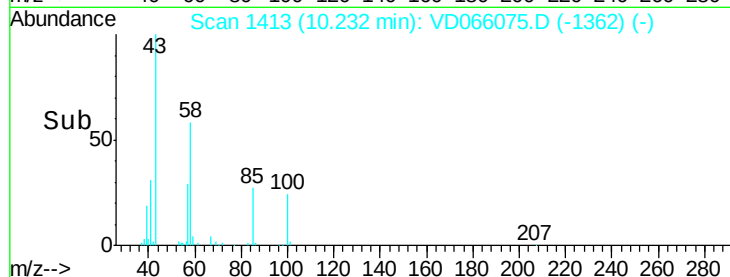
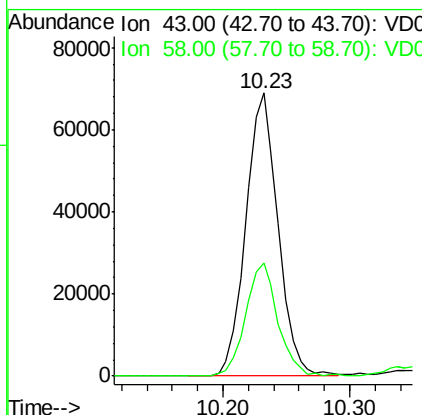
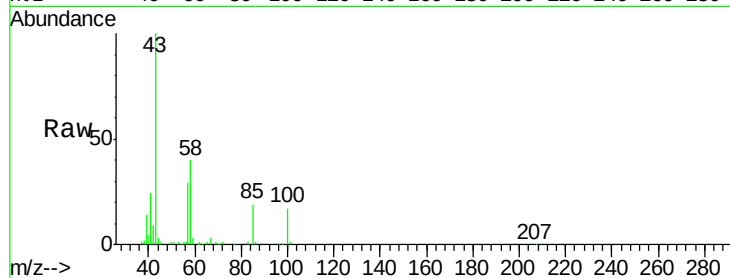
#51
 4-Methyl-2-Pentanone
 Concen: 104.225 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.3	46.9

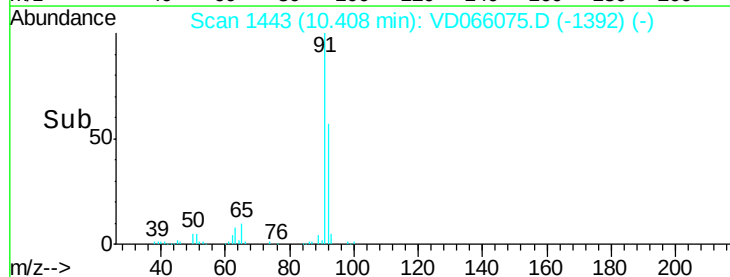
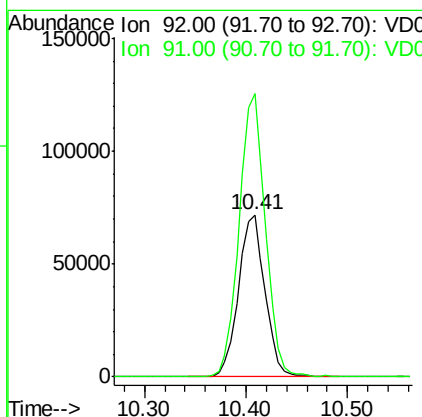
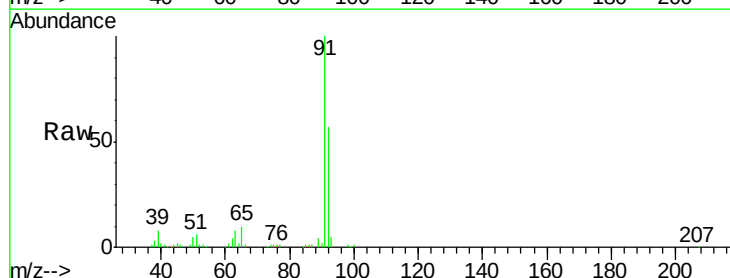
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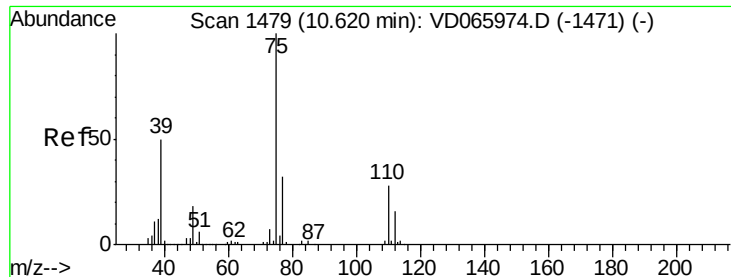
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#52
 Toluene
 Concen: 23.073 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	134.5	201.7





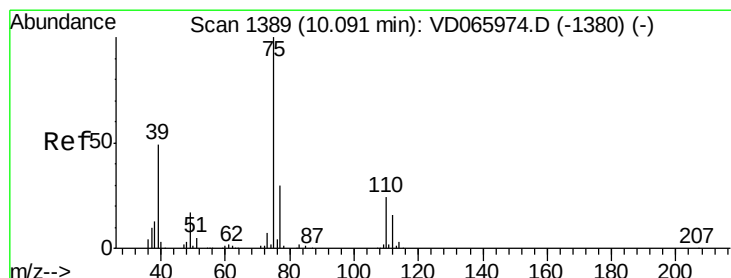
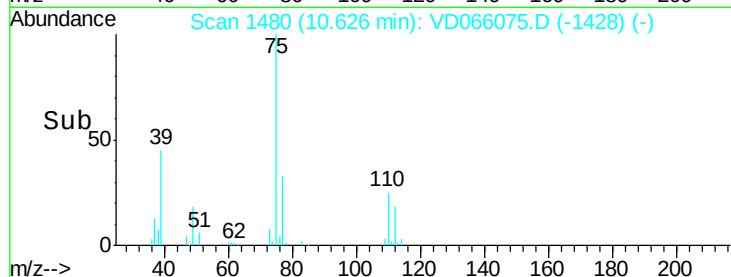
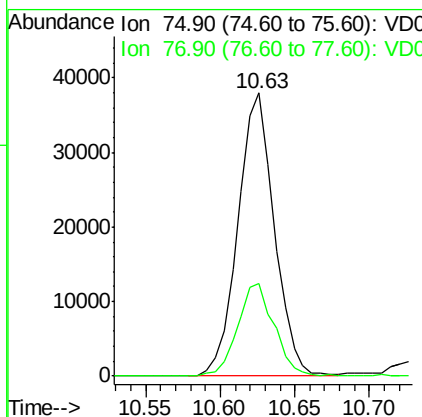
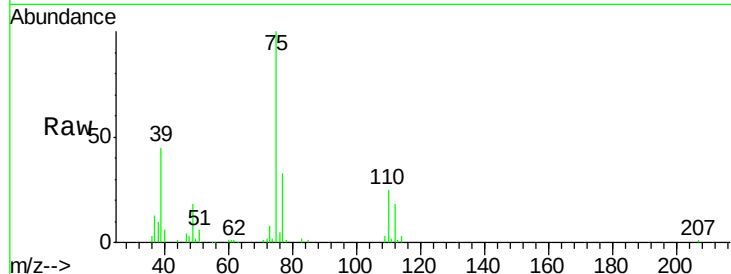
#53
 t-1,3-Dichloropropene
 Concen: 23.034 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion: 75 Resp: 64241
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.6

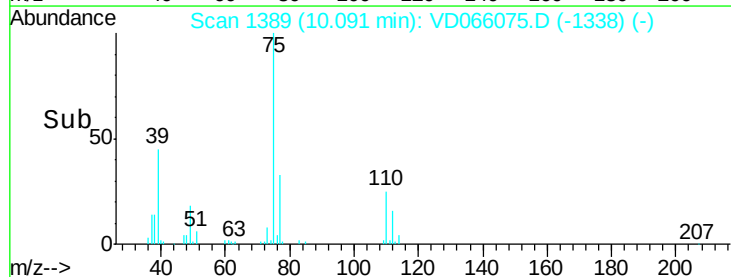
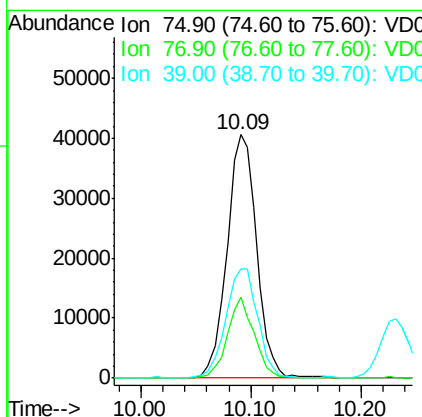
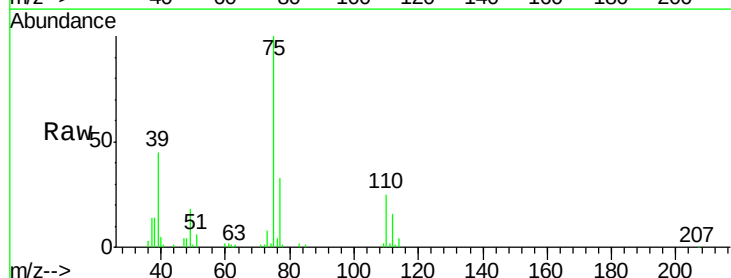
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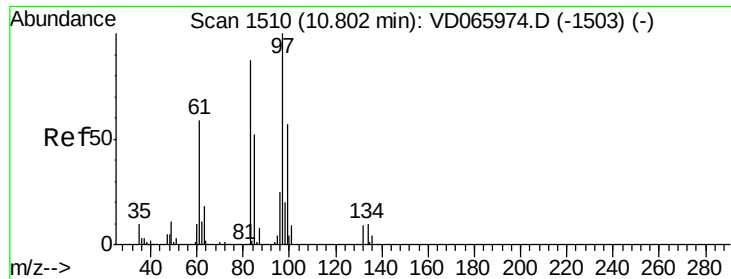
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#54
 cis-1,3-Dichloropropene
 Concen: 22.582 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion: 75 Resp: 76344
 Ion Ratio Lower Upper
 75 100
 77 33.4 23.8 35.8
 39 44.8 38.8 58.2





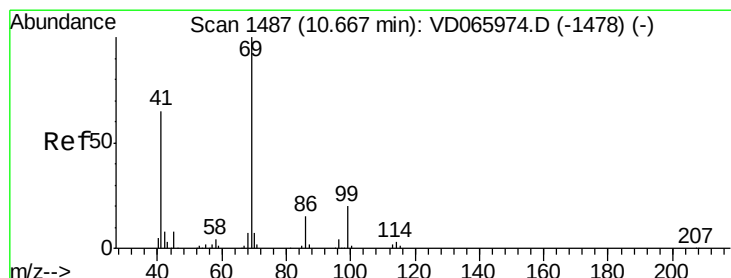
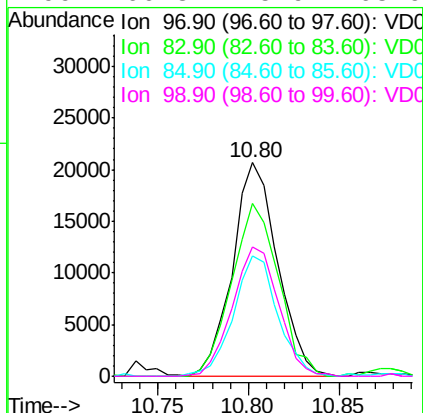
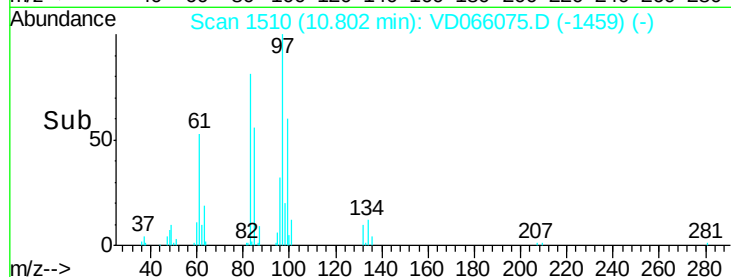
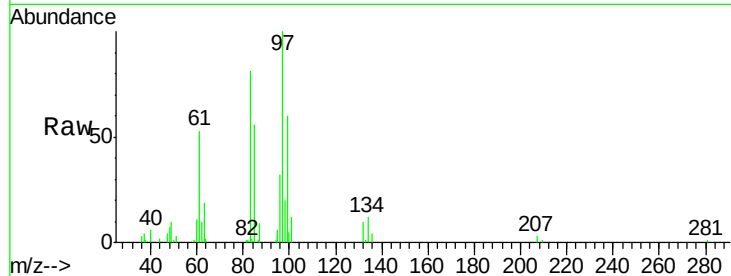
#55
 1,1,2-Trichloroethane
 Concen: 22.227 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.7	69.7	104.5
85	56.4	41.6	62.4
99	60.3	45.9	68.9

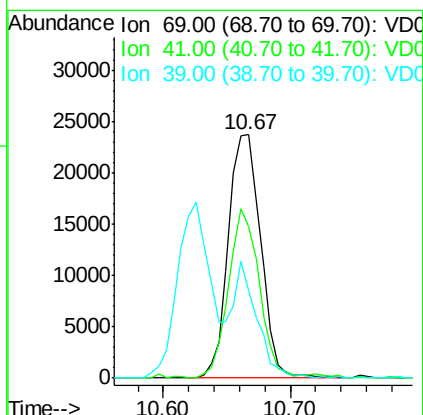
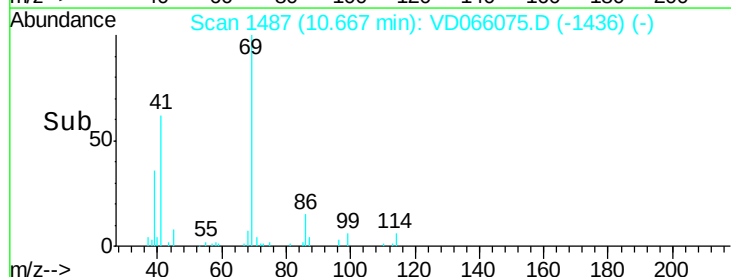
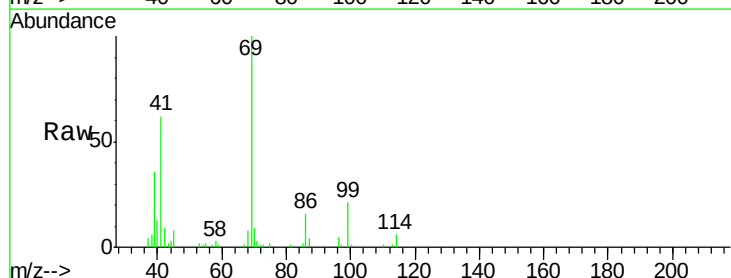
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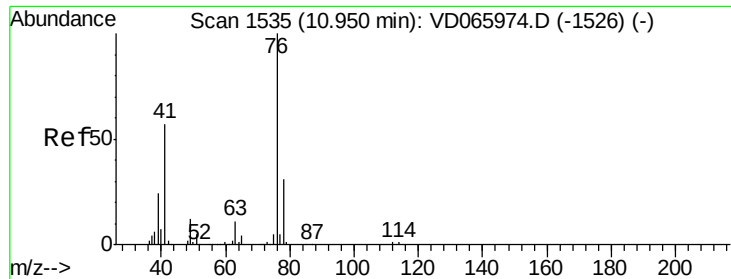
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#56
 Ethyl methacrylate
 Concen: 22.486 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.2	52.3	78.5
39	34.1	25.2	37.8





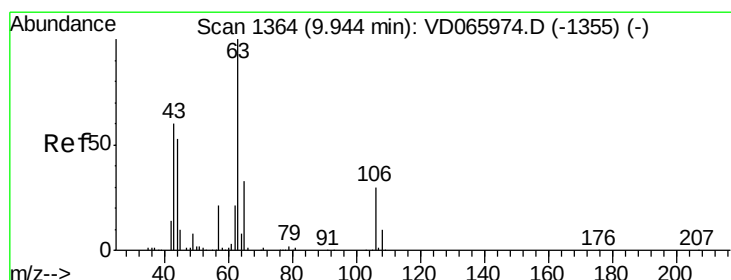
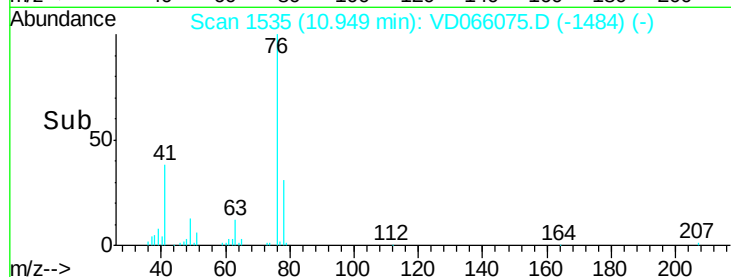
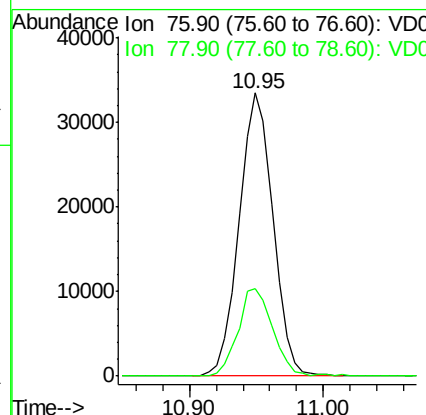
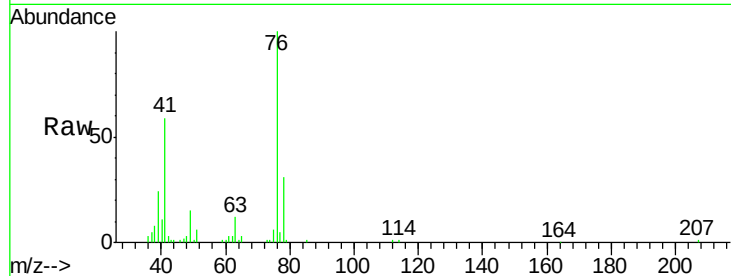
#57
 1,3-Dichloropropane
 Concen: 22.099 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion: 76 Resp: 58744
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.6 38.4

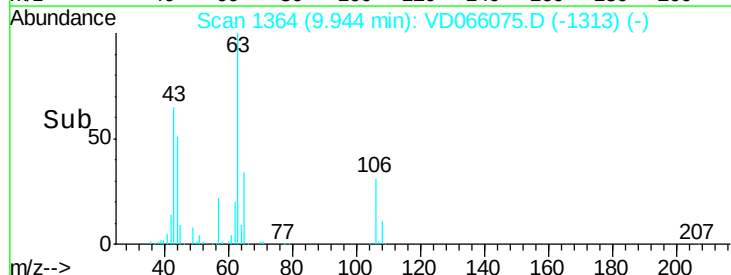
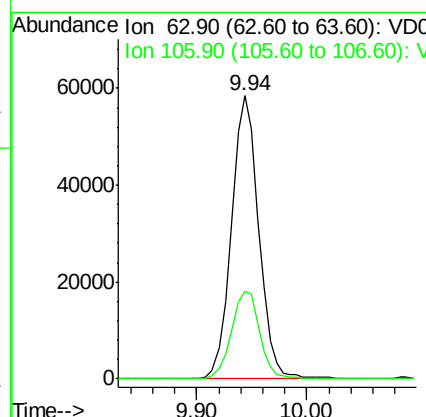
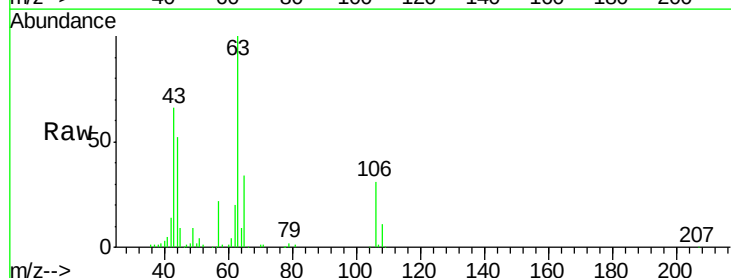
Manual Integrations
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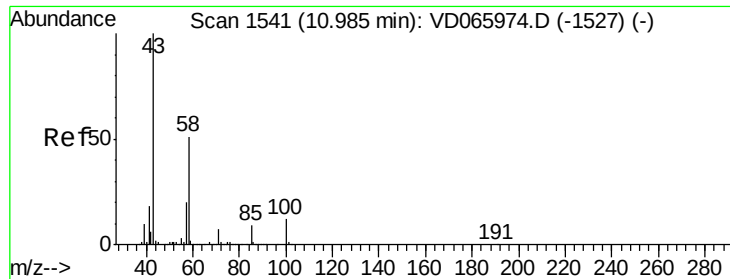
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.397 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion: 63 Resp: 101131
 Ion Ratio Lower Upper
 63 100
 106 32.1 24.4 36.6





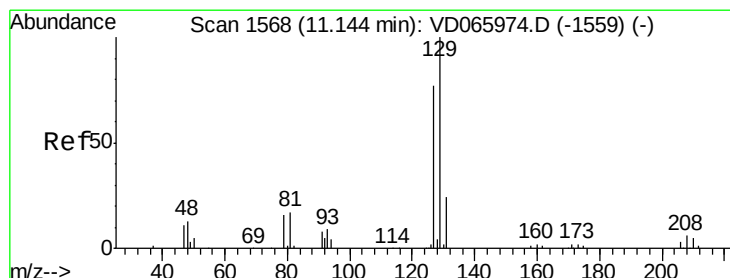
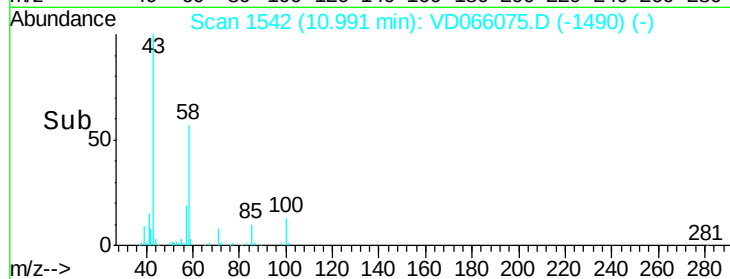
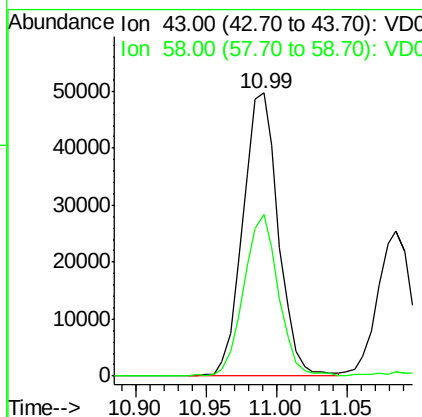
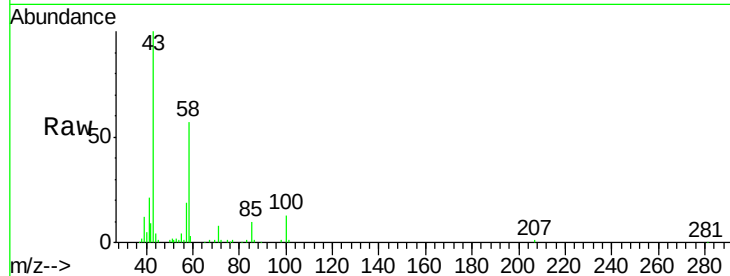
#59
2-Hexanone
Concen: 108.246 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion: 43 Resp: 87507
Ion Ratio Lower Upper
43 100
58 55.4 26.2 78.6

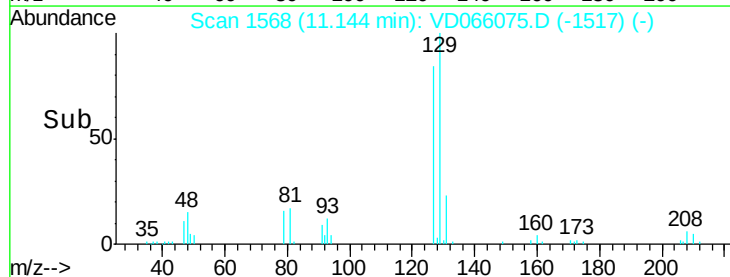
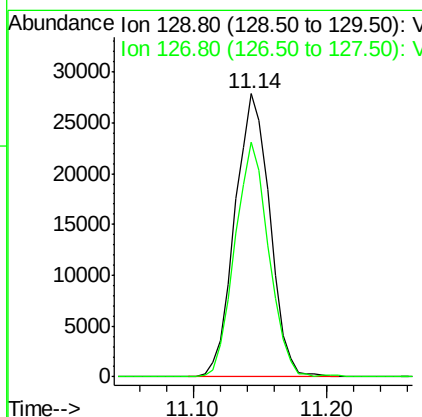
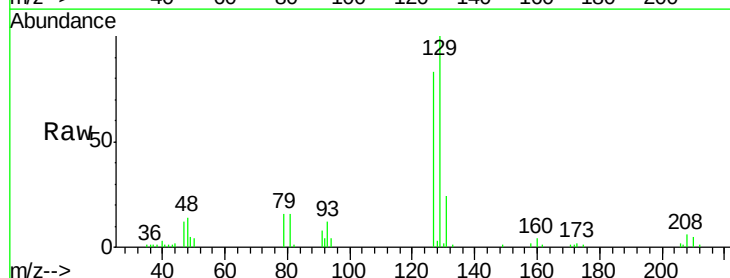
Manual Integrations
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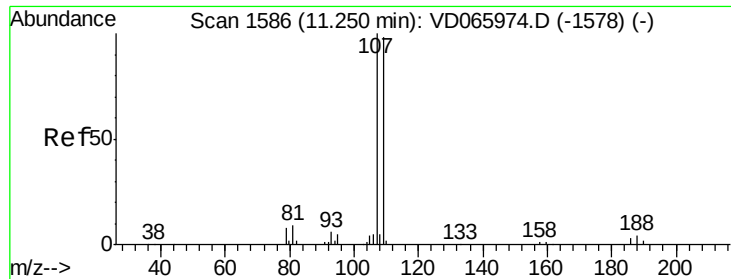
MMDadoda
7/29/2020 7:05:56 PM



#60
Dibromochloromethane
Concen: 23.325 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion: 129 Resp: 50500
Ion Ratio Lower Upper
129 100
127 80.0 38.6 115.7





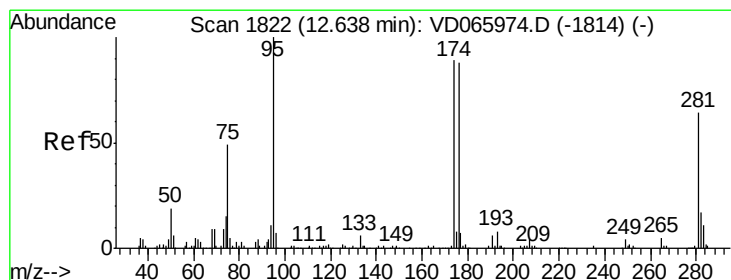
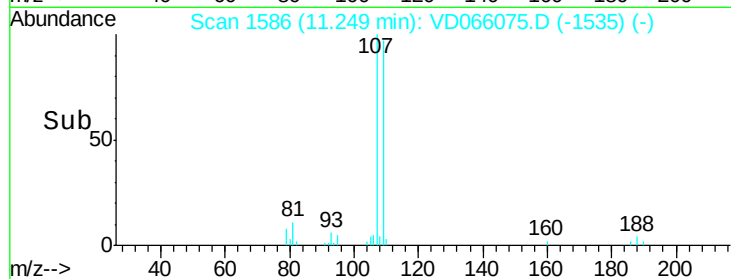
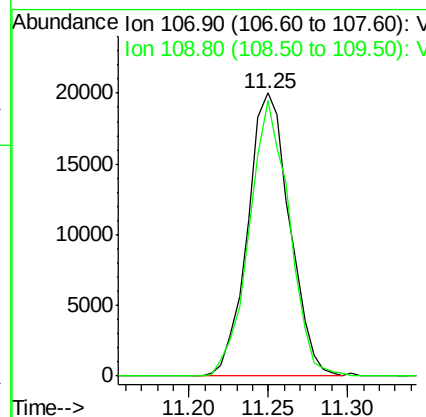
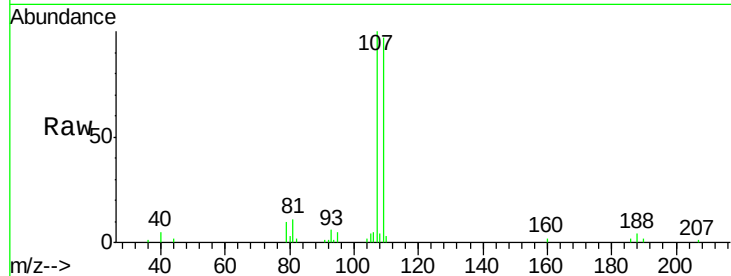
#61
 1,2-Dibromoethane
 Concen: 23.780 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion: 107 Resp: 36817
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.4

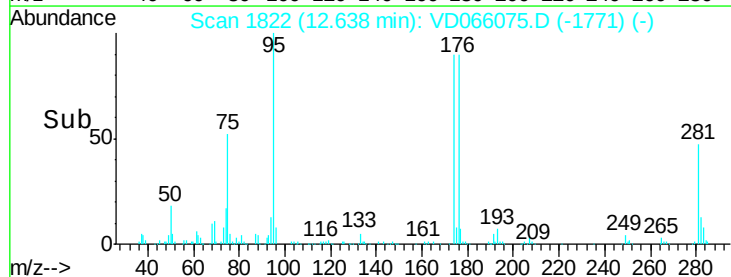
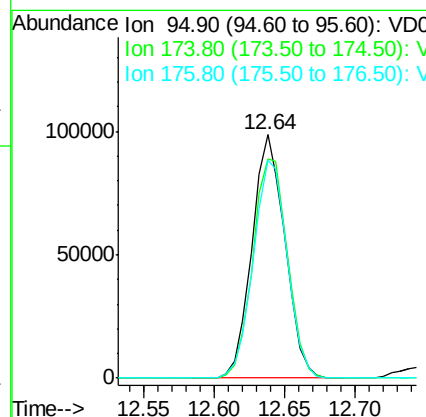
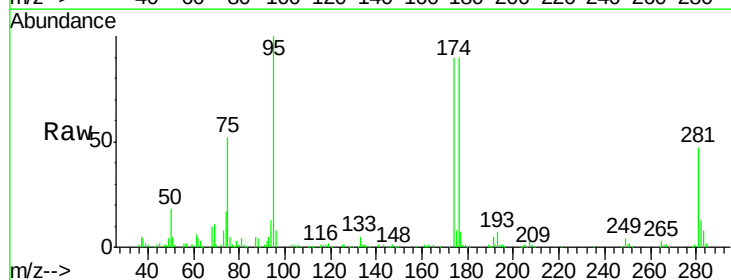
Manual Integrations
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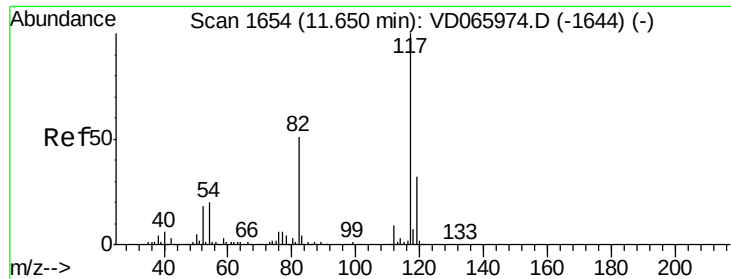
MMDadoda
 7/29/2020 7:05:56 PM



#62
 4-Bromofluorobenzene
 Concen: 56.808 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion: 95 Resp: 161867
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 178.8
 176 92.3 0.0 172.6





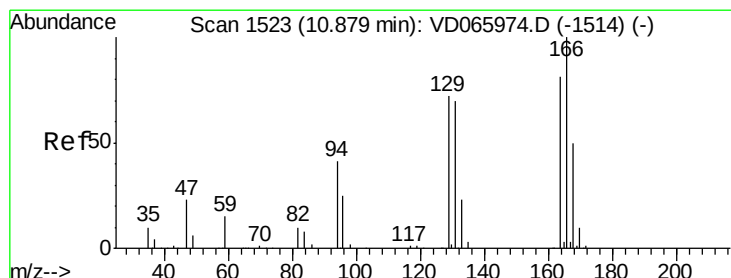
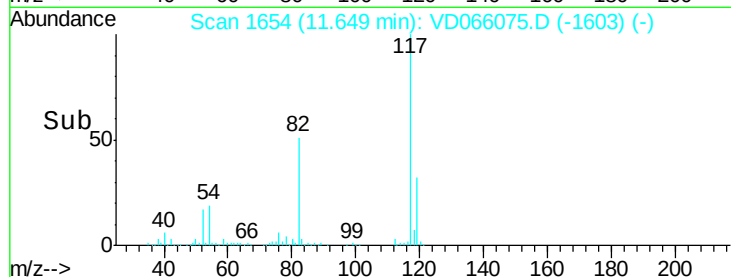
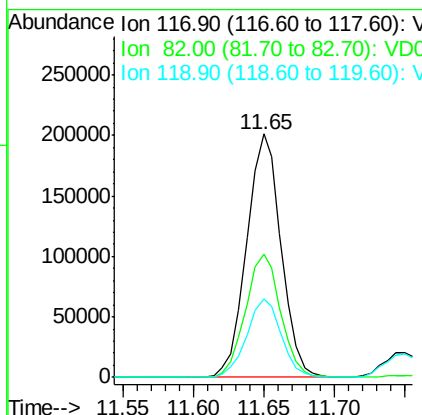
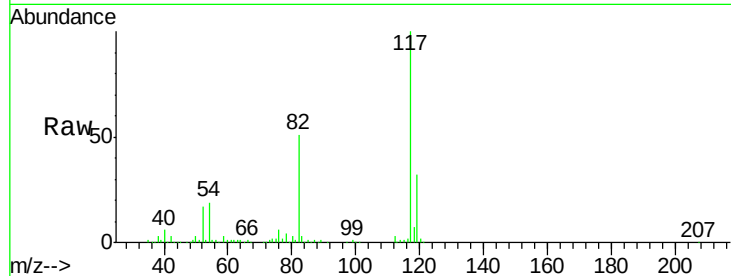
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.1	61.7
119	32.1	25.9	38.9

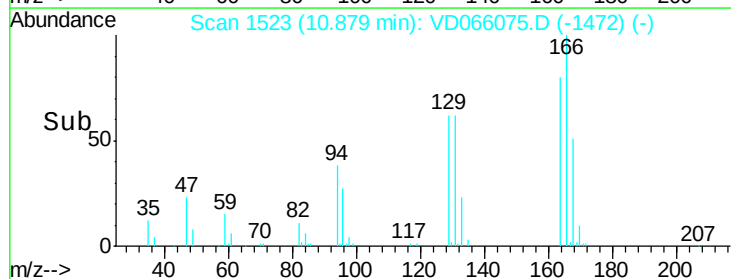
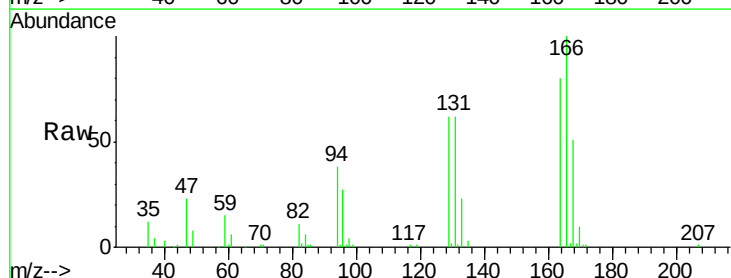
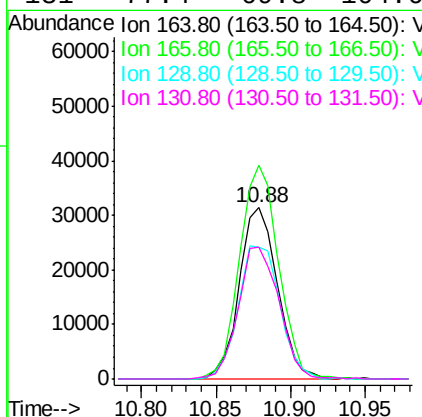
Manual Integrations
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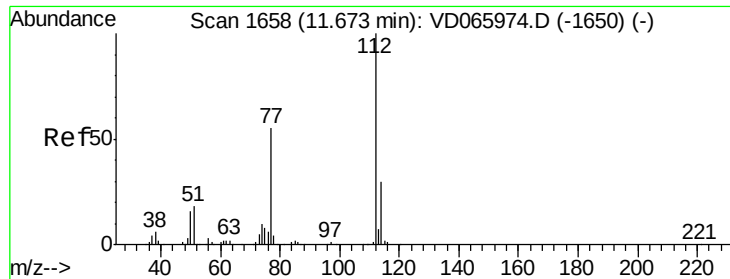
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#64
Tetrachloroethene
Concen: 23.897 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	99.1	148.7
129	76.8	71.5	107.3
131	77.4	69.8	104.6





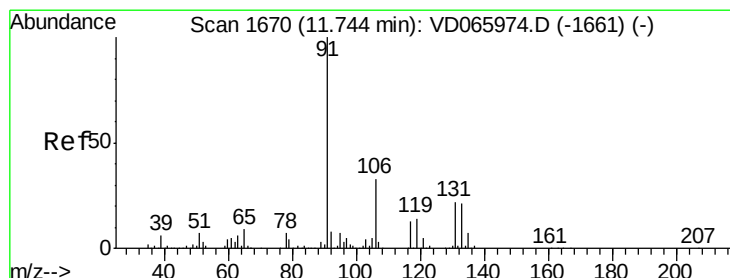
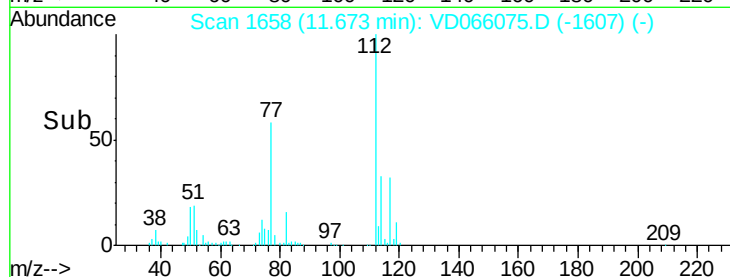
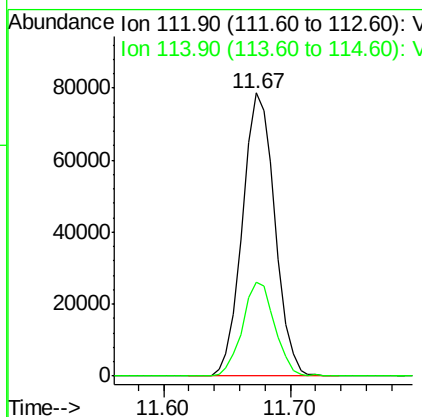
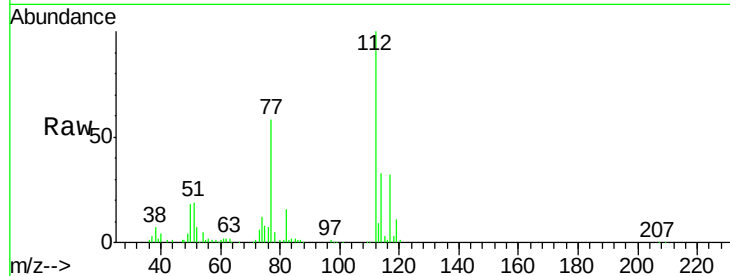
#65
Chlorobenzene
Concen: 22.232 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion:112 Resp: 139775
Ion Ratio Lower Upper
112 100
114 33.0 24.4 36.6

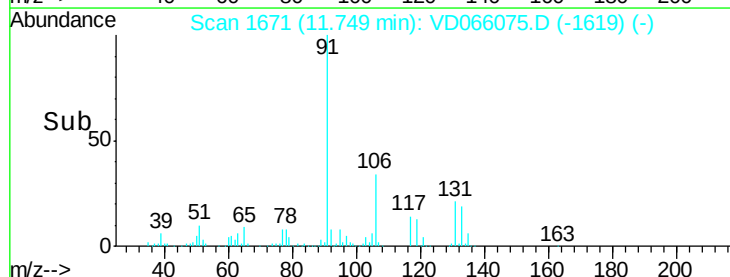
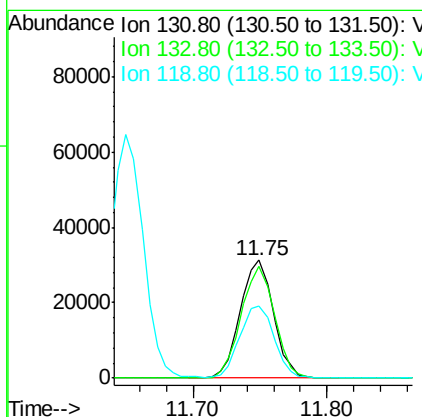
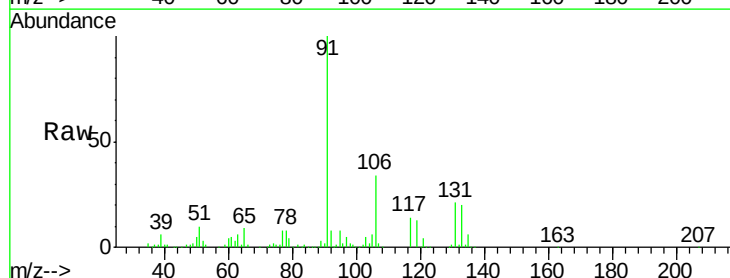
Manual Integrations
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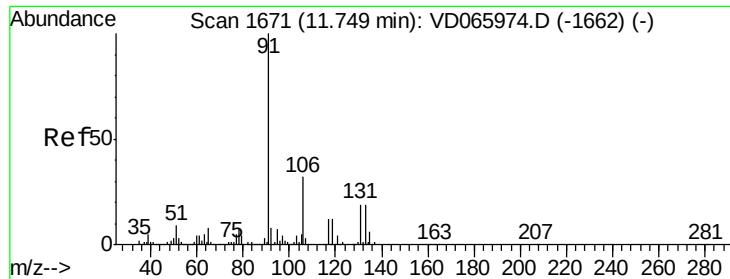
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.305 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion:131 Resp: 54103
Ion Ratio Lower Upper
131 100
133 95.3 47.3 142.0
119 63.4 31.7 95.1





#67

Ethyl Benzene

Concen: 22.914 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 91 Resp: 247924

Ion Ratio Lower Upper

91 100

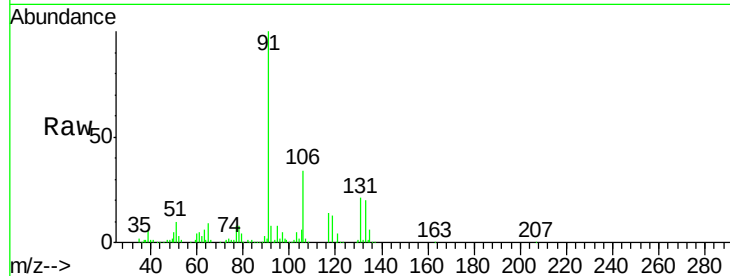
106 34.1 25.7 38.5

Manual Integrations

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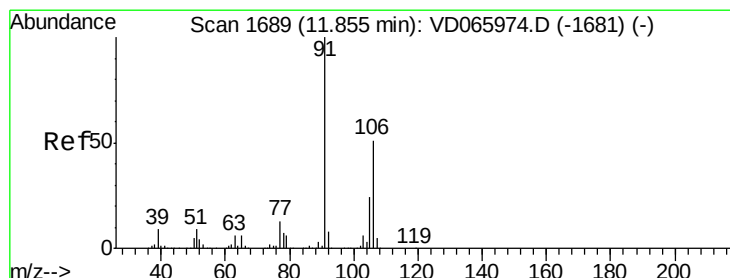
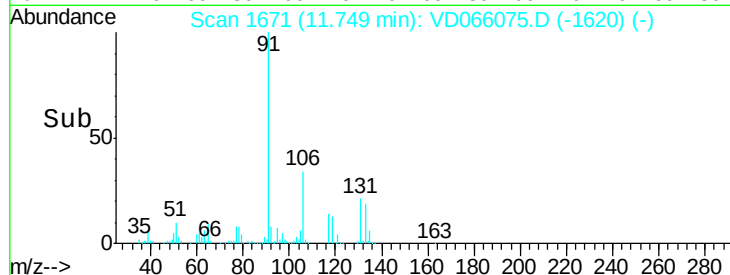
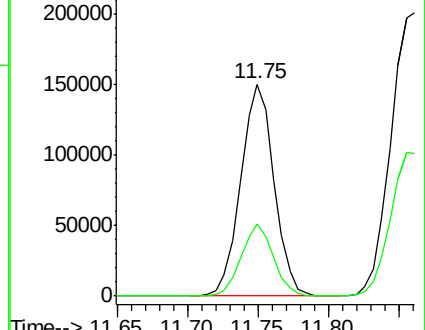
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 47.467 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066075.D

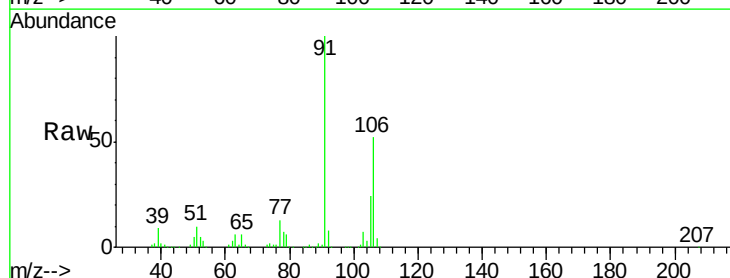
Acq: 28 Jul 2020 12:54

Tgt Ion: 106 Resp: 197398

Ion Ratio Lower Upper

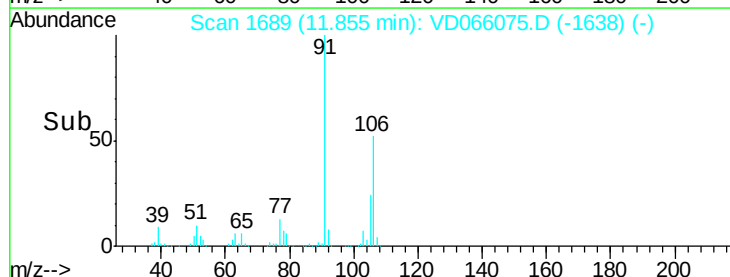
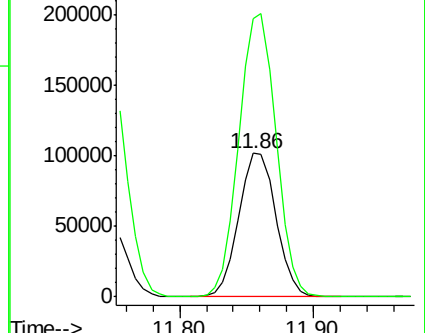
106 100

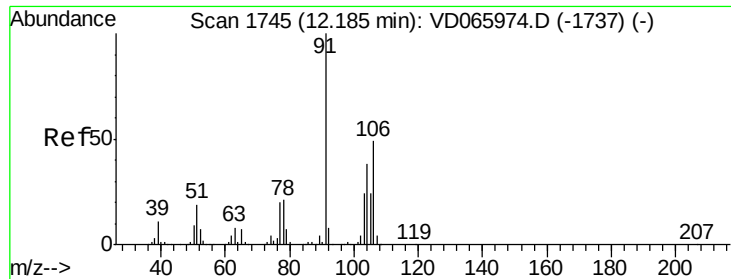
91 196.2 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





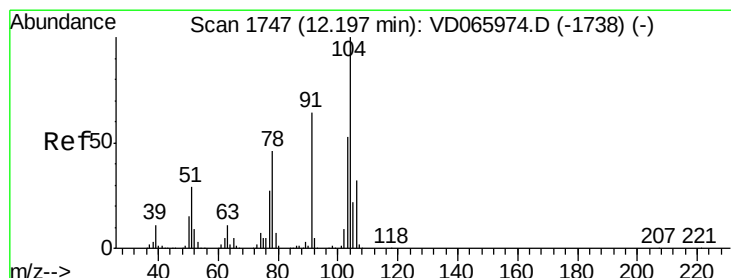
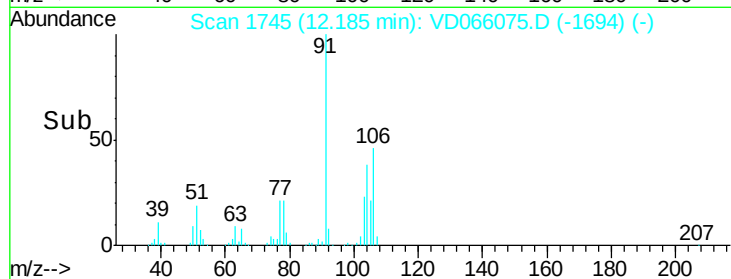
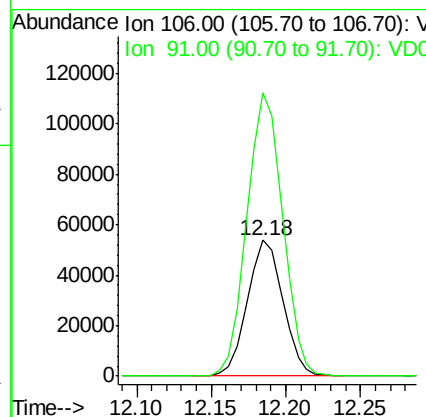
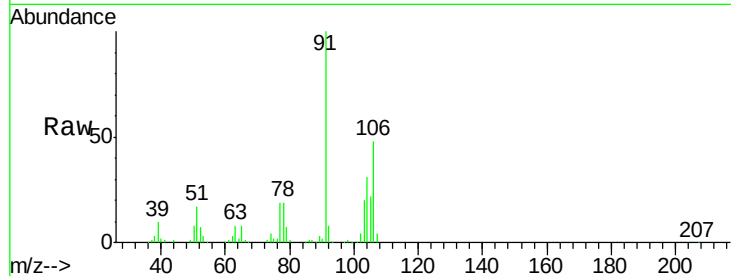
#69
o-Xylene
Concen: 23.594 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion:106 Resp: 89242
Ion Ratio Lower Upper
106 100
91 209.4 103.1 309.3

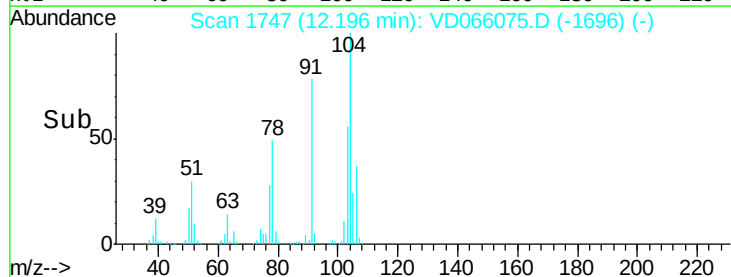
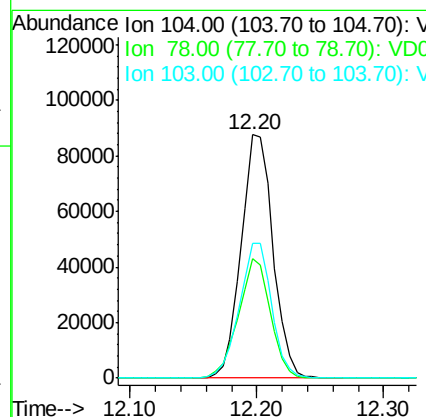
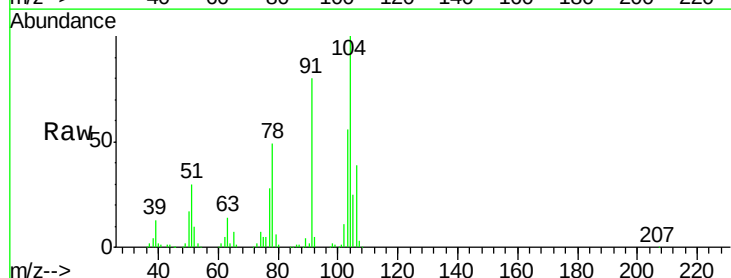
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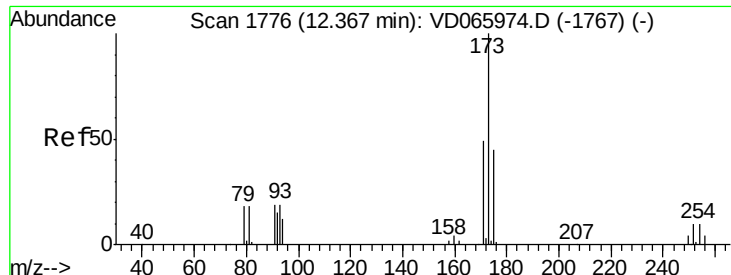
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#70
Styrene
Concen: 23.392 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion:104 Resp: 152023
Ion Ratio Lower Upper
104 100
78 49.2 38.3 57.5
103 56.2 43.8 65.8





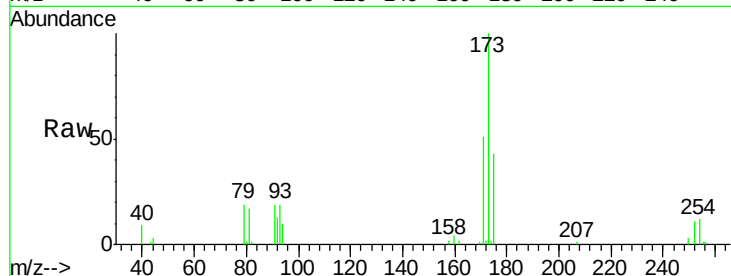
#71
Bromoform
Concen: 23.438 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.0	0.0	0.0

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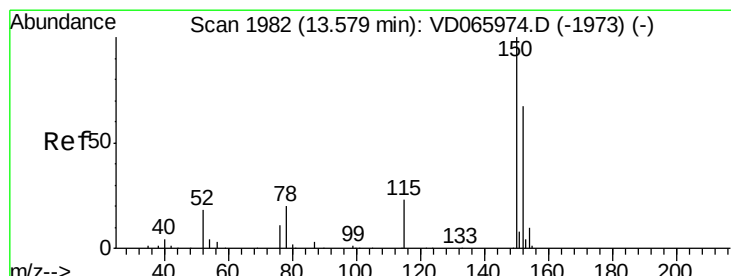
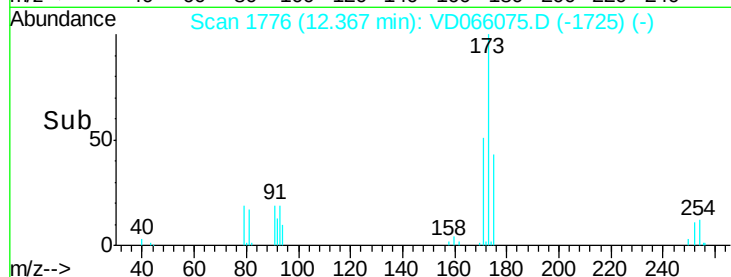
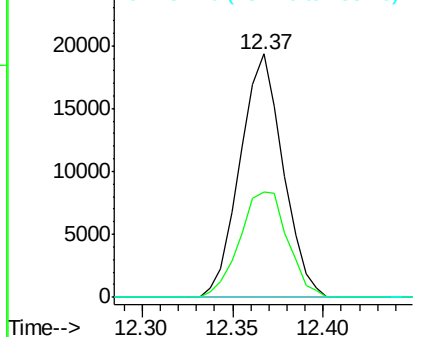


Abundance

Ion 172.70 (172.40 to 173.40): V

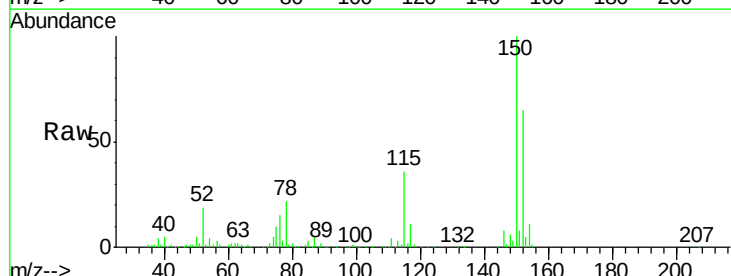
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.9	83.7
150	162.0	0.0	348.2

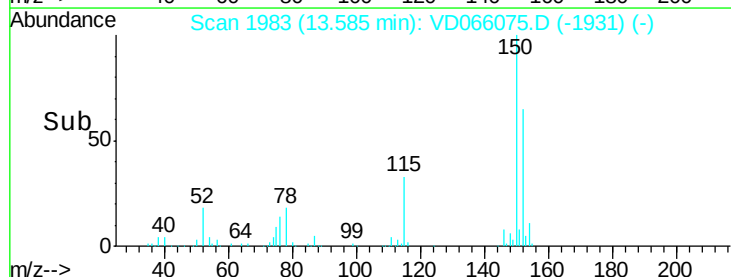
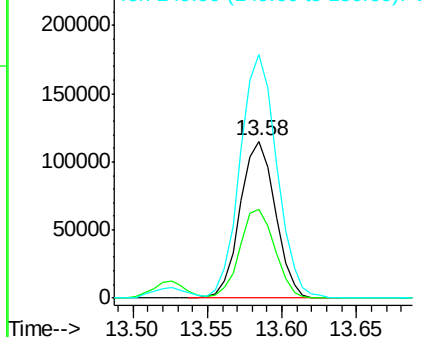


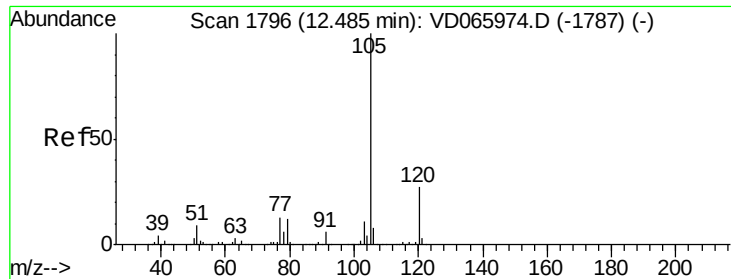
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.013 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 105 Resp: 251014

Ion Ratio Lower Upper

105 100

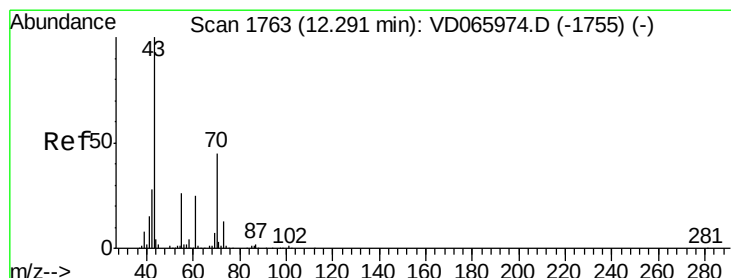
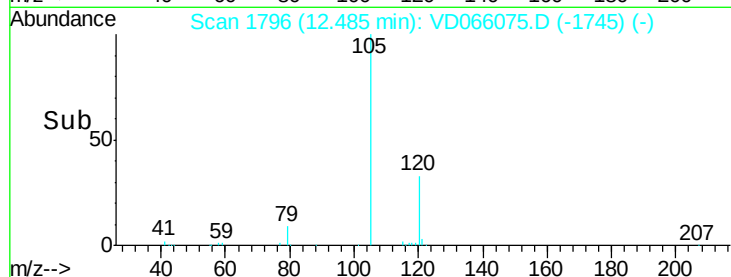
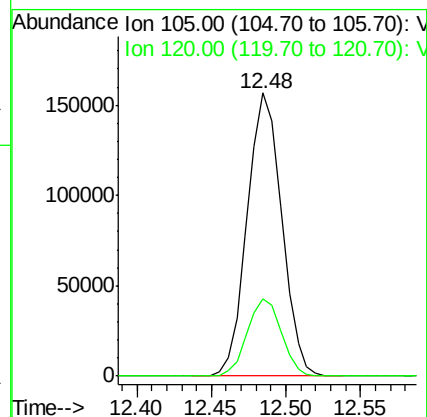
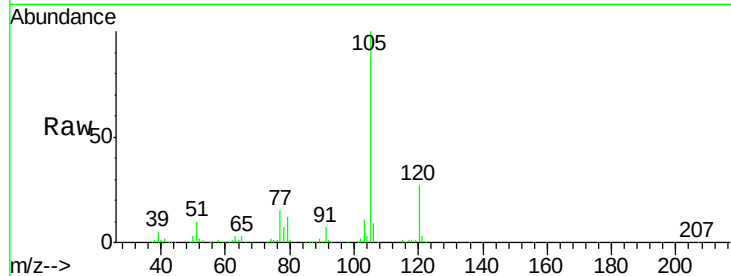
120 27.0 13.6 40.8

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#74

N-ethyl acetate

Concen: 20.172 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Tgt Ion: 43 Resp: 47693

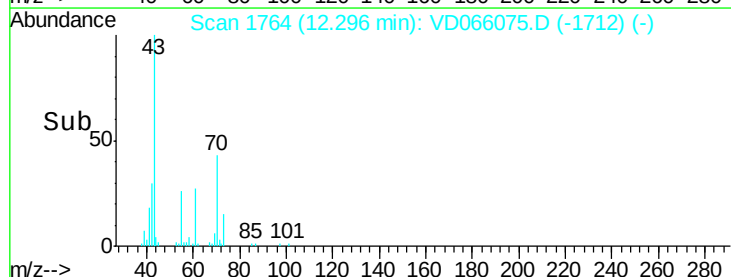
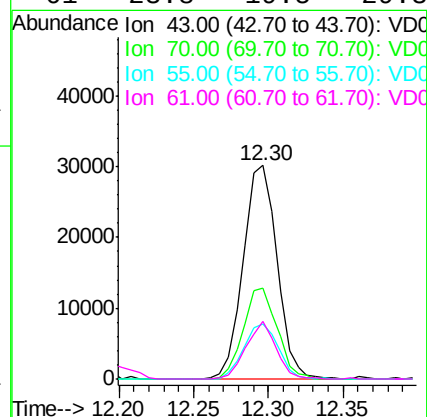
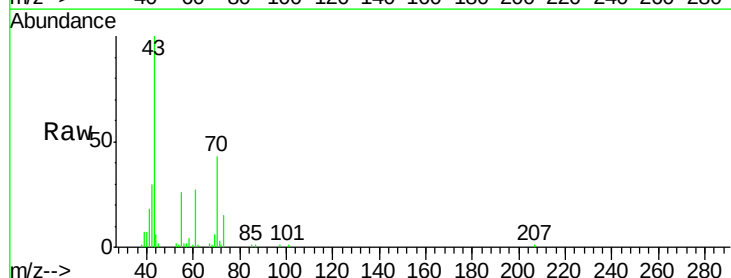
Ion Ratio Lower Upper

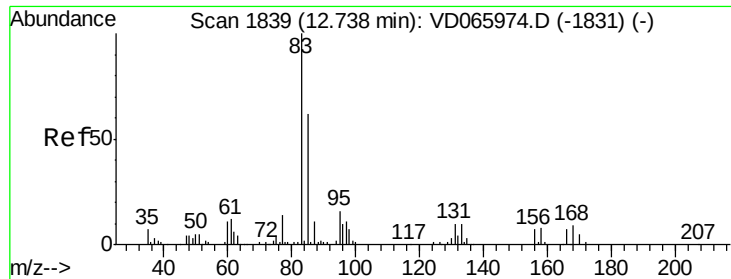
43 100

70 42.2 34.6 51.8

55 26.0 20.3 30.5

61 23.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.625 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

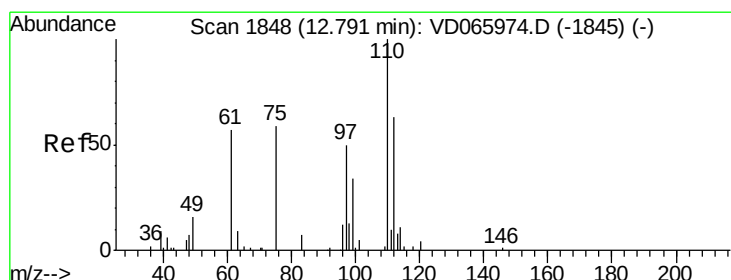
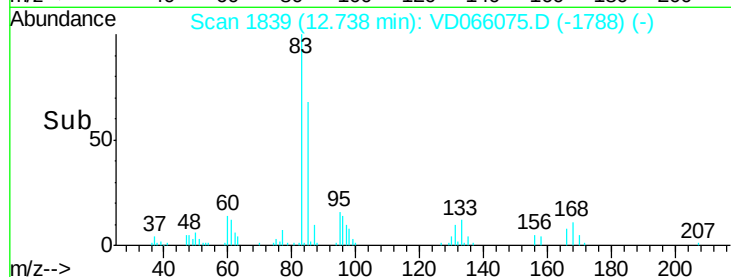
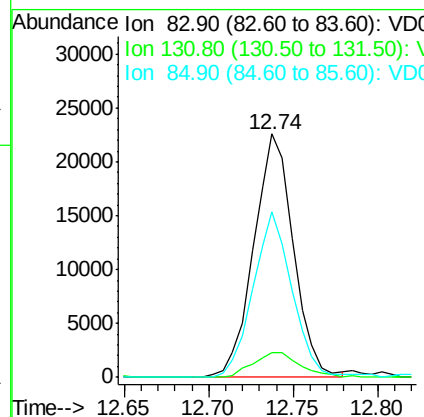
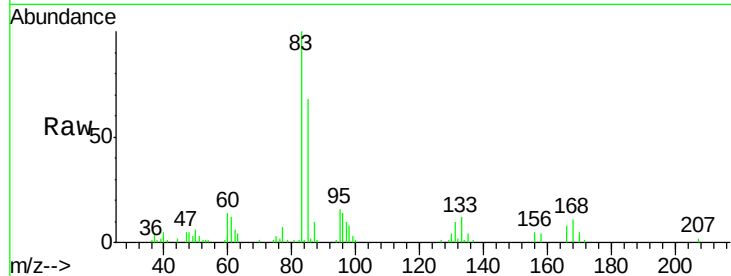
ClientSampleId :

VD0728SBS01

Tgt Ion:	83	Resp:	36983
Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.7	17.1
85	67.2	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 18.193 ug/l m

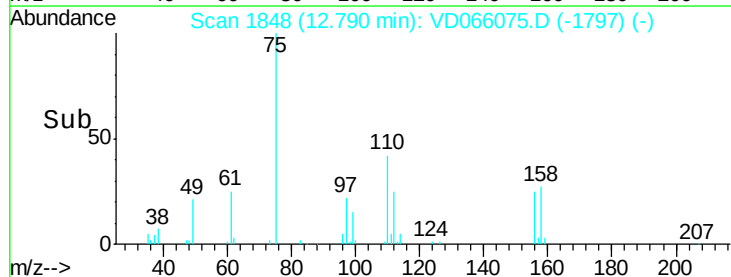
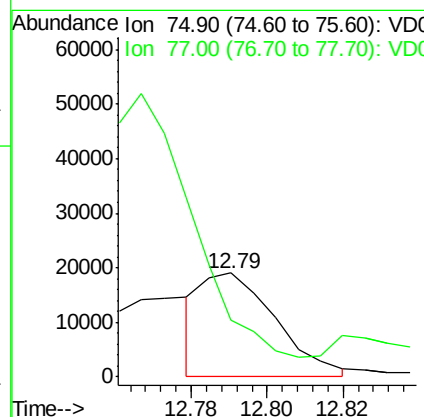
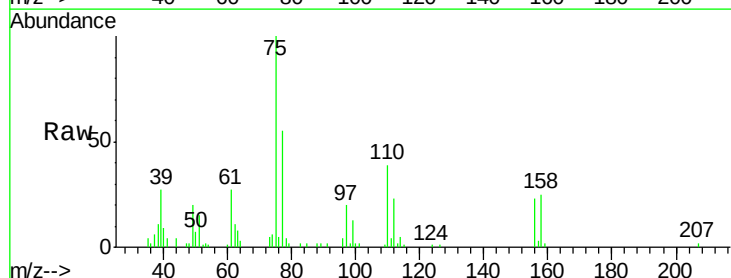
RT: 12.79 min Scan# 1848

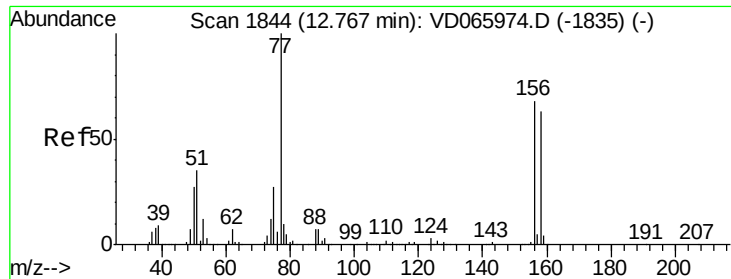
Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Tgt Ion:	75	Resp:	25815
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.838 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

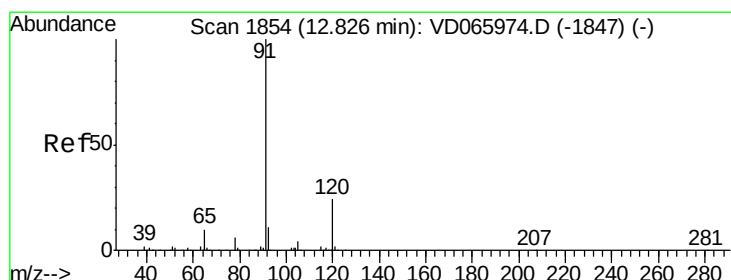
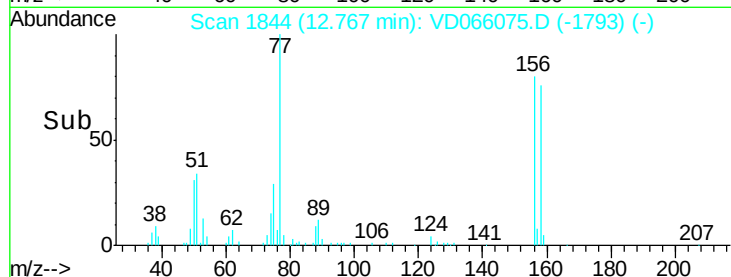
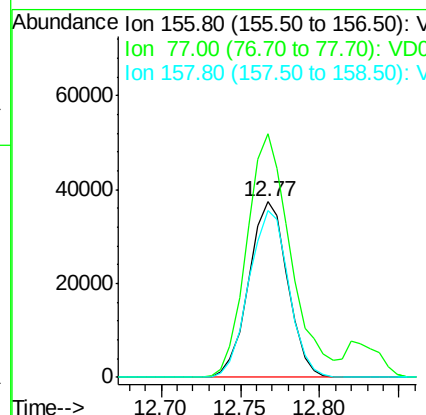
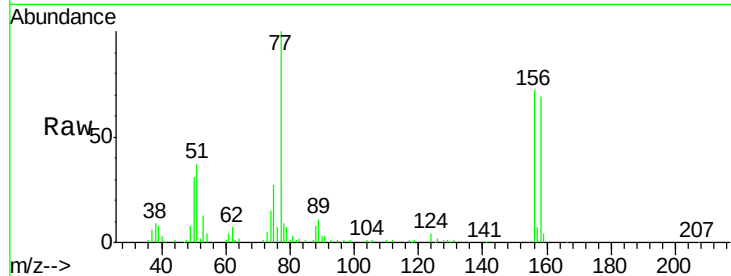
ClientSampleId :

VD0728SBS01

Tgt Ion:156 Resp: 63639
 Ion Ratio Lower Upper
 156 100
 77 156.2 83.0 249.0
 158 97.3 48.2 144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.064 ug/l

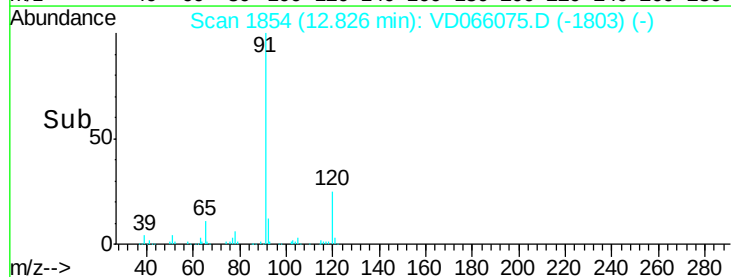
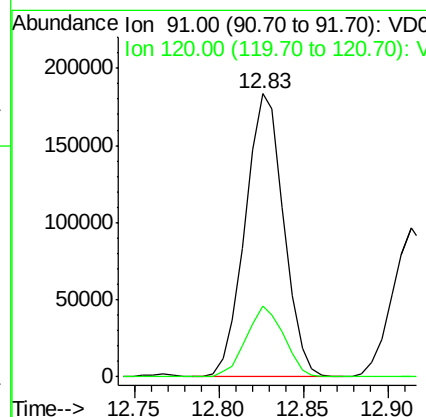
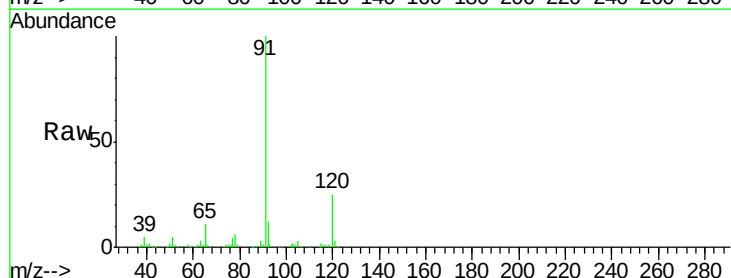
RT: 12.83 min Scan# 1854

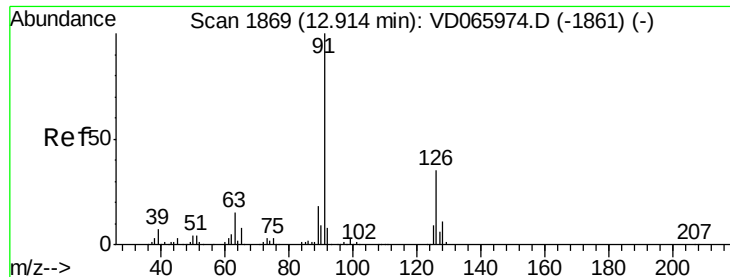
Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Tgt Ion: 91 Resp: 291960
 Ion Ratio Lower Upper
 91 100
 120 24.5 12.0 36.0





#79

2-Chlorotoluene

Concen: 21.667 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 91 Resp: 163797

Ion Ratio Lower Upper

91 100

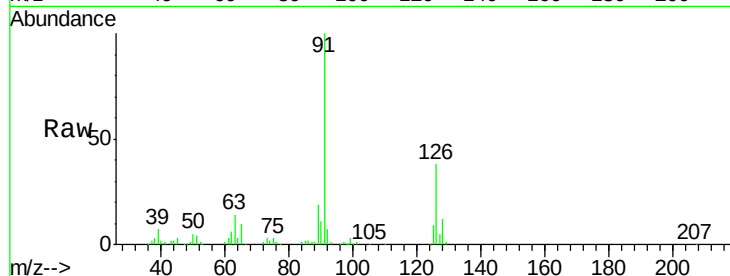
126 36.2 17.7 53.1

Manual Integrations

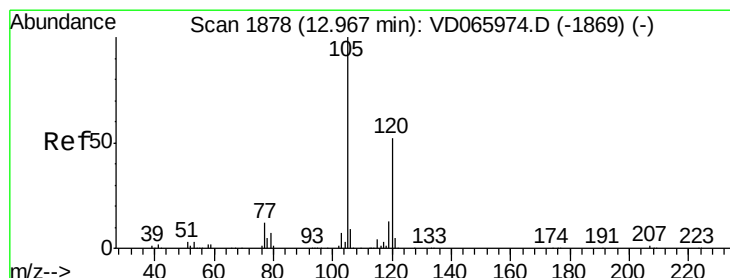
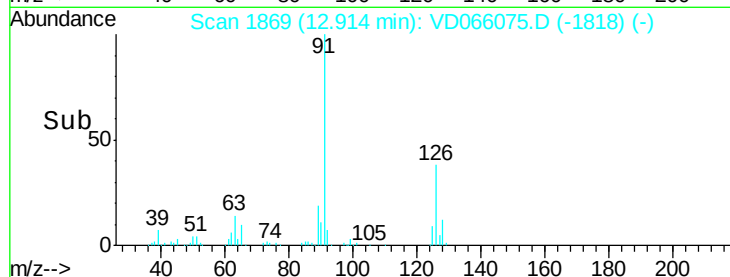
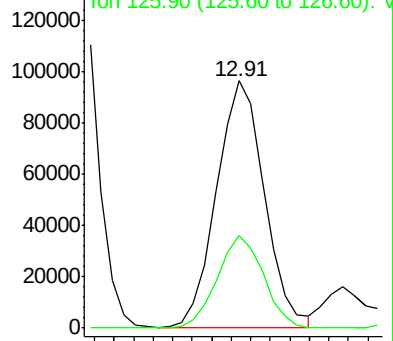
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Abundance Ion 91.00 (90.70 to 91.70): VD066075.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.534 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066075.D

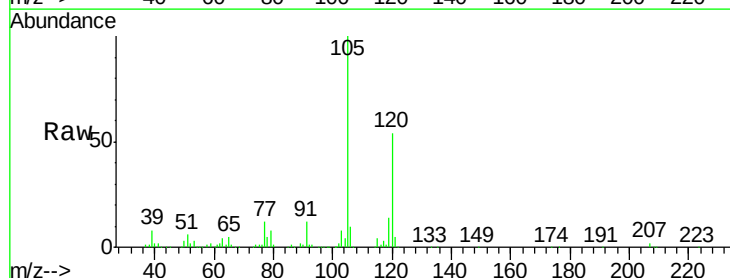
Acq: 28 Jul 2020 12:54

Tgt Ion: 105 Resp: 211111

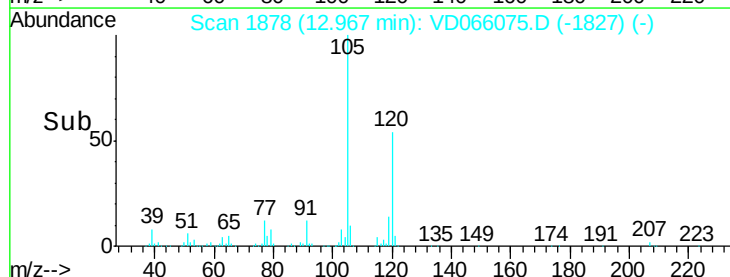
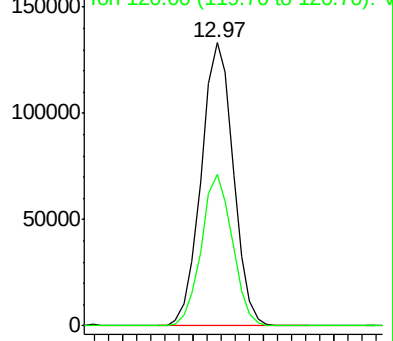
Ion Ratio Lower Upper

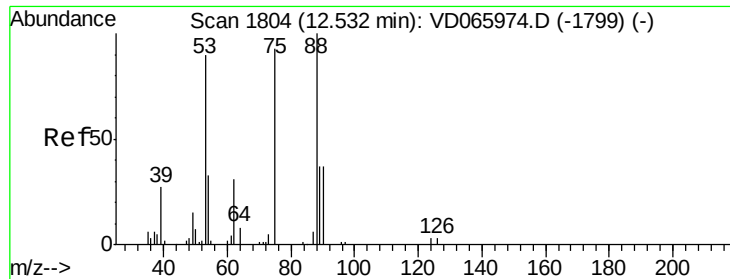
105 100

120 51.8 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD066075.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.226 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

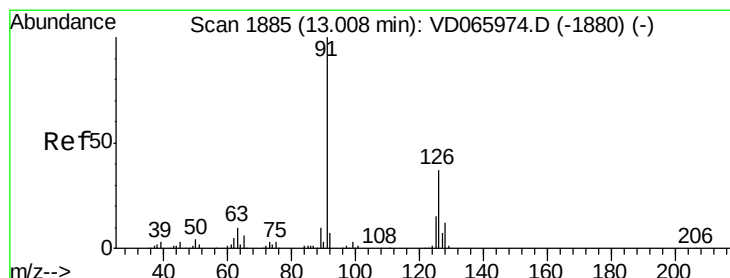
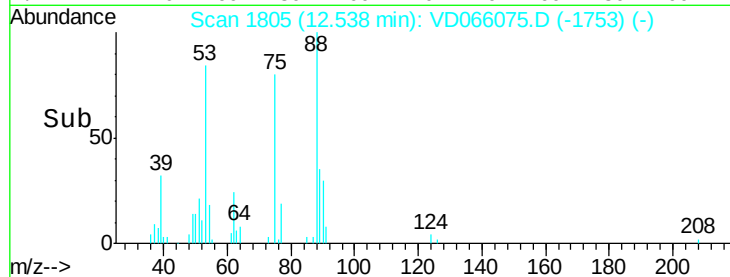
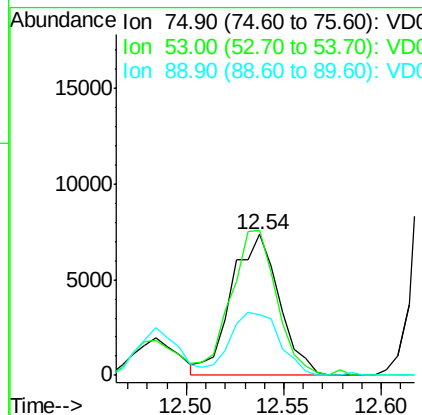
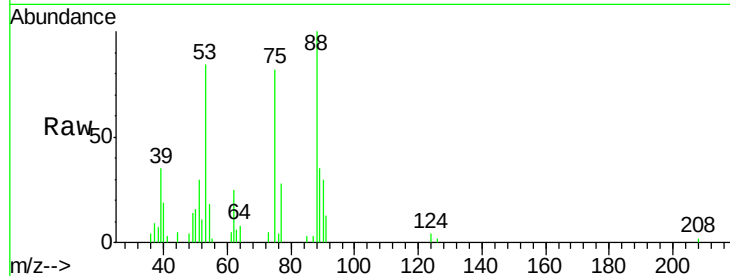
ClientSampleId :

VD0728SBS01

Tgt Ion:	75	Resp:	12507
Ion	Ratio	Lower	Upper
75	100		
53	98.9	76.8	115.2
89	46.4	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.680 ug/l

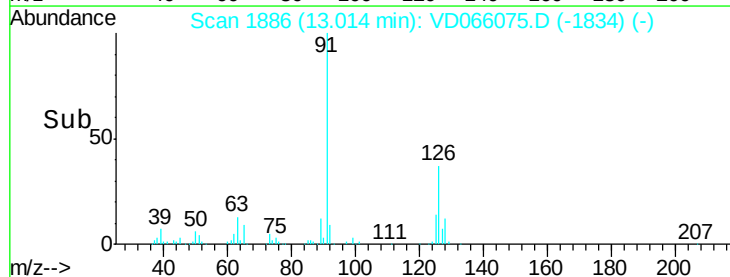
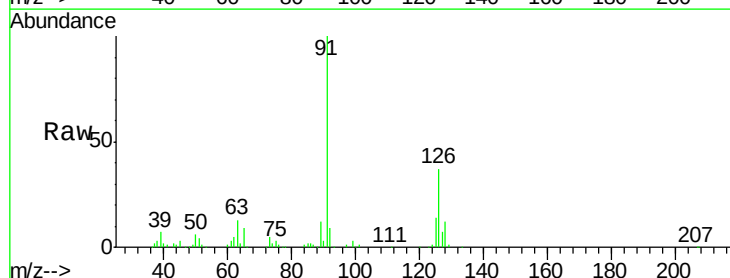
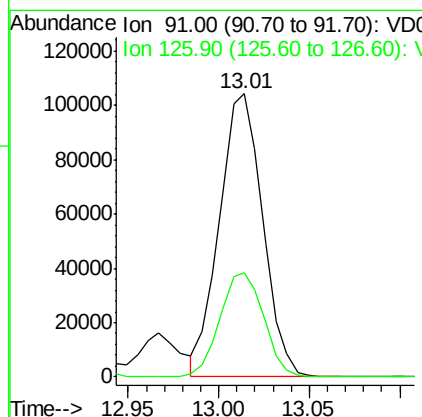
RT: 13.01 min Scan# 1886

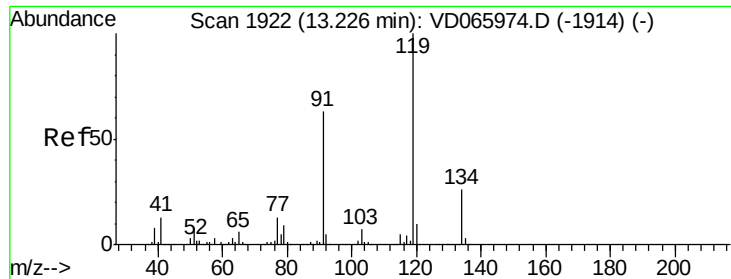
Delta R.T. 0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Tgt Ion:	91	Resp:	172989
Ion	Ratio	Lower	Upper
91	100		
126	37.3	17.8	53.5





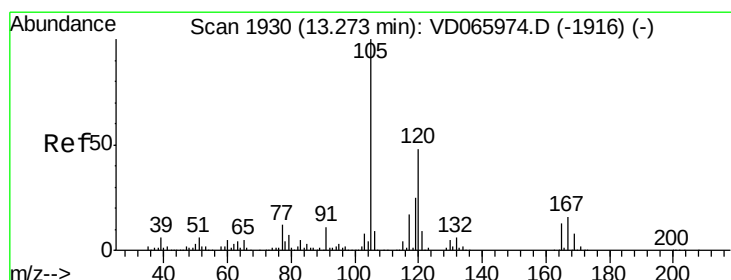
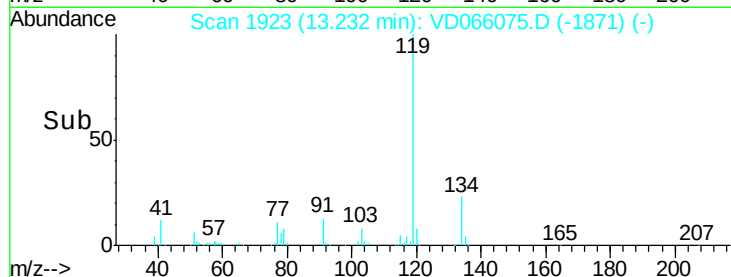
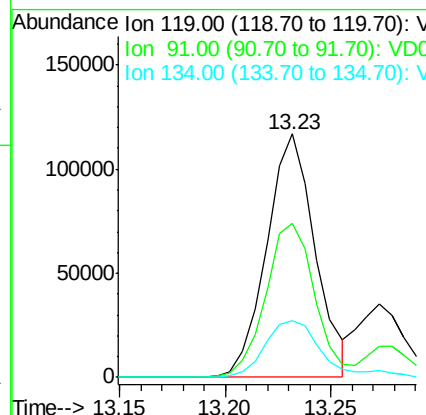
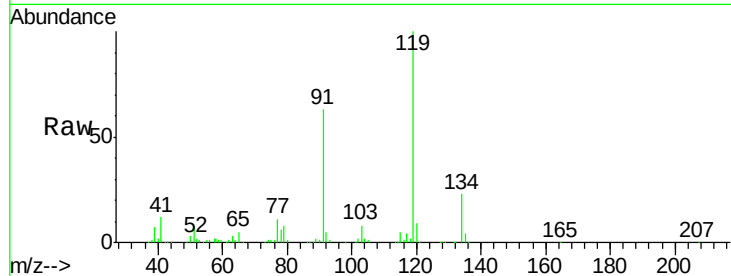
#83
 tert-Butylbenzene
 Concen: 22.727 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	186315		
91	64.8	30.6	91.6	
134	27.8	13.9	41.7	

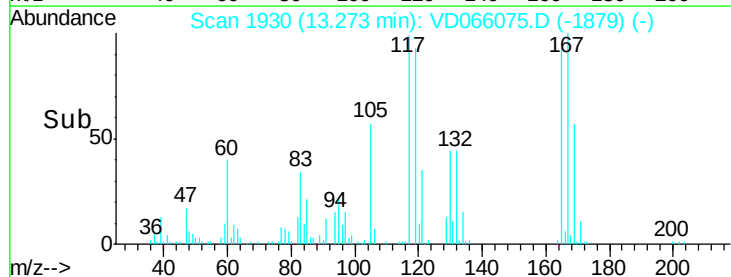
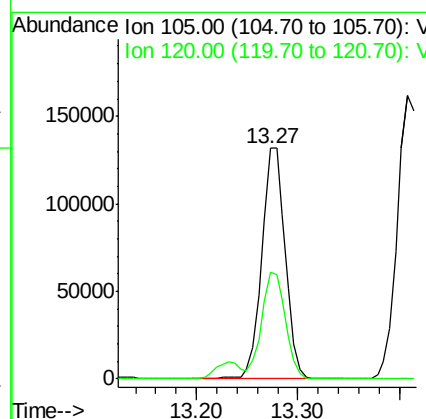
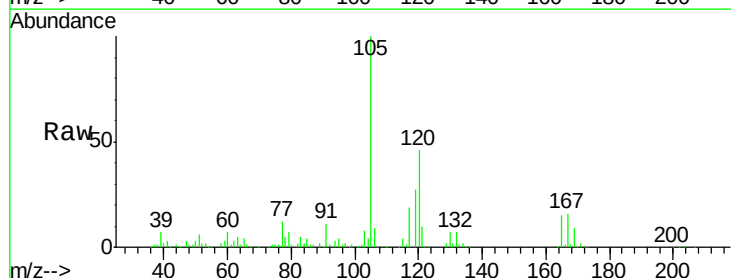
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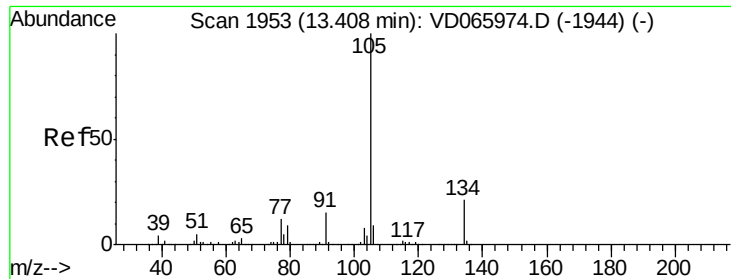
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.987 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212461		
120	46.8	23.9	71.8	





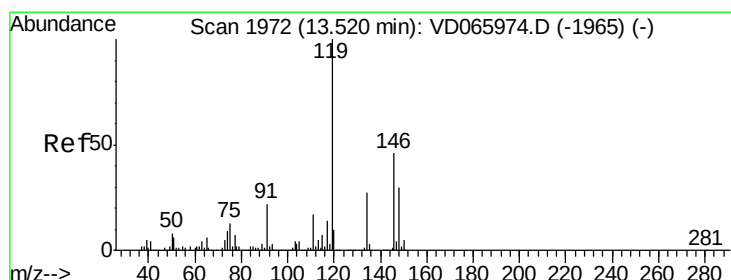
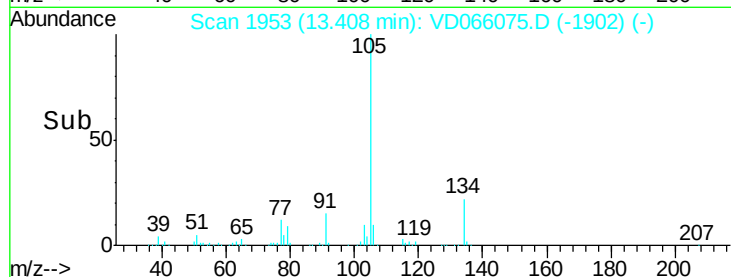
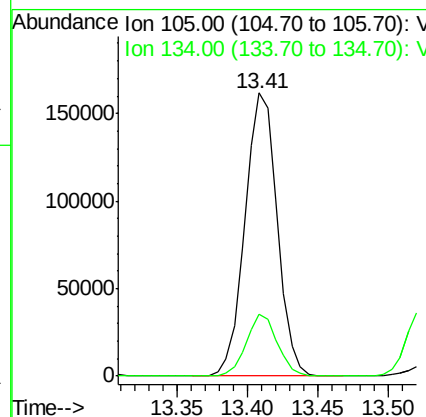
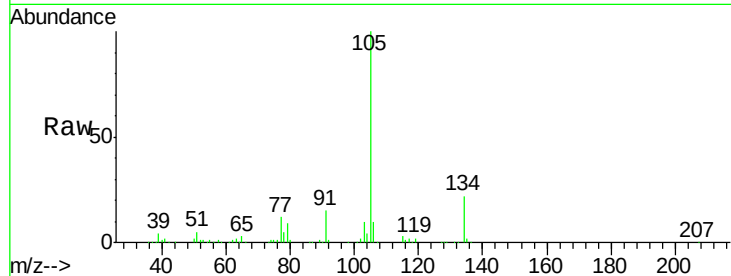
#85
 sec-Butylbenzene
 Concen: 22.945 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.4	31.4

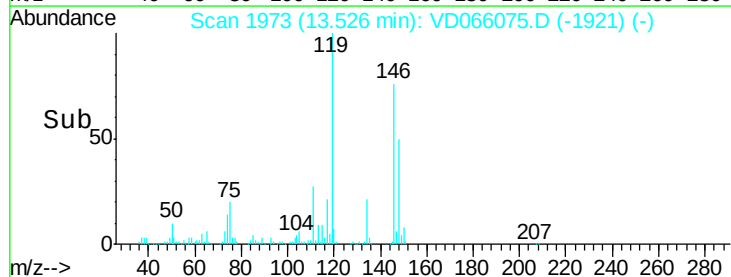
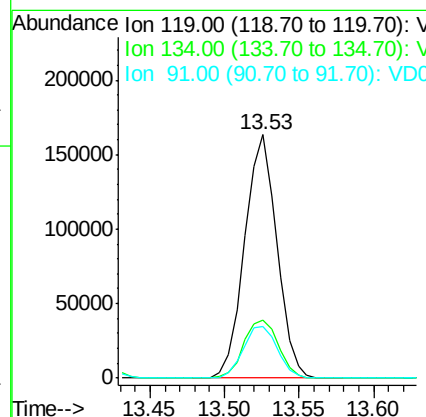
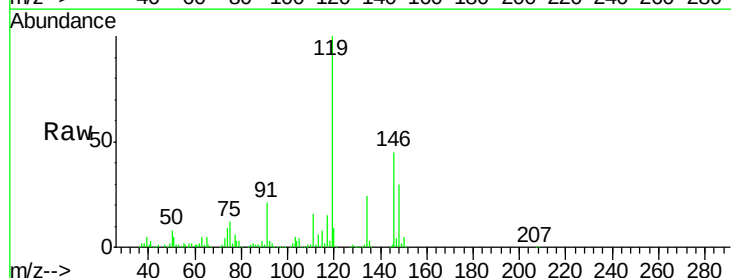
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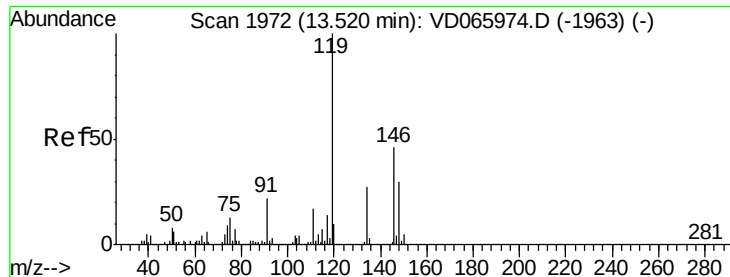
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#86
 p-Isopropyltoluene
 Concen: 23.792 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.4	40.2
91	22.9	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 22.270 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Instrument :

MSVOA_D

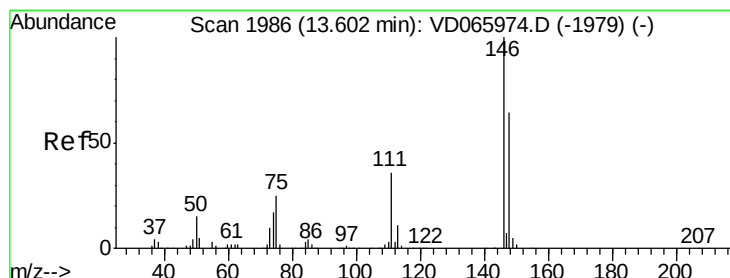
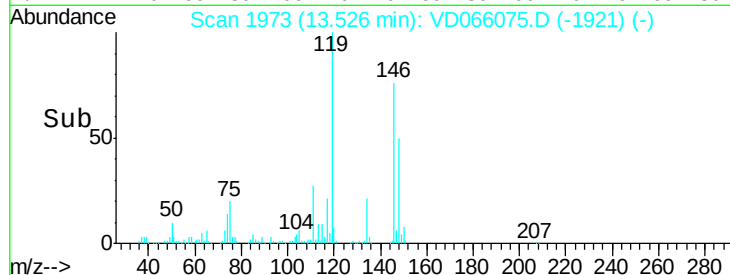
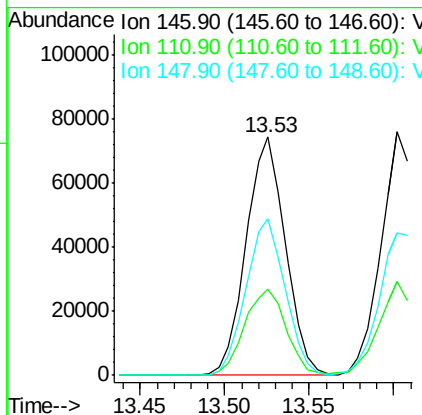
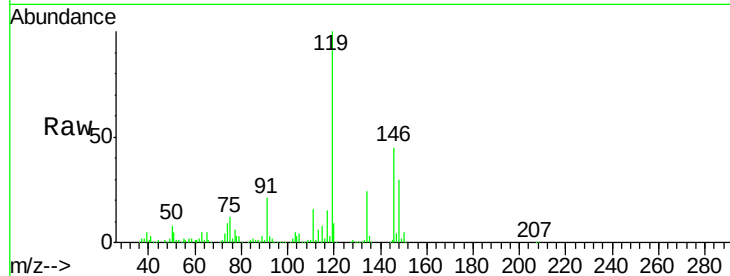
ClientSampleId :

VD0728SBSD01

Tgt Ion:	146	Resp:	120494
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.6	55.6
148	65.4	32.4	97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.076 ug/l

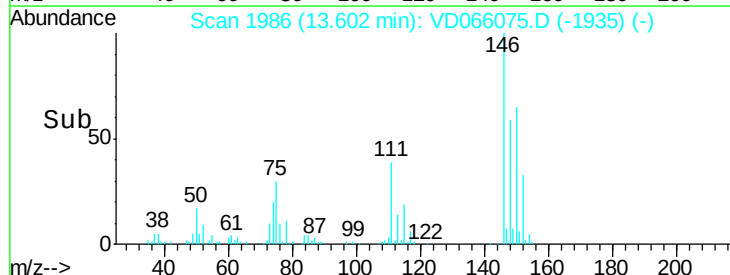
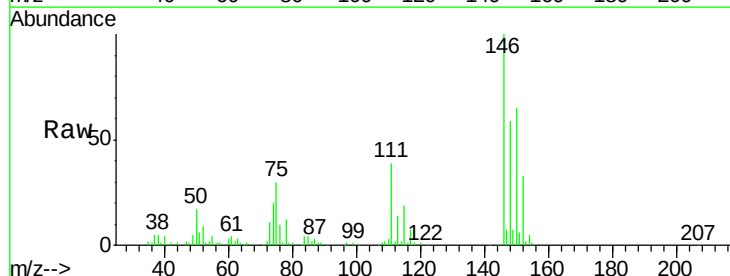
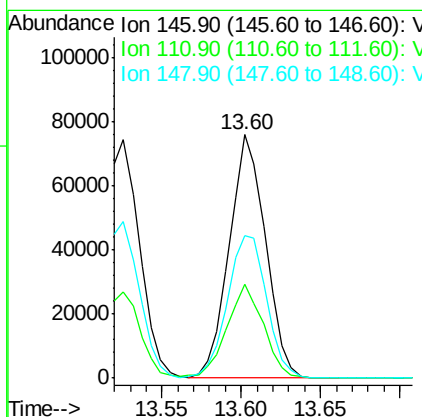
RT: 13.60 min Scan# 1986

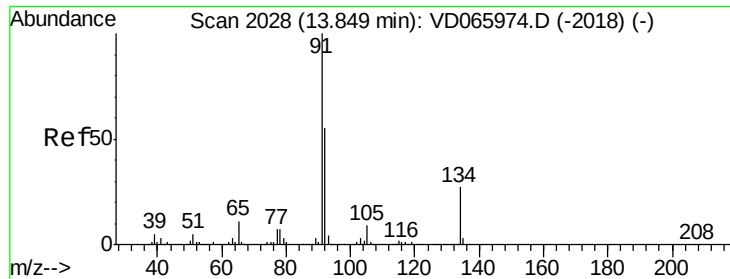
Delta R.T. -0.00 min

Lab File: VD066075.D

Acq: 28 Jul 2020 12:54

Tgt Ion:	146	Resp:	120747
Ion Ratio	Lower	Upper	
146	100		
111	38.7	18.8	56.4
148	63.0	32.2	96.6





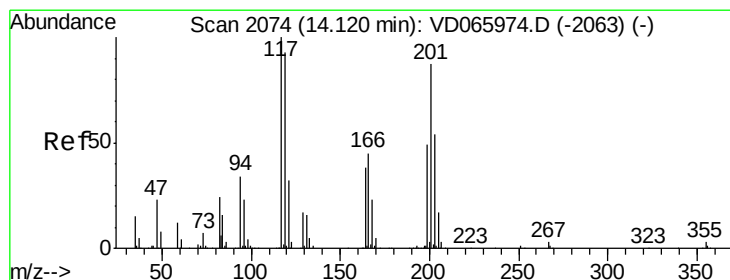
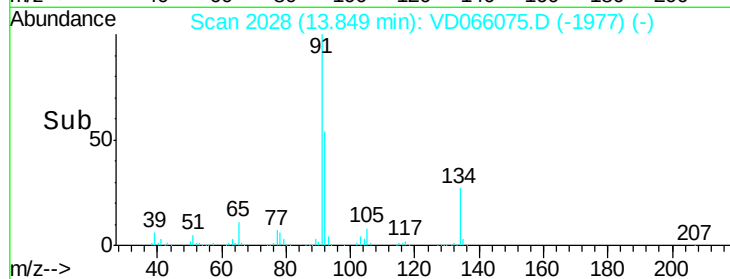
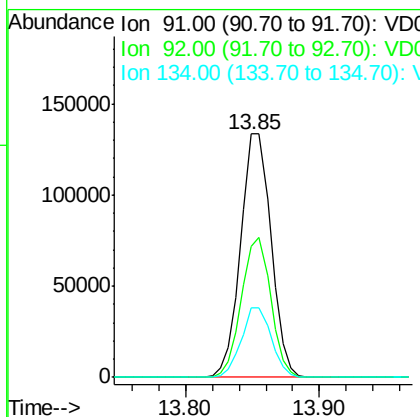
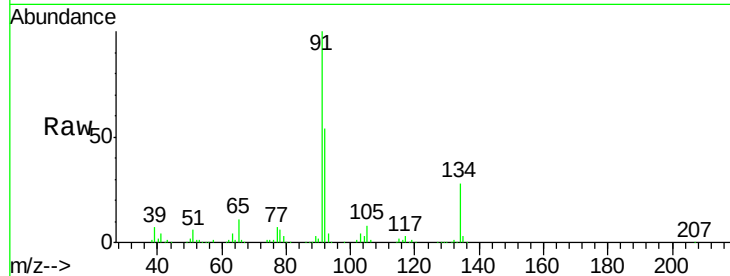
#89
n-Butylbenzene
Concen: 22.181 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.6
134	28.2	13.8	41.4

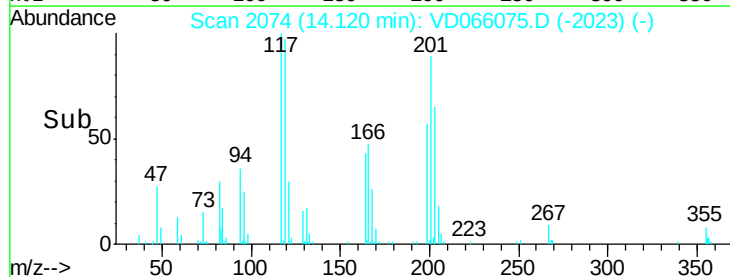
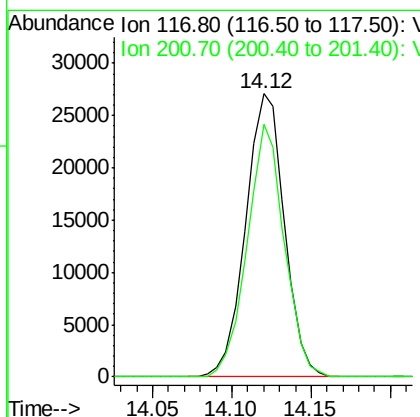
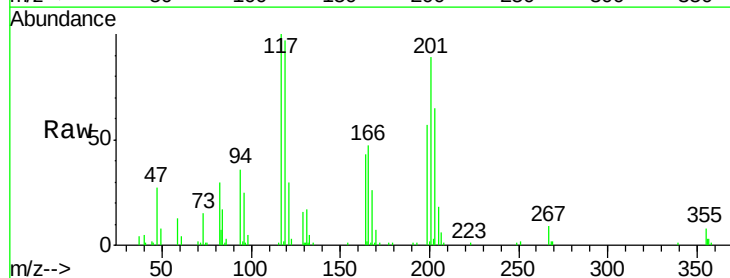
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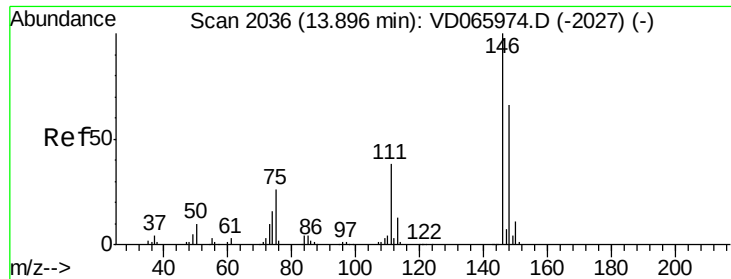
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#90
Hexachloroethane
Concen: 21.645 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	42.0	126.1





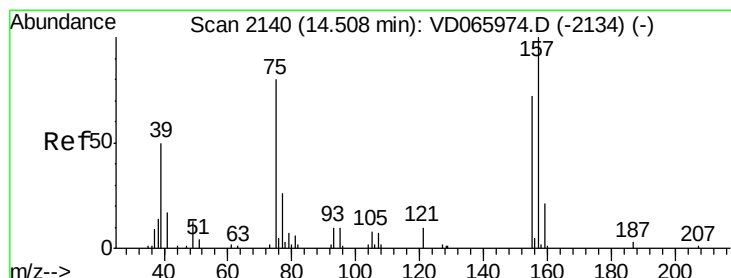
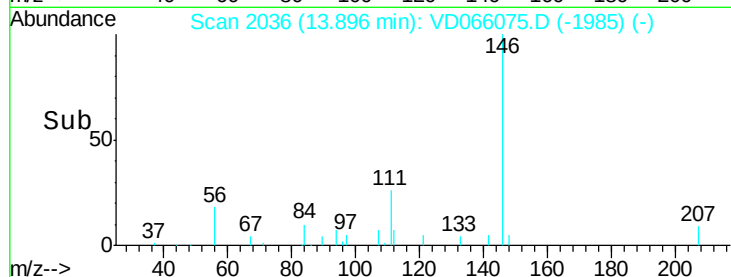
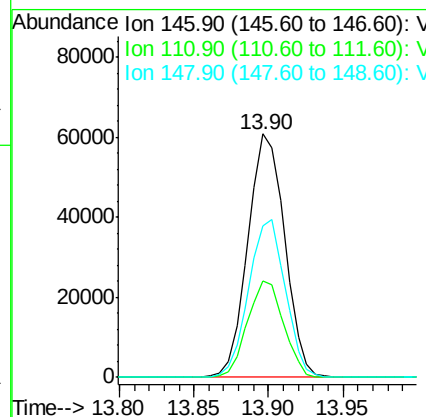
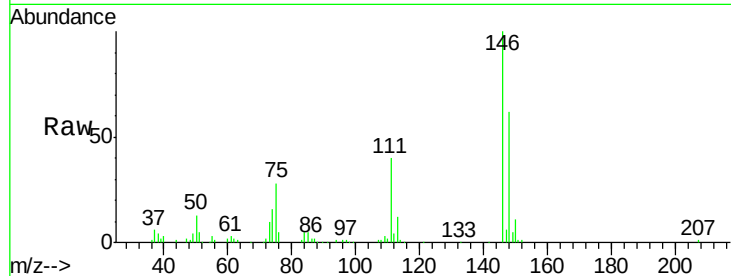
#91
 1,2-Dichlorobenzene
 Concen: 22.114 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.4	32.7	98.1

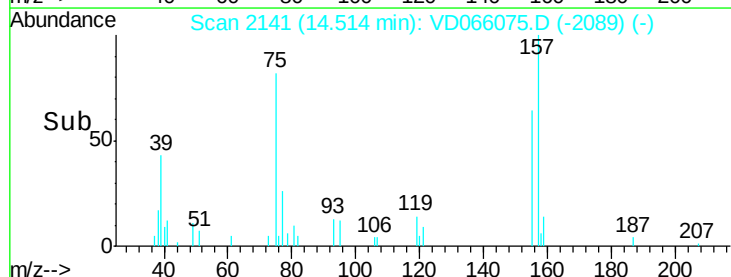
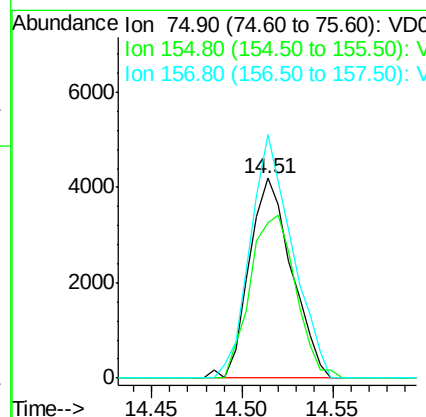
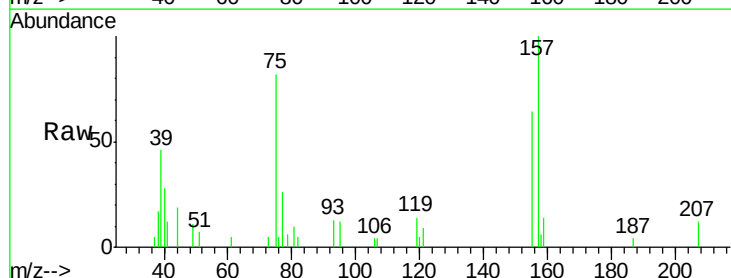
Manual Integrations
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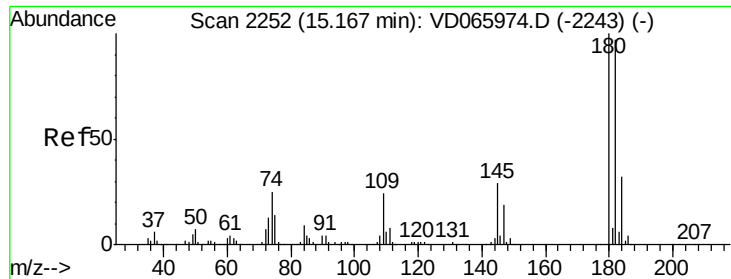
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.143 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	48.5	145.5
157	120.2	64.7	194.1





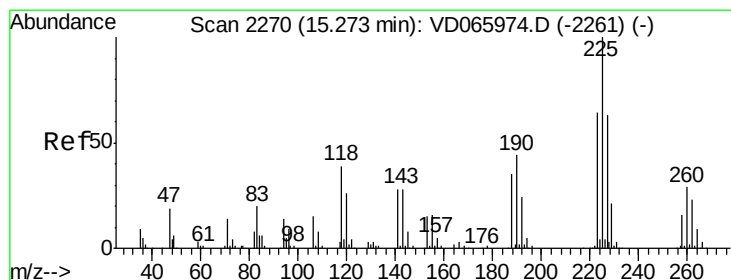
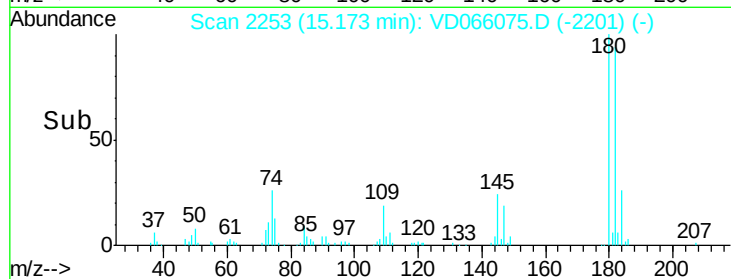
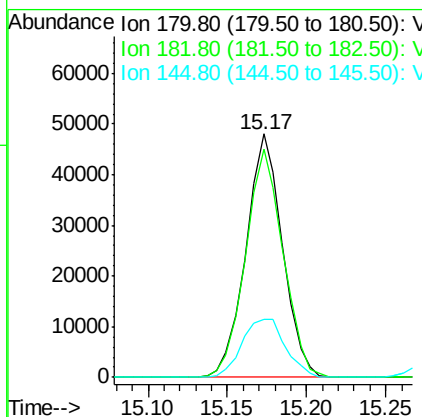
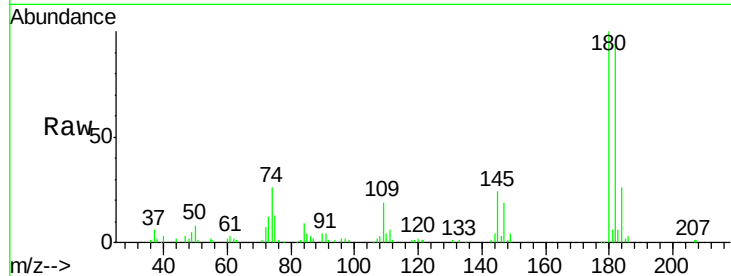
#93
 1,2,4-Trichlorobenzene
 Concen: 22.874 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.1	144.3
145	28.4	14.7	44.1

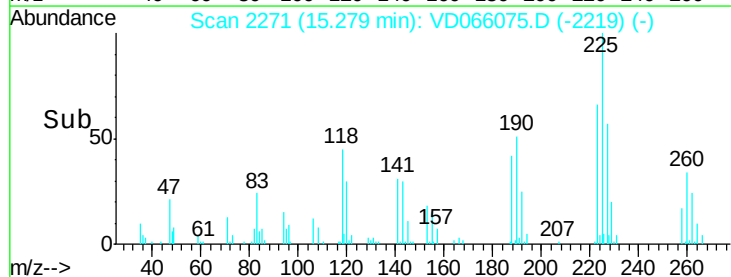
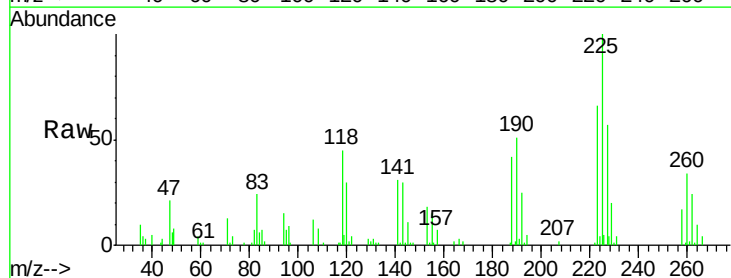
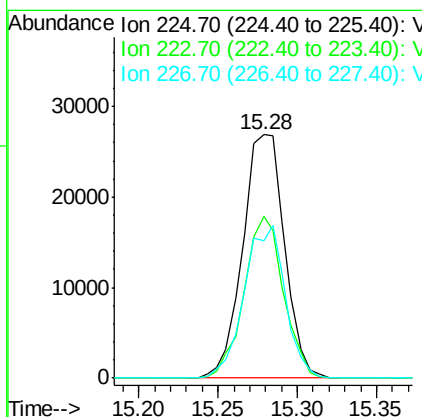
Manual Integrations
 APPROVED

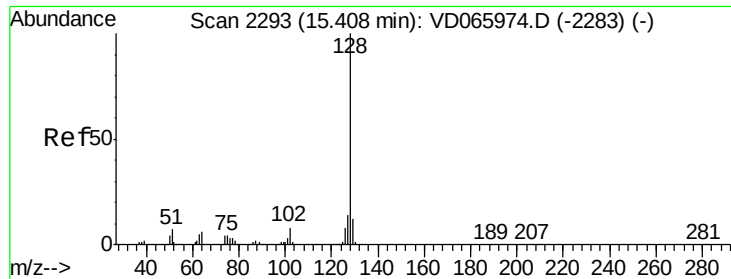
MMDadoda
 7/29/2020 7:05:56 PM



#94
 Hexachlorobutadiene
 Concen: 23.752 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066075.D
 Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.2	93.6
227	61.3	31.6	94.8





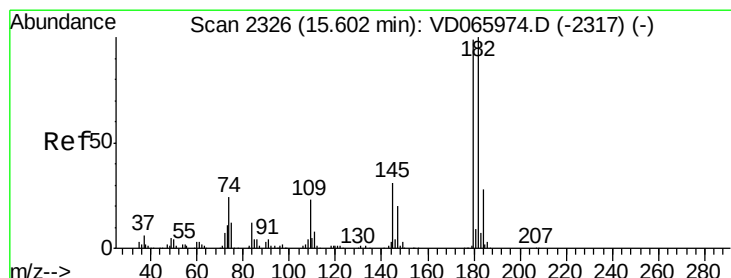
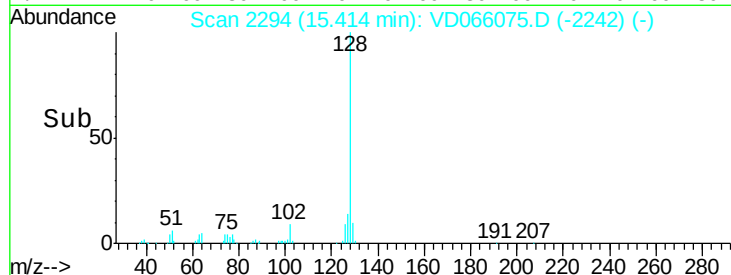
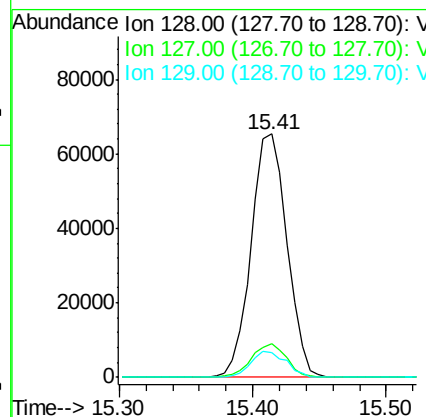
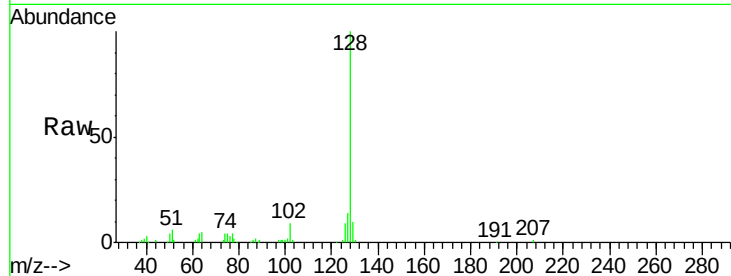
#95
Naphthalene
Concen: 22.326 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	120965		
127	13.5	10.8	16.2	
129	10.6	8.9	13.3	

Manual Integrations
APPROVED

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7/29/2020 7:05:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.326 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD066075.D
Acq: 28 Jul 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65317		
182	98.0	47.9	143.6	
145	31.5	15.4	46.2	

