

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066969.D
 Acq On : 30 Sep 2020 13:08
 Operator : VA/SY
 Sample : VD0930SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:41:48 PM

Quant Time: Oct 01 01:09:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	641159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	589032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	179800	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
35) Dibromofluoromethane	7.91	113	193388	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	10.34	98	684865	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.63	95	242027	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73191	22.370	ug/l	90
3) Chloromethane	2.21	50	69478	18.432	ug/l	99
4) Vinyl Chloride	2.35	62	70011	18.800	ug/l	96
5) Bromomethane	2.76	94	50515	19.299	ug/l	100
6) Chloroethane	2.93	64	42712	18.470	ug/l	97
7) Trichlorofluoromethane	3.27	101	155758	20.366	ug/l	96
8) Diethyl Ether	3.71	74	39915	20.558	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	92955	20.961	ug/l	99
10) Methyl Iodide	4.30	142	76199	19.471	ug/l	98
11) Tert butyl alcohol	5.21	59	32564	106.868	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	81103	20.188	ug/l	96
13) Acrolein	3.92	56	22996	77.632	ug/l	96
14) Allyl chloride	4.72	41	109784	18.610	ug/l	95
15) Acrylonitrile	5.43	53	83834	97.431	ug/l	98
16) Acetone	4.16	43	67770	79.560	ug/l	99
17) Carbon Disulfide	4.41	76	237573	19.343	ug/l	98
18) Methyl Acetate	4.73	43	37219	17.202	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	176526	20.234	ug/l	94
20) Methylene Chloride	4.97	84	111288	20.809	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	94570	20.330	ug/l	94
22) Diisopropyl ether	6.36	45	240280	19.810	ug/l	96
23) Vinyl Acetate	6.31	43	588078	91.020	ug/l	96
24) 1,1-Dichloroethane	6.27	63	158840	19.575	ug/l #	96
25) 2-Butanone	7.21	43	96988	94.747	ug/l	98
26) 2,2-Dichloropropane	7.21	77	146749	19.732	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	103780	20.534	ug/l	99
28) Bromochloromethane	7.54	49	61193	18.255	ug/l	90
29) Tetrahydrofuran	7.57	42	60709	92.558	ug/l	93
30) Chloroform	7.71	83	175933	20.114	ug/l	100
31) Cyclohexane	7.98	56	140016	19.177	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	158467	20.028	ug/l	98
36) 1,1-Dichloropropene	8.11	75	126779	19.931	ug/l	97
37) Ethyl Acetate	7.29	43	46547	20.242	ug/l	96
38) Carbon Tetrachloride	8.10	117	142018	20.422	ug/l	96

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Manual Integrations
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Quant Time: Oct 01 01:09:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	149981	20.536	ug/l	98
40) Benzene	8.35	78	362750	20.463	ug/l	98
41) Methacrylonitrile	7.53	41	22646m	16.014	ug/l	
42) 1,2-Dichloroethane	8.42	62	104915	20.019	ug/l	100
43) Isopropyl Acetate	8.45	43	85928	19.382	ug/l	98
44) Trichloroethene	9.11	130	108880	21.548	ug/l	91
45) 1,2-Dichloropropane	9.38	63	91382	20.488	ug/l	99
46) Dibromomethane	9.47	93	49908	20.594	ug/l	94
47) Bromodichloromethane	9.66	83	133038	20.436	ug/l #	96
48) Methyl methacrylate	9.46	41	45289	20.720	ug/l	91
49) 1,4-Dioxane	9.46	88	12557	394.037	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	221451	98.582	ug/l	98
52) Toluene	10.40	92	240807	21.089	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	115741	20.889	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	140576	20.807	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	71912	21.586	ug/l	97
56) Ethyl methacrylate	10.66	69	74419	20.852	ug/l	96
57) 1,3-Dichloropropane	10.94	76	116034	21.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	206274	122.066	ug/l	99
59) 2-Hexanone	10.98	43	146463	96.682	ug/l	97
60) Dibromochloromethane	11.14	129	92849	21.355	ug/l	98
61) 1,2-Dibromoethane	11.24	107	68510	22.110	ug/l	99
64) Tetrachloroethene	10.87	164	93010	21.952	ug/l	95
65) Chlorobenzene	11.67	112	261137	21.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	97603	21.033	ug/l	98
67) Ethyl Benzene	11.74	91	451050	20.946	ug/l	100
68) m/p-Xylenes	11.86	106	354518	43.482	ug/l	97
69) o-Xylene	12.18	106	155823	21.136	ug/l	100
70) Styrene	12.20	104	274088	21.408	ug/l	99
71) Bromoform	12.36	173	53517	22.777	ug/l #	98
73) Isopropylbenzene	12.48	105	430282	20.659	ug/l	97
74) N-amyl acetate	12.29	43	77412	19.032	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	72843	20.268	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	46457m	19.443	ug/l	
77) Bromobenzene	12.76	156	104560	21.465	ug/l	94
78) n-propylbenzene	12.82	91	516488	20.612	ug/l	98
79) 2-Chlorotoluene	12.91	91	291445	20.411	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	362961	20.538	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22570	23.633	ug/l	97
82) 4-Chlorotoluene	13.01	91	315963	20.991	ug/l	100
83) tert-Butylbenzene	13.23	119	304196	20.947	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	370012	21.114	ug/l	99
85) sec-Butylbenzene	13.40	105	444942	21.306	ug/l	99
86) p-Isopropyltoluene	13.52	119	407926	21.671	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	204889	21.290	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	199847	20.908	ug/l	98
89) n-Butylbenzene	13.85	91	367352	20.532	ug/l	99
90) Hexachloroethane	14.11	117	76356	19.980	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	174418	21.183	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11773	20.363	ug/l	91

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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MSVOA_D
ClientSampleId :
VD0930SBSD01

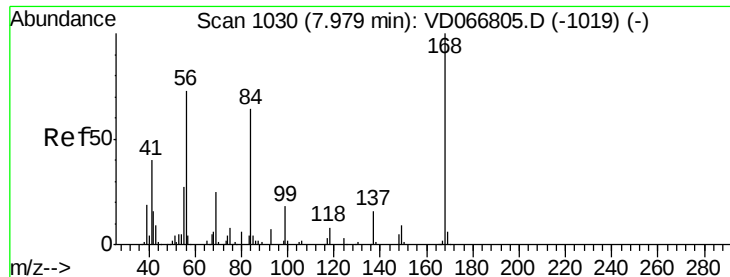
Manual Integrations
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10/1/2020 2:41:48 PM

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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110391	21.298	ug/l	99
94) Hexachlorobutadiene	15.28	225	68243	21.971	ug/l	98
95) Naphthalene	15.41	128	184609	20.979	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	95265	21.295	ug/l	99

(#) = 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: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

Tot Ion:168 Resp: 410258

Ion Ratio Lower Upper

168 100

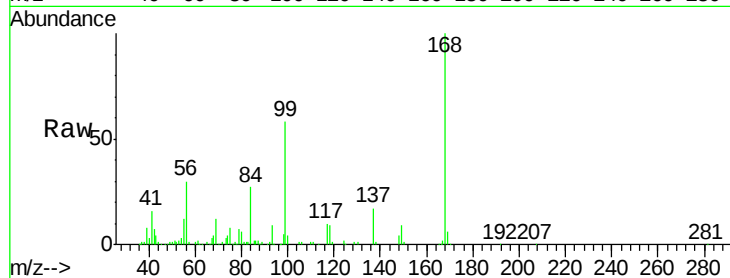
99 57.7 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

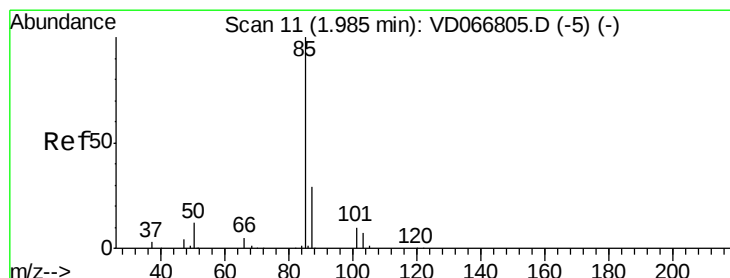
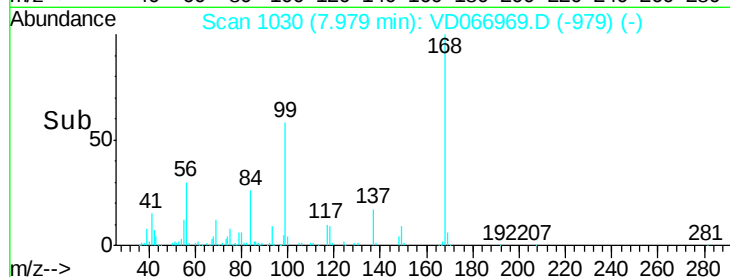
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.370 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066969.D

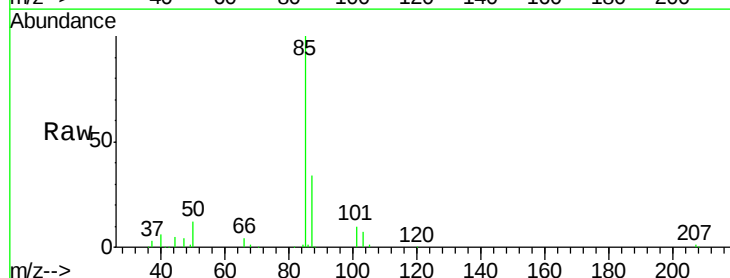
Acq: 30 Sep 2020 13:08

Tgt Ion: 85 Resp: 73191

Ion Ratio Lower Upper

85 100

87 34.2 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

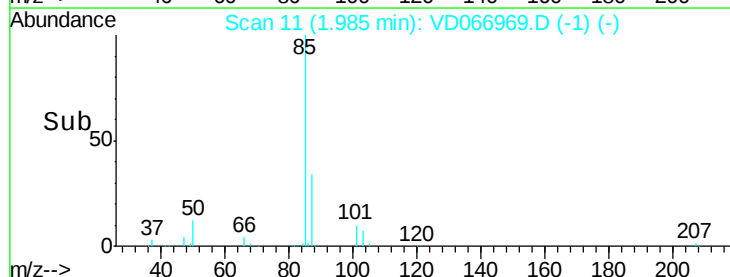
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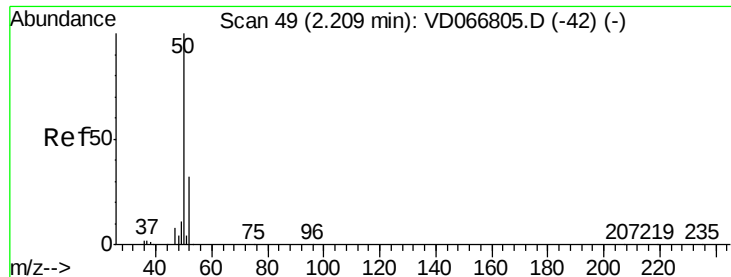
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.432 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

Tot Ion: 50 Resp: 69478

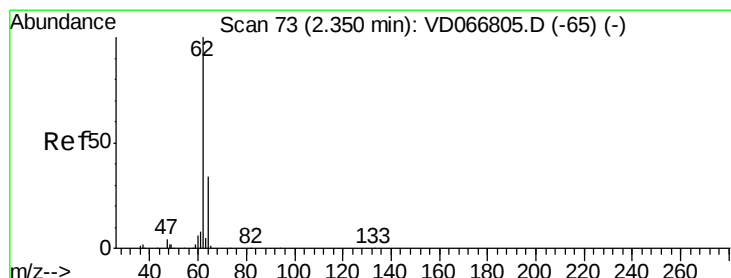
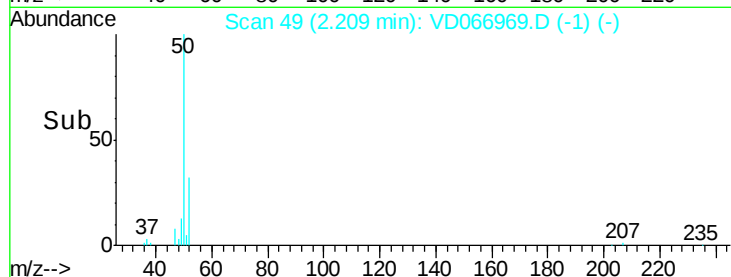
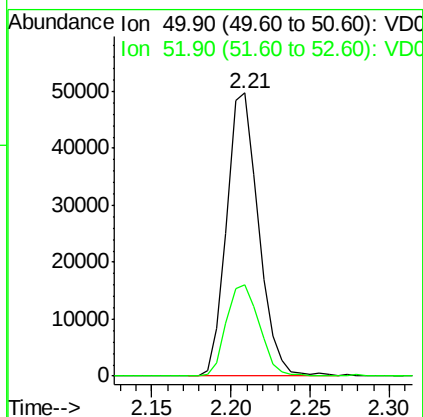
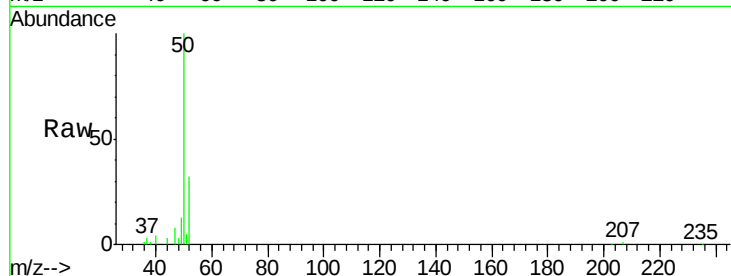
Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.800 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066969.D

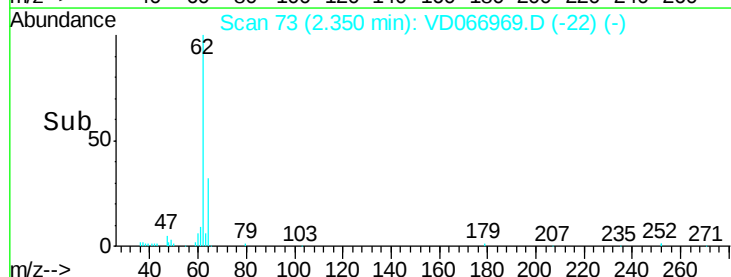
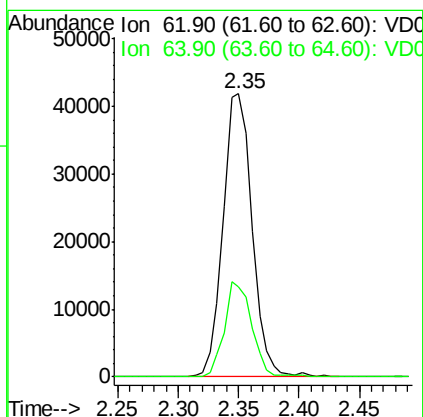
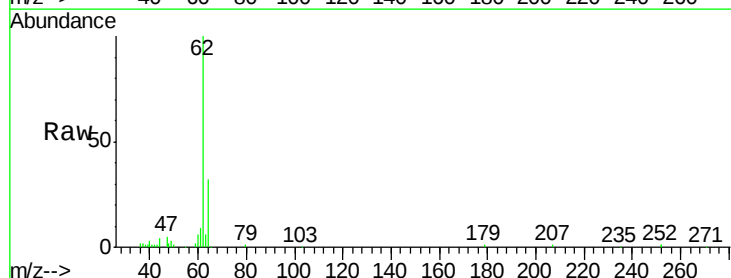
Acq: 30 Sep 2020 13:08

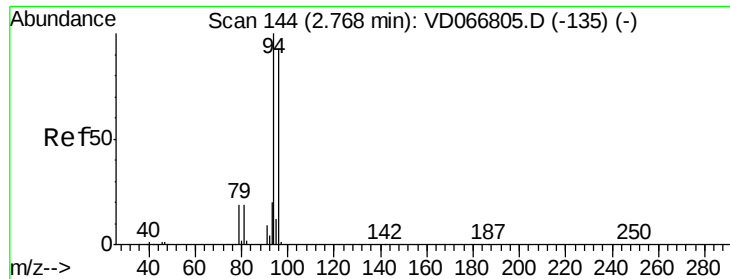
Tgt Ion: 62 Resp: 70011

Ion Ratio Lower Upper

62 100

64 31.7 27.0 40.4





#5

Bromomethane

Concen: 19.299 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 94 Resp: 50515

Ion Ratio Lower Upper

94 100

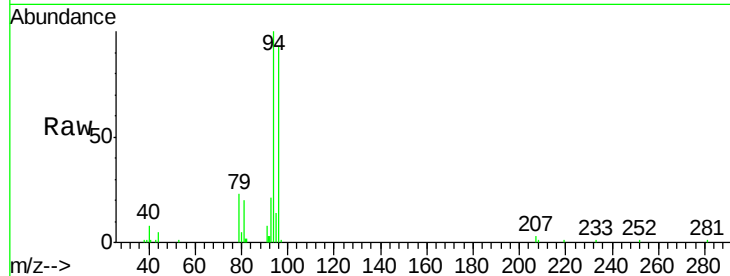
96 92.7 74.3 111.5

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

25000

20000

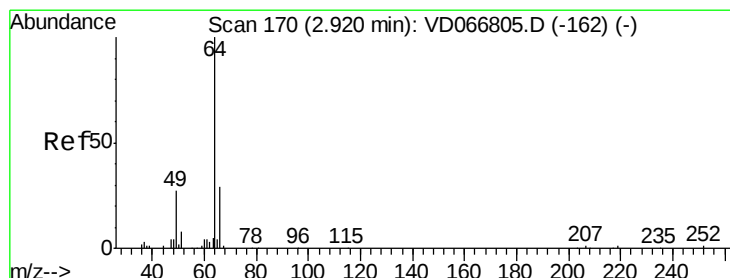
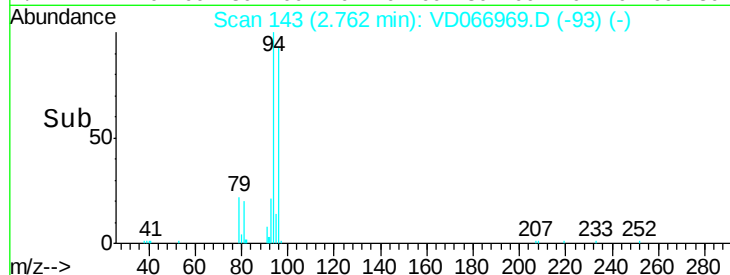
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.470 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066969.D

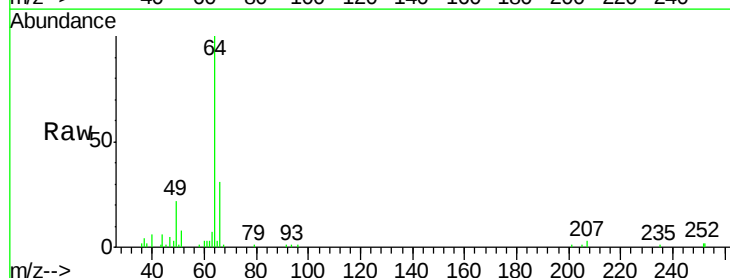
Acq: 30 Sep 2020 13:08

Tgt Ion: 64 Resp: 42712

Ion Ratio Lower Upper

64 100

66 30.5 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

20000

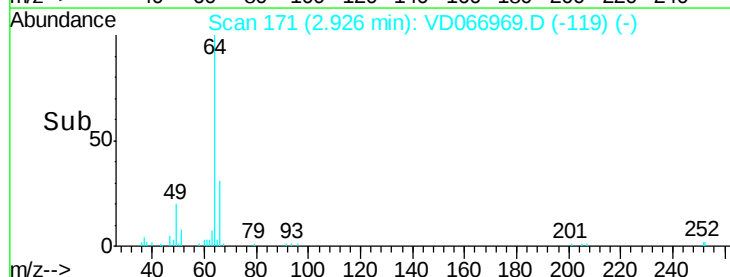
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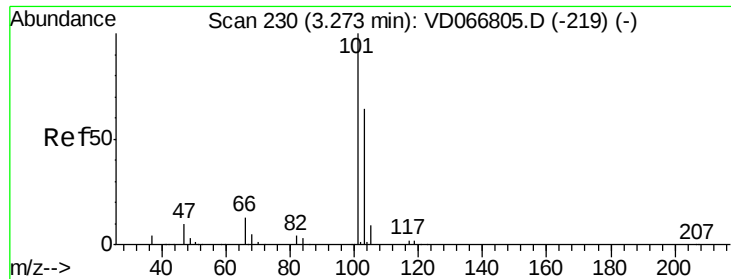
10000

5000

0

Time-->





#7

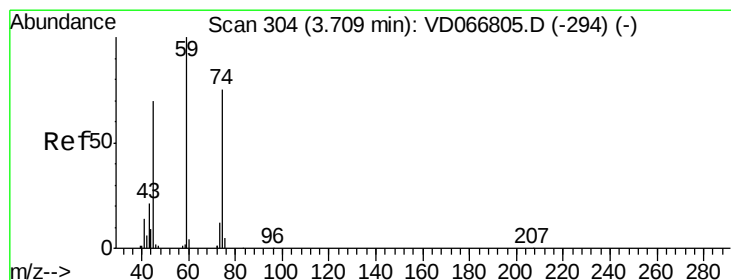
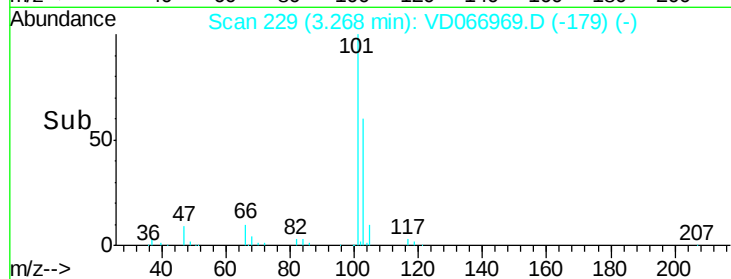
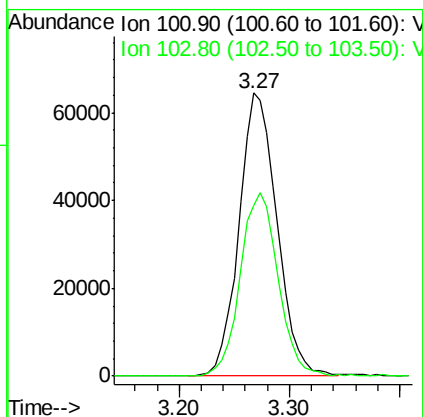
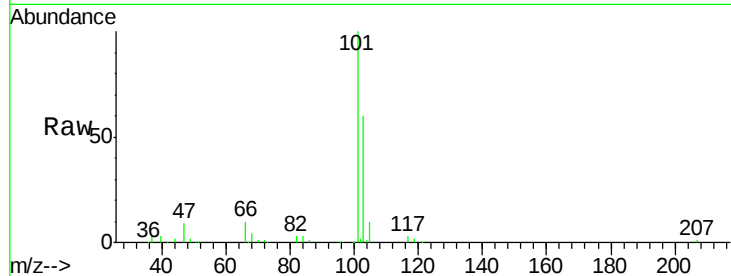
Trichlorofluoromethane
Concen: 20.366 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
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ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	155758		
103	60.5	51.0	76.6	

Manual Integrations
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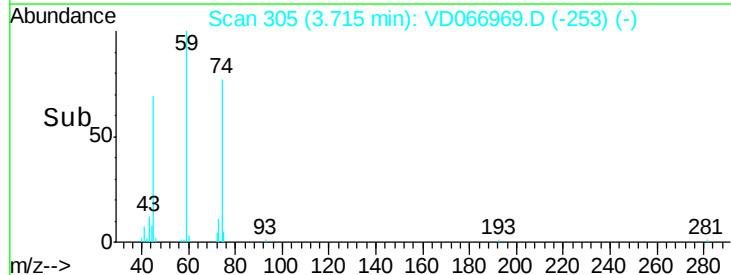
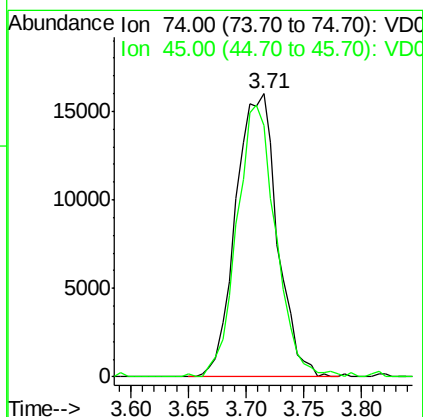
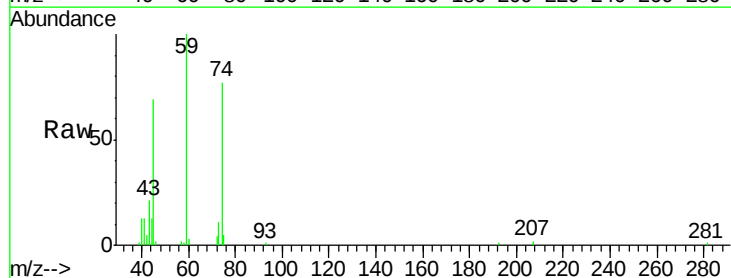
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10/1/2020 2:41:48 PM

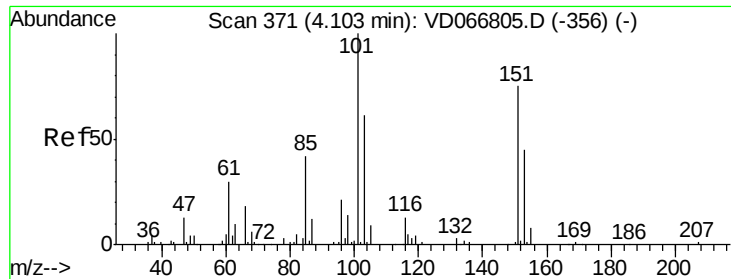


#8

Diethyl Ether
Concen: 20.558 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39915		
45	90.2	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.961 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

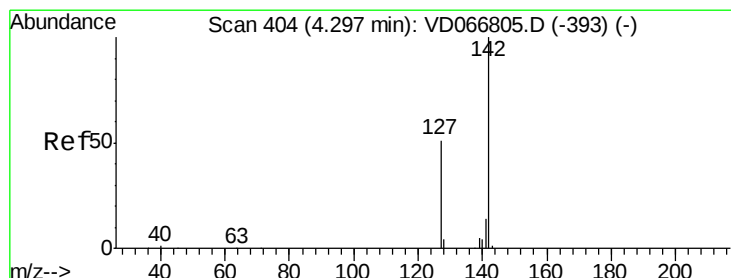
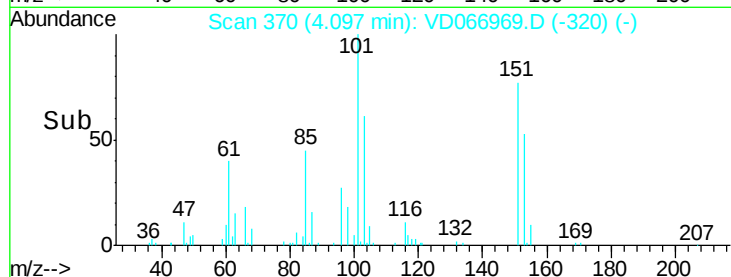
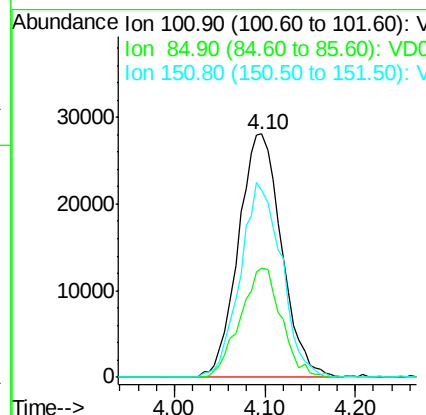
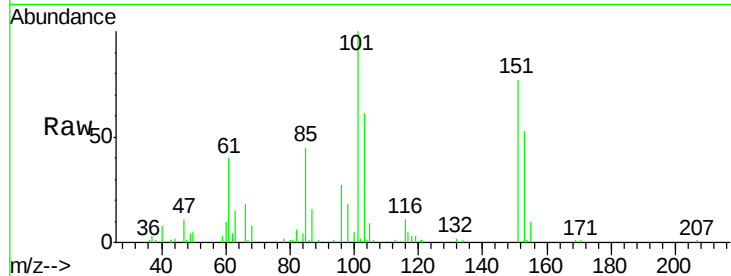
ClientSampleId :

VD0930SBS01

Tot Ion:	101	Resp:	92955
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.4	53.2
151	76.7	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.471 ug/l

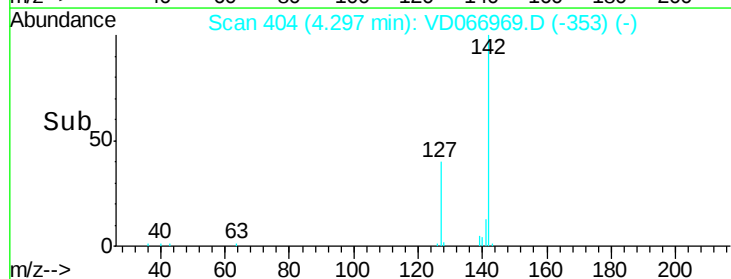
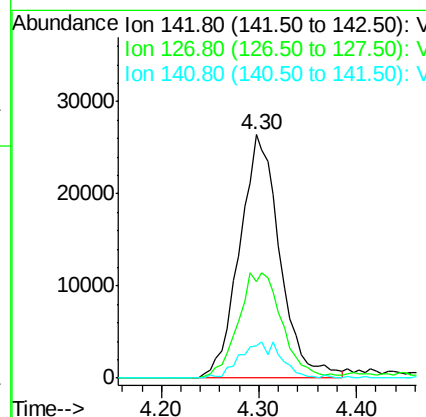
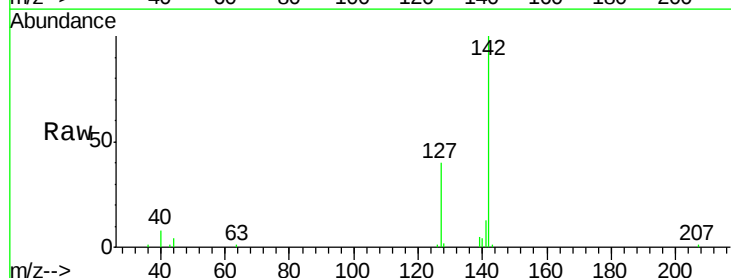
RT: 4.30 min Scan# 404

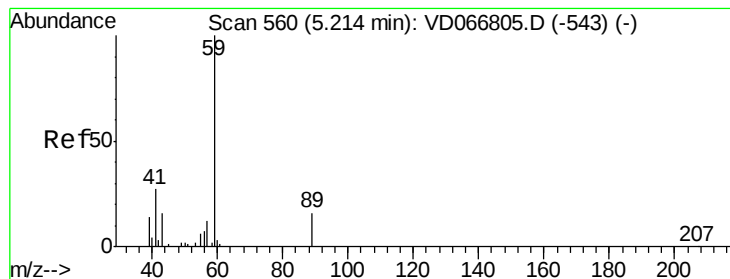
Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion:	142	Resp:	76199
Ion Ratio	Lower	Upper	
142	100		
127	47.3	39.4	59.0
141	15.1	12.1	18.1





#11

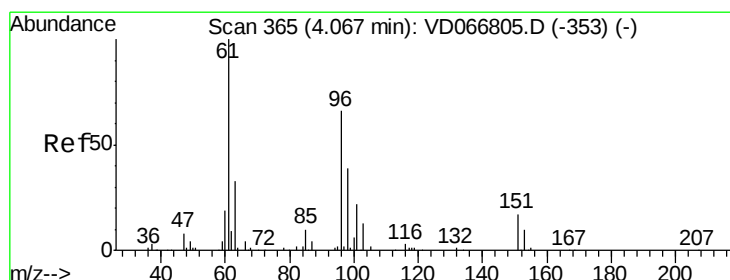
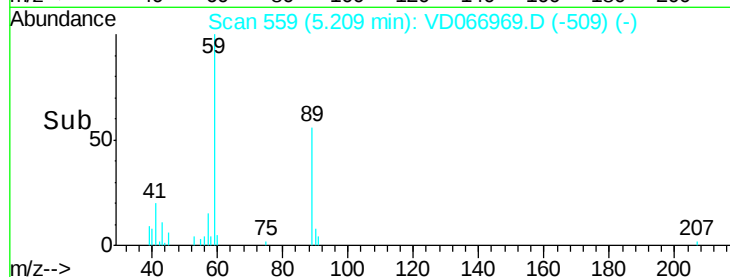
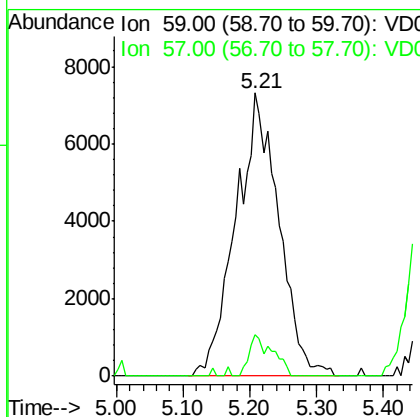
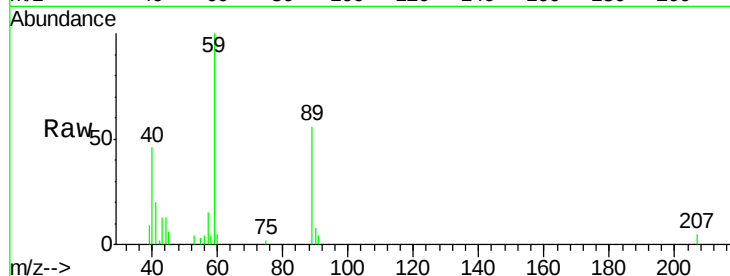
Tert butyl alcohol
Concen: 106.868 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion: 59 Resp: 32564
Ion Ratio Lower Upper
59 100
57 7.8 8.3 12.5#

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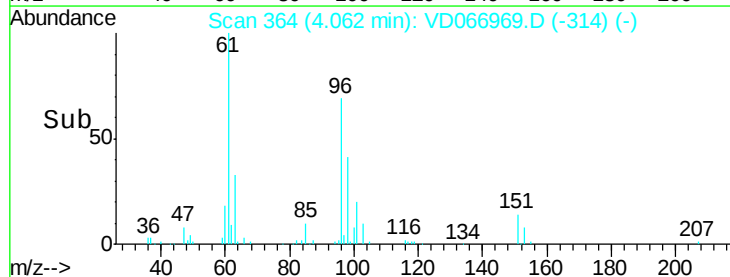
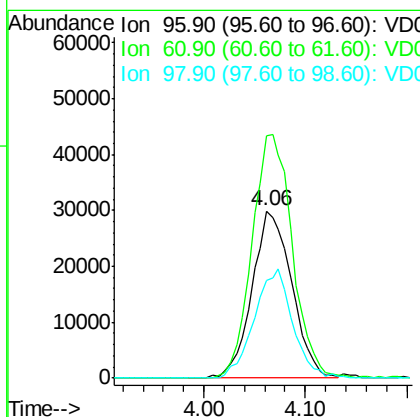
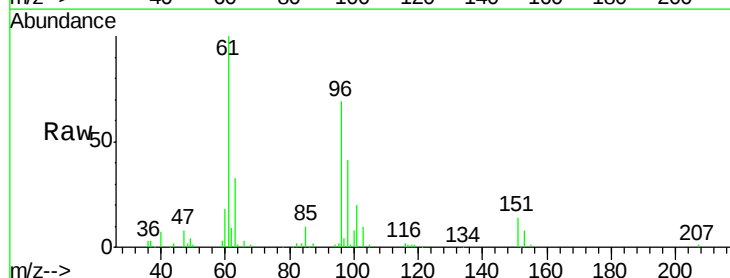
MMDadoda
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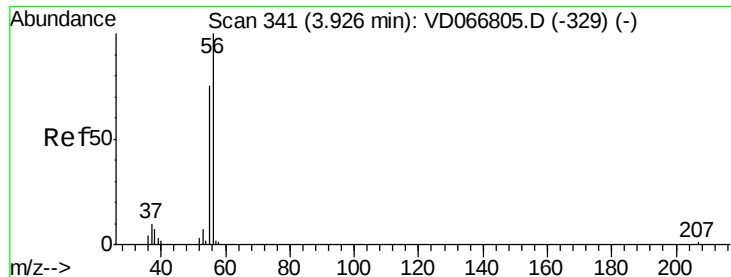


#12

1,1-Dichloroethene
Concen: 20.188 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 96 Resp: 81103
Ion Ratio Lower Upper
96 100
61 144.7 120.8 181.2
98 58.8 47.7 71.5





#13

Acrolein

Concen: 77.632 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 56 Resp: 22996

Ion Ratio Lower Upper

56 100

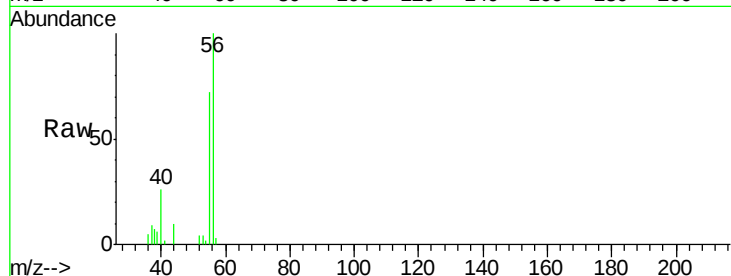
55 78.7 60.3 90.5

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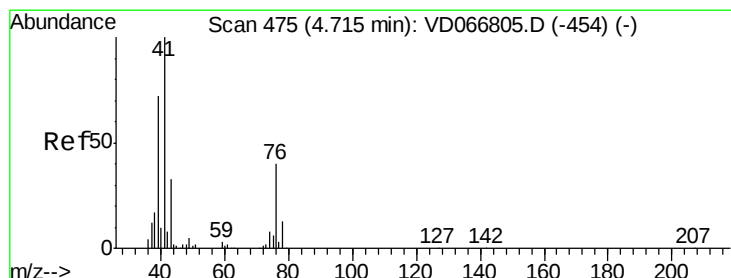
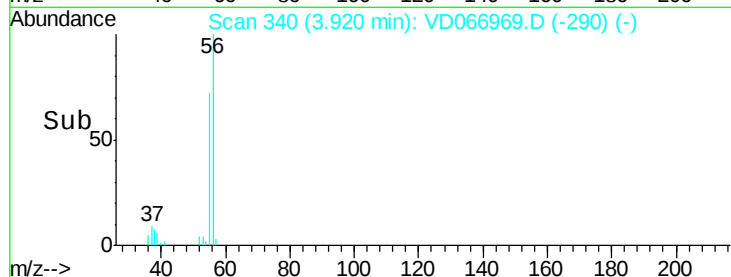
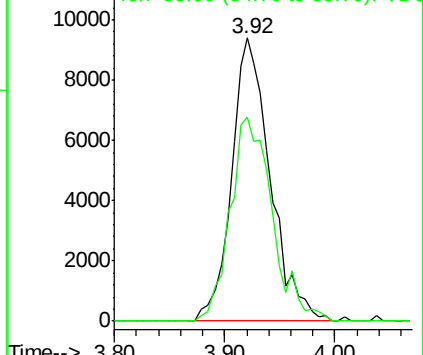
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.610 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

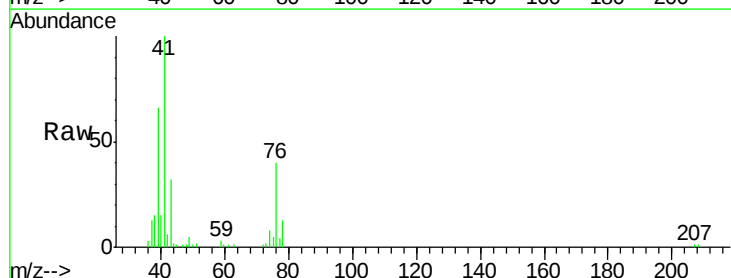
Tgt Ion: 41 Resp: 109784

Ion Ratio Lower Upper

41 100

39 67.1 57.8 86.8

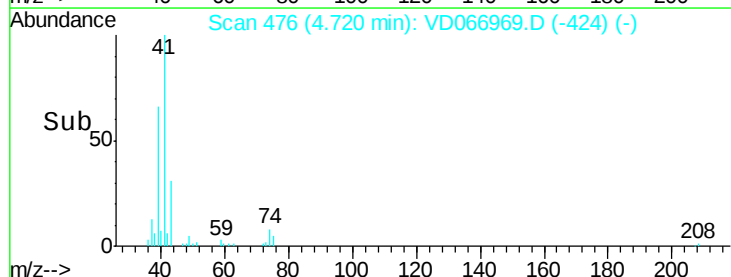
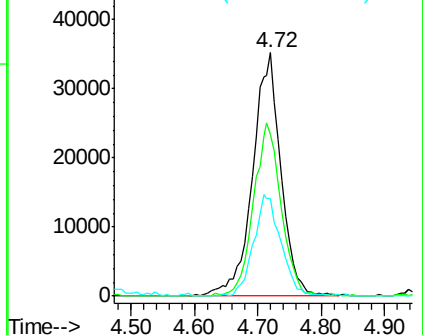
76 40.3 30.9 46.3

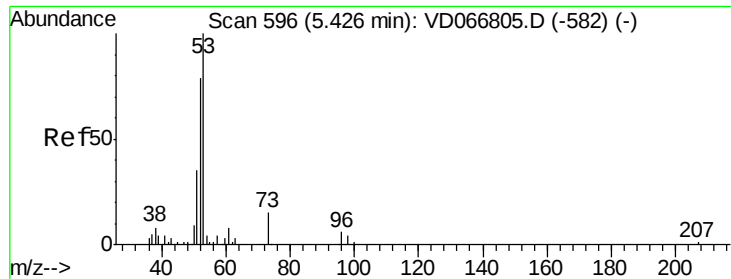


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 97.431 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

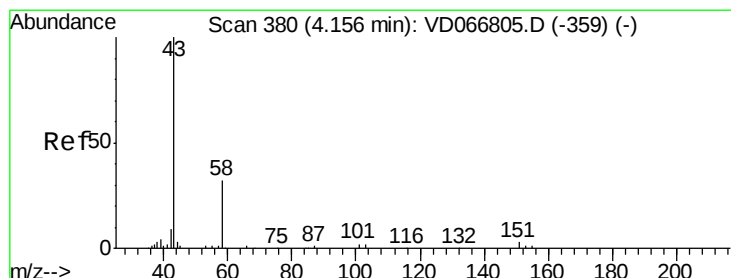
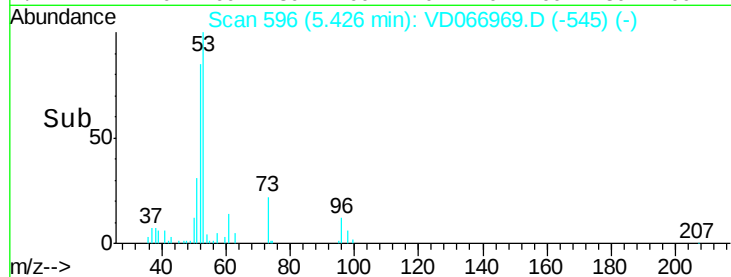
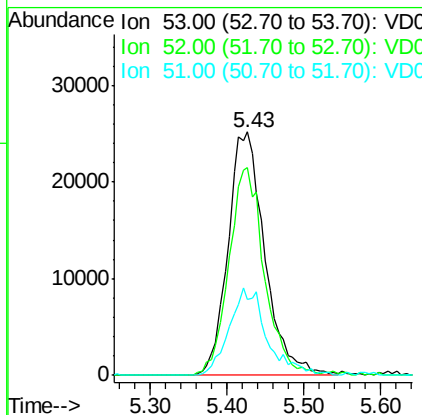
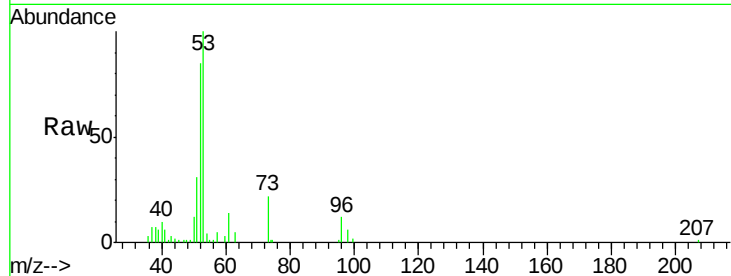
ClientSampleId :

VD0930SBS01

Tot Ion:	53	Resp:	83834
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.2	97.8
51	36.6	30.6	46.0

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#16

Acetone

Concen: 79.560 ug/l

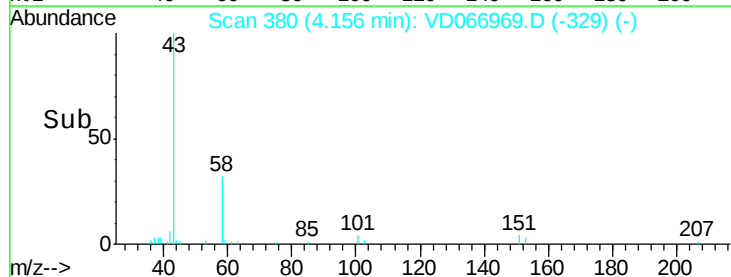
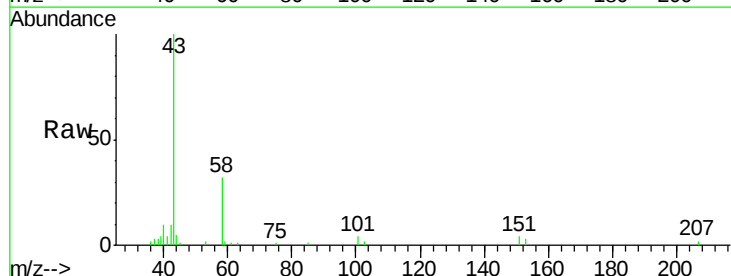
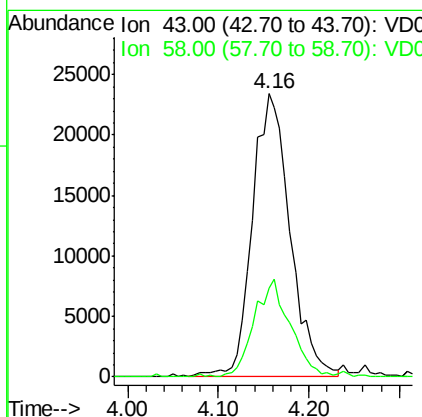
RT: 4.16 min Scan# 380

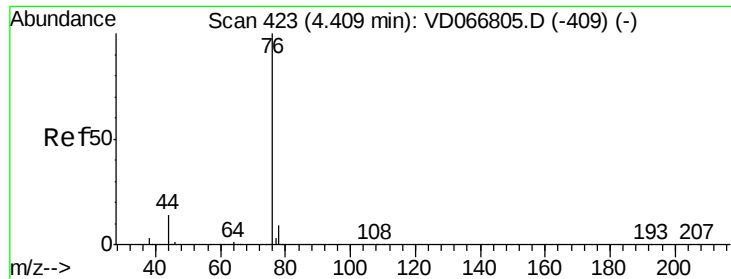
Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion:	43	Resp:	67770
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.6	38.4





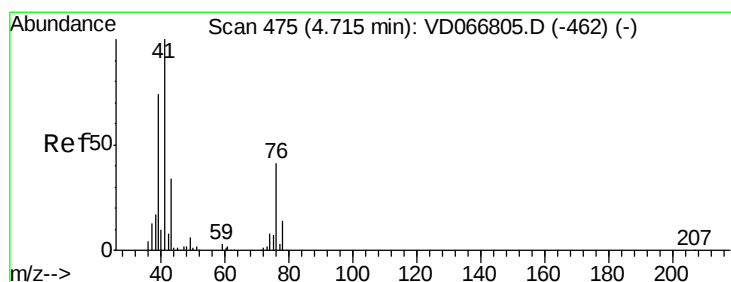
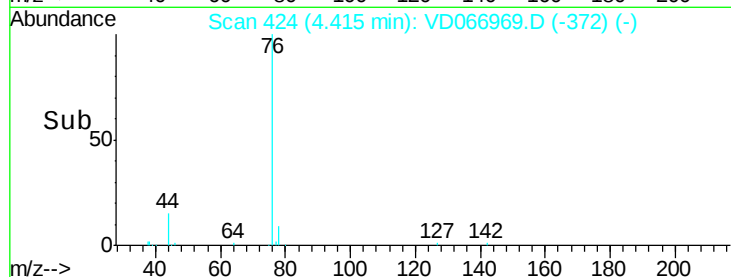
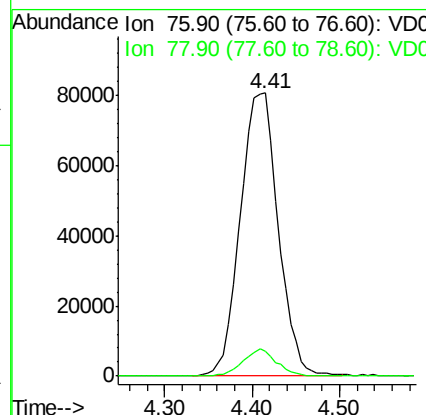
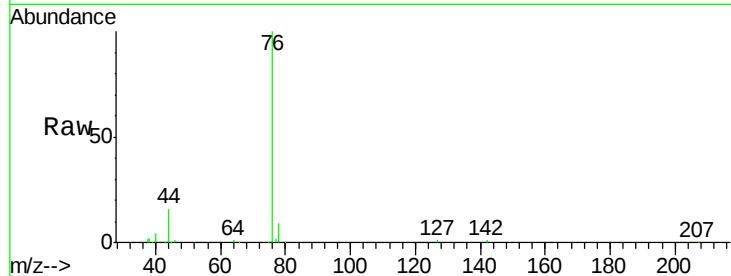
#17
Carbon Disulfide
Concen: 19.343 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

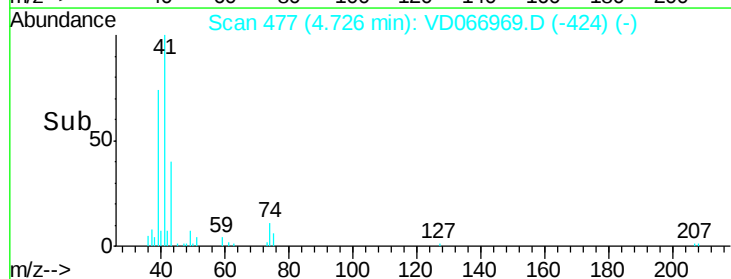
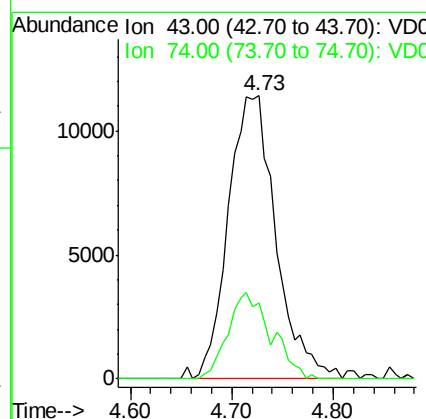
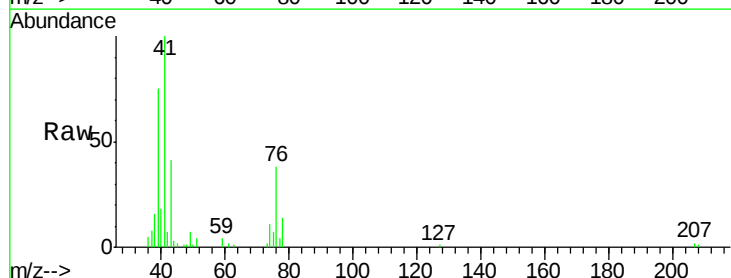
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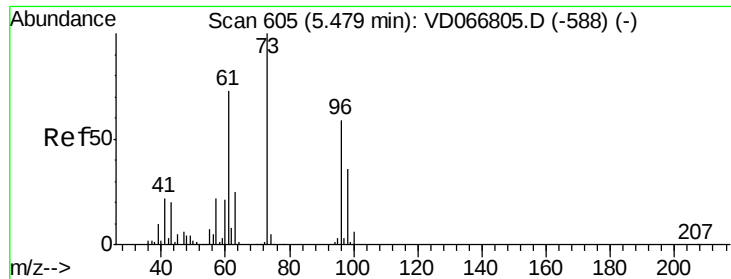
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#18
Methyl Acetate
Concen: 17.202 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	20.3	30.5





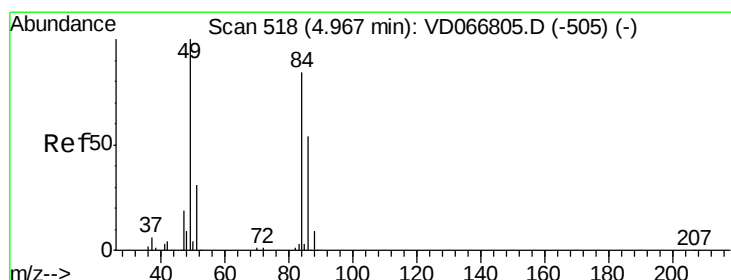
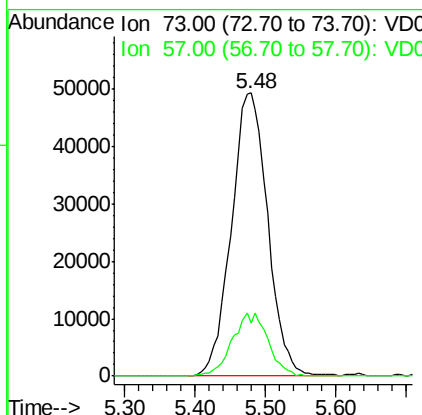
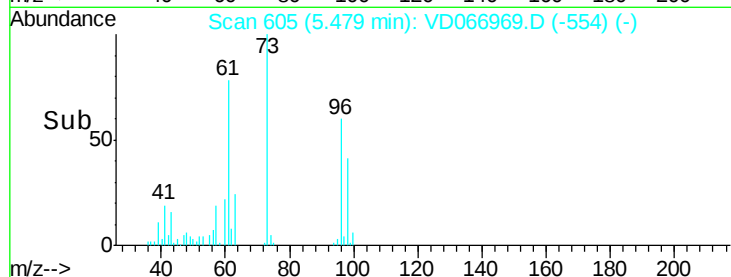
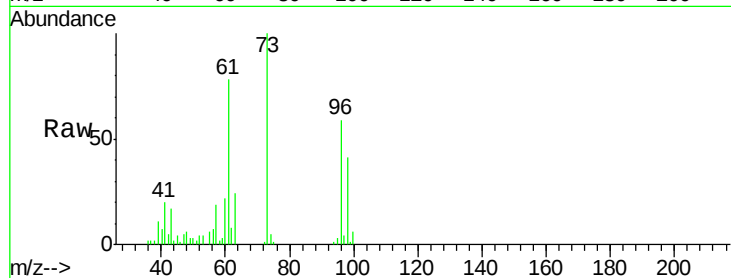
#19
Methvl tert-butvl Ether
Concen: 20.234 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion: 73 Resp: 176526
Ion Ratio Lower Upper
73 100
57 18.7 17.4 26.2

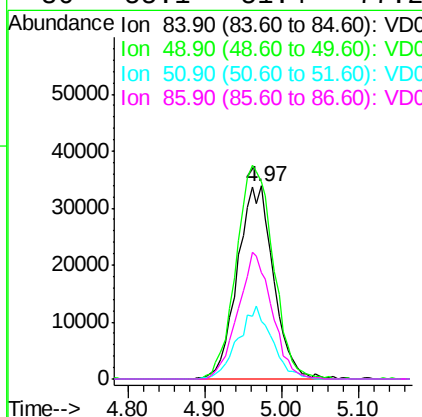
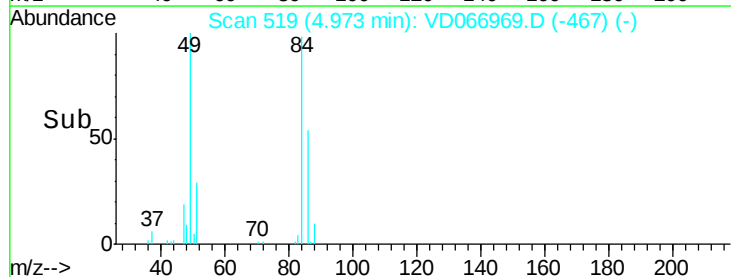
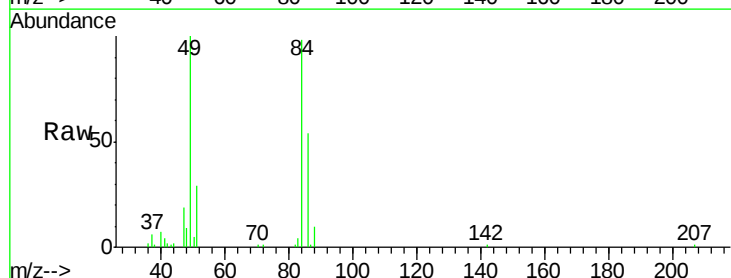
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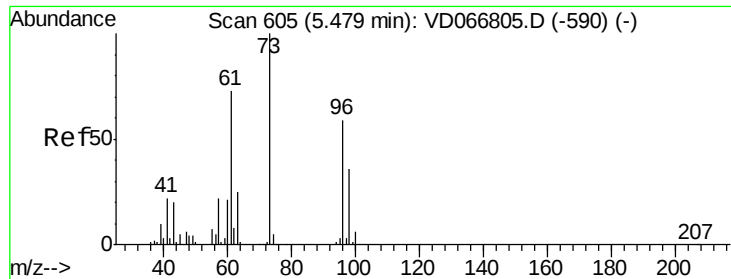
MMDadoda
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#20
Methylene Chloride
Concen: 20.809 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 84 Resp: 111288
Ion Ratio Lower Upper
84 100
49 102.0 95.4 143.2
51 29.9 29.7 44.5
86 55.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.330 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

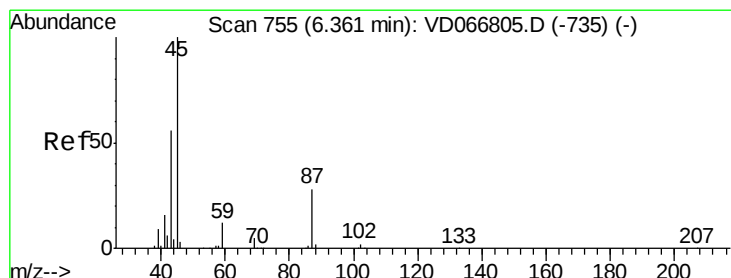
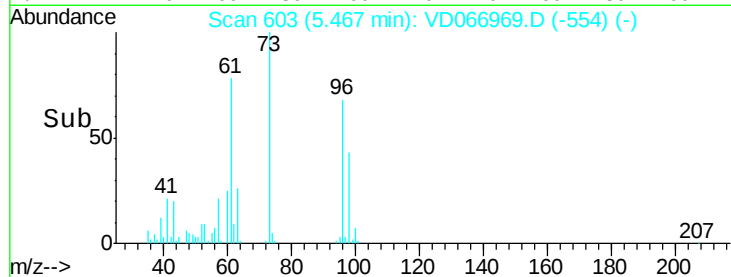
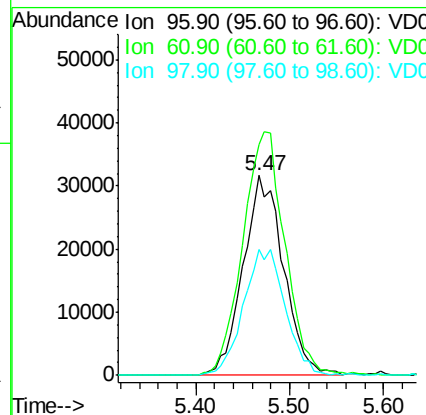
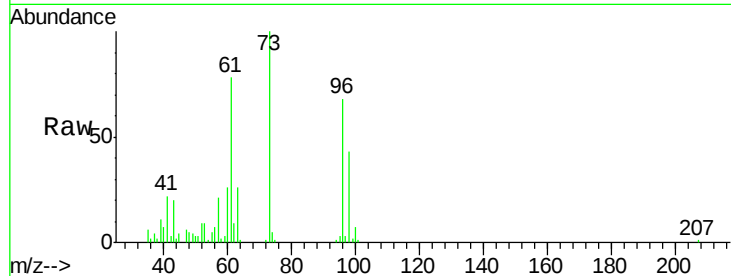
ClientSampleId :

VD0930SBSD01

Tot Ion:	96	Resp:	94570
Ion	Ratio	Lower	Upper
96	100		
61	115.4	98.9	148.3
98	62.9	48.4	72.6

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#22

Diisopropyl ether

Concen: 19.810 ug/l

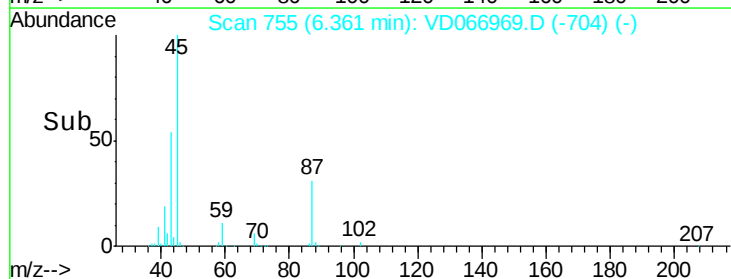
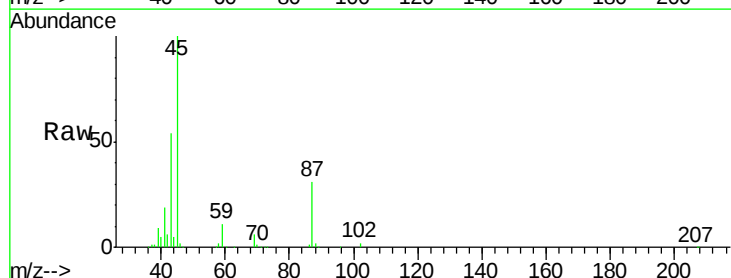
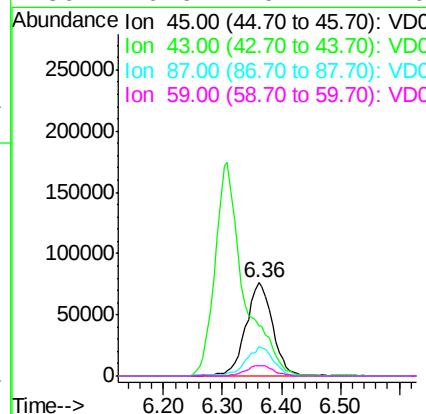
RT: 6.36 min Scan# 755

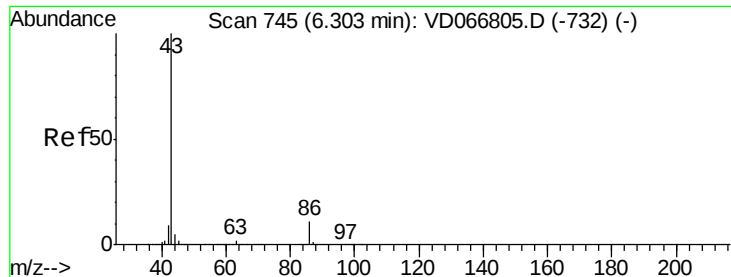
Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion:	45	Resp:	240280
Ion	Ratio	Lower	Upper
45	100		
43	52.9	44.5	66.7
87	30.9	22.9	34.3
59	10.6	9.4	14.0





#23

Vinyl Acetate

Concen: 91.020 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 43 Resp: 588078

Ion Ratio Lower Upper

43 100

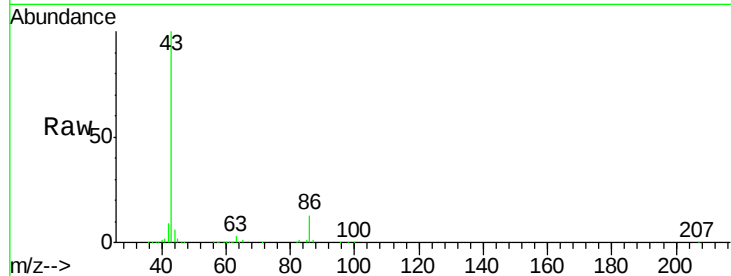
86 12.5 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

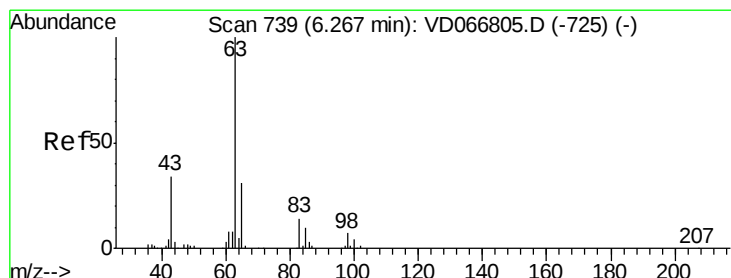
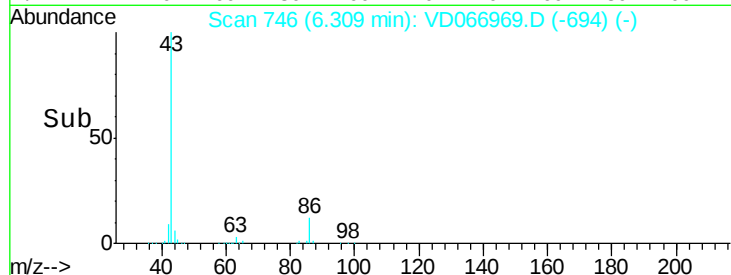
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.575 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

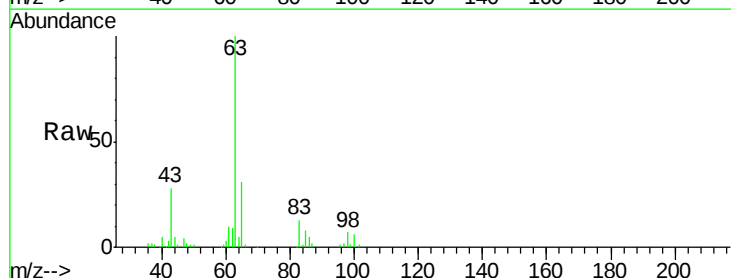
Tgt Ion: 63 Resp: 158840

Ion Ratio Lower Upper

63 100

98 6.6 3.7 11.1

100 5.7 1.8 5.5#



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

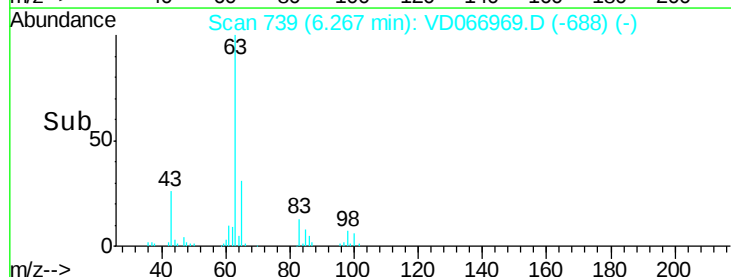
60000

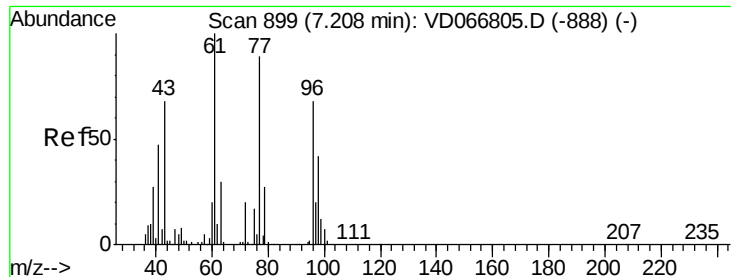
40000

20000

0

Time-->





#25

2-Butanone

Concen: 94.747 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 43 Resp: 96988

Ion Ratio Lower Upper

43 100

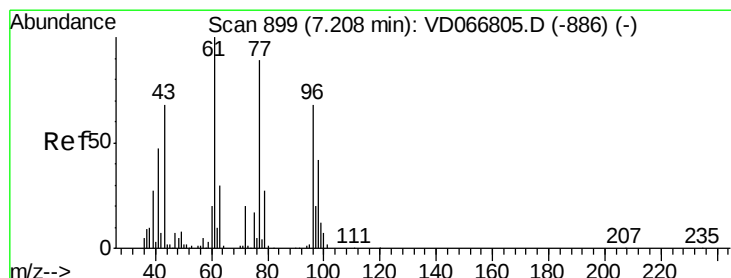
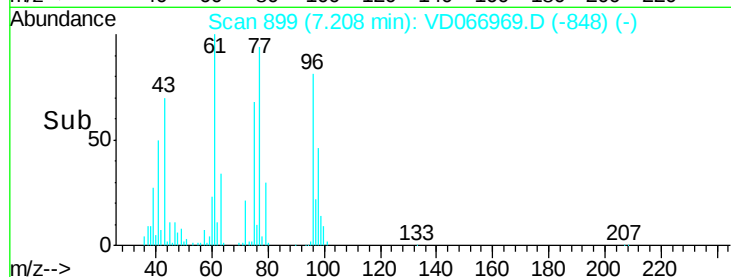
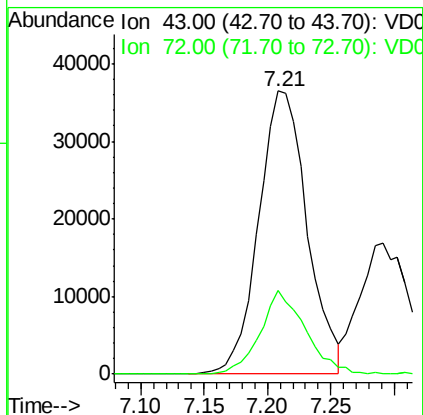
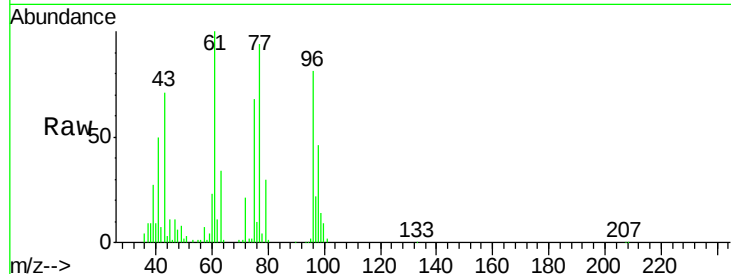
72 29.5 22.9 34.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.732 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066969.D

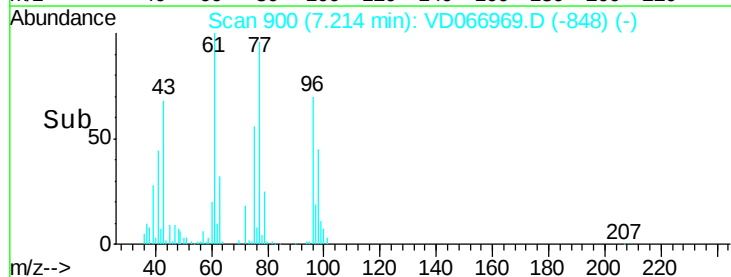
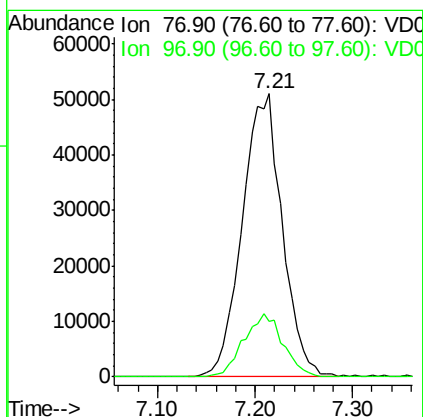
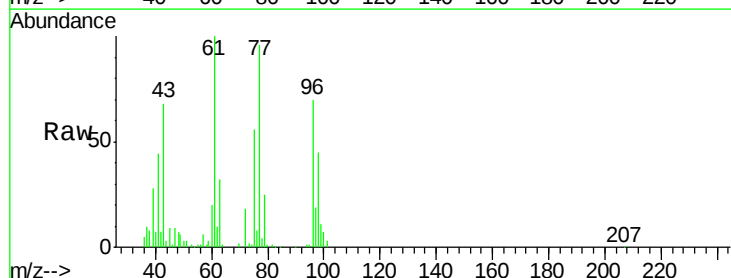
Acq: 30 Sep 2020 13:08

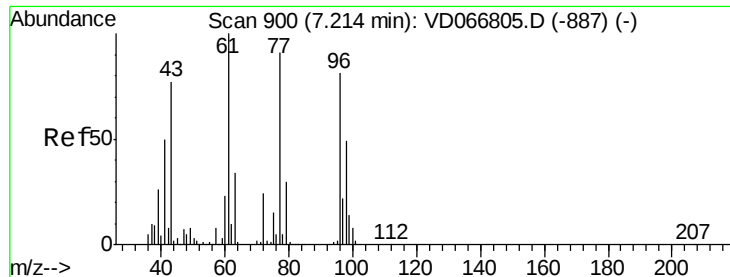
Tgt Ion: 77 Resp: 146749

Ion Ratio Lower Upper

77 100

97 21.9 11.7 35.1





#27

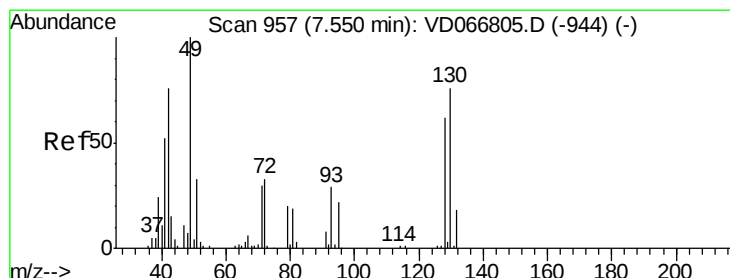
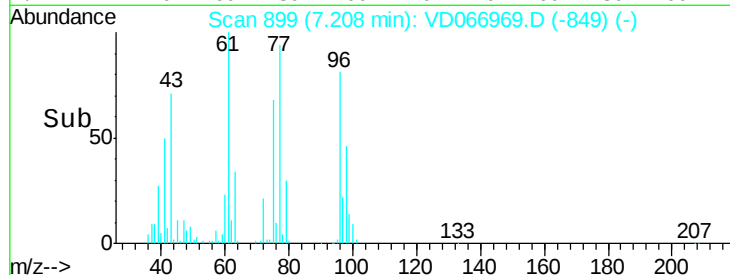
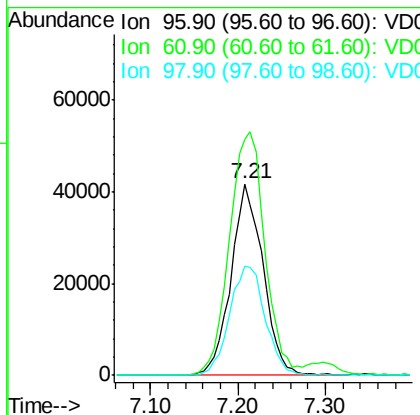
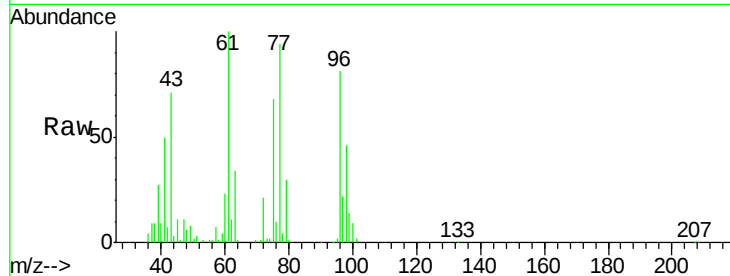
cis-1,2-Dichloroethene
Concen: 20.534 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	103780		
61	140.6		0.0	283.8
98	63.0		0.0	128.4

Manual Integrations
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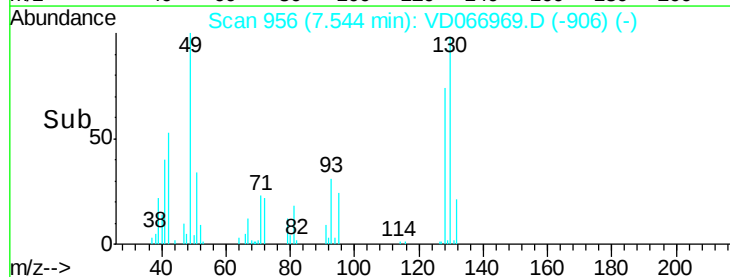
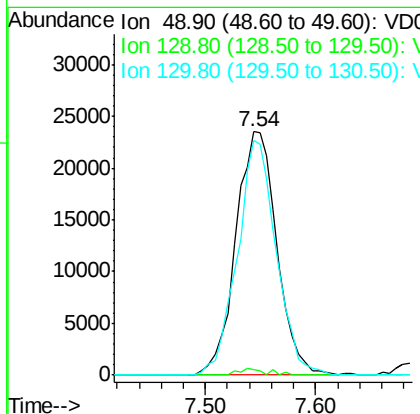
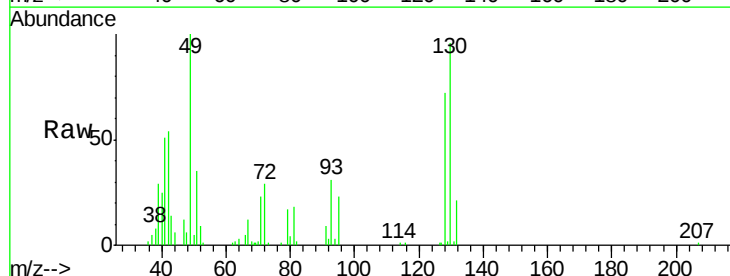
MMDadoda
10/1/2020 2:41:48 PM

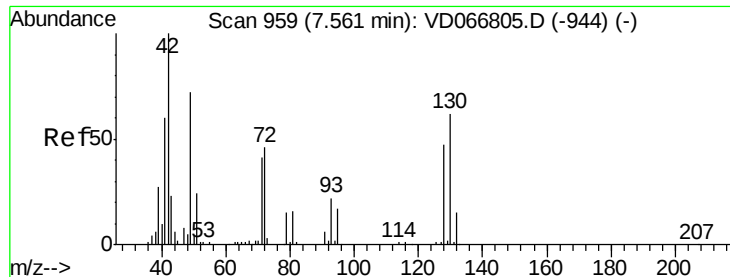


#28

Bromochloromethane
Concen: 18.255 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	61193		
129	1.3		0.0	2.0
130	91.7		65.9	98.9





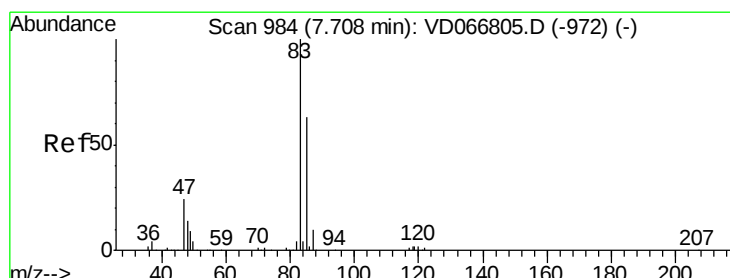
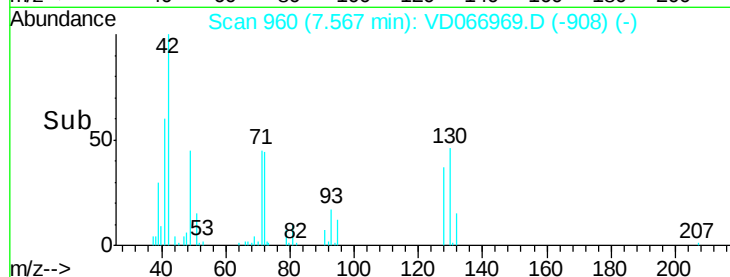
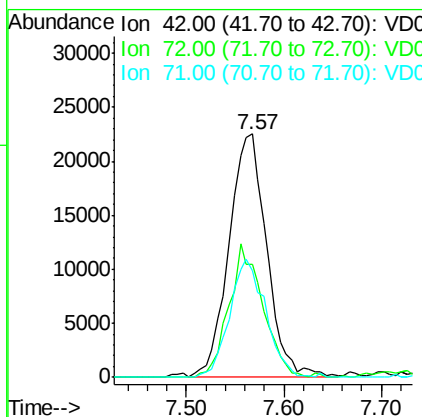
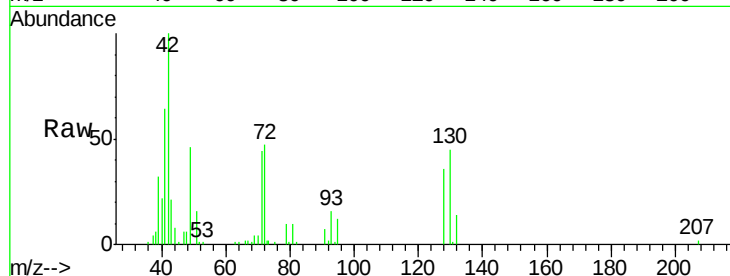
#29
Tetrahydrofuran
Concen: 92.558 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	36.2	54.4
71	46.2	32.4	48.6

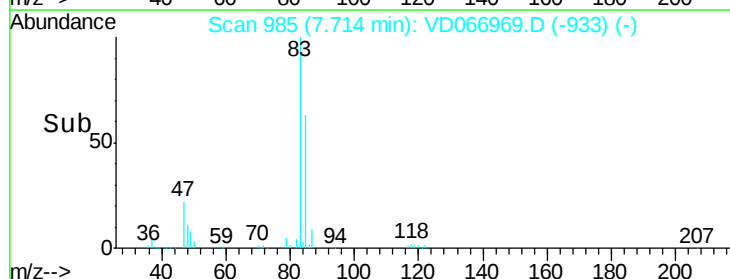
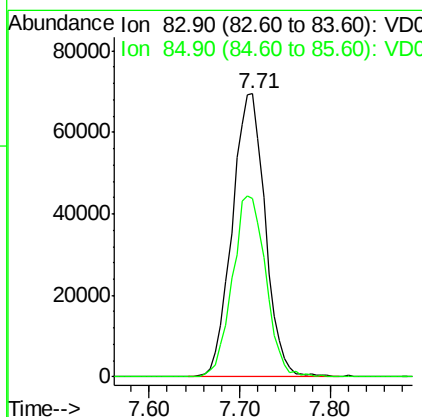
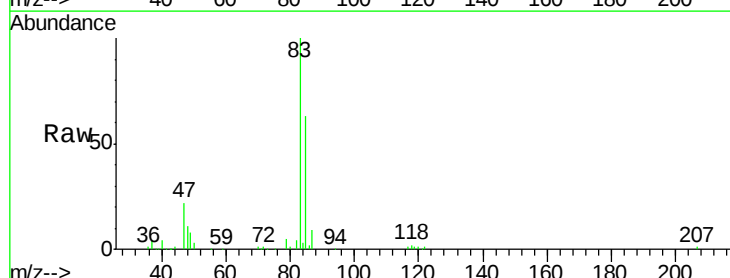
Manual Integrations
APPROVED

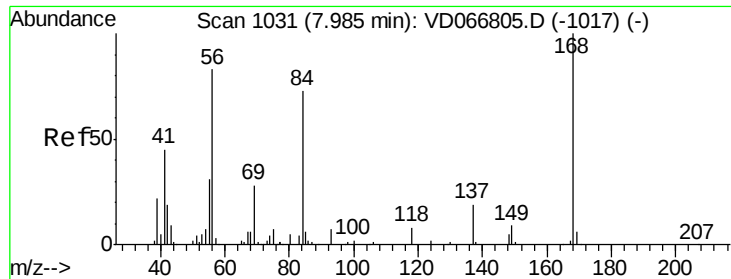
MMDadoda
10/1/2020 2:41:48 PM



#30
Chloroform
Concen: 20.114 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.6	75.8





#31

Cyclohexane

Concen: 19.177 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

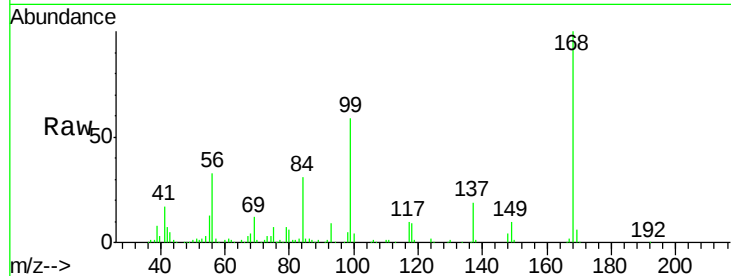
ClientSampleId :

VD0930SBS01

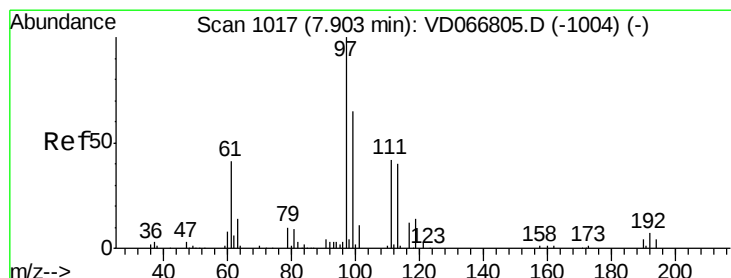
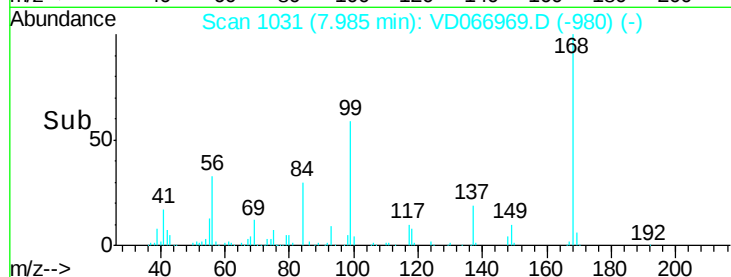
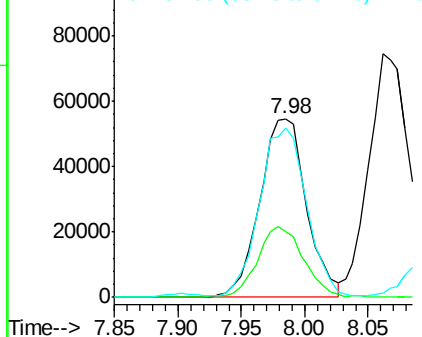
Tot Ion:	56	Resp:	140016
Ion Ratio		Lower	Upper
56	100		
69	36.9	27.0	40.4
84	93.1	70.2	105.4

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.028 ug/l

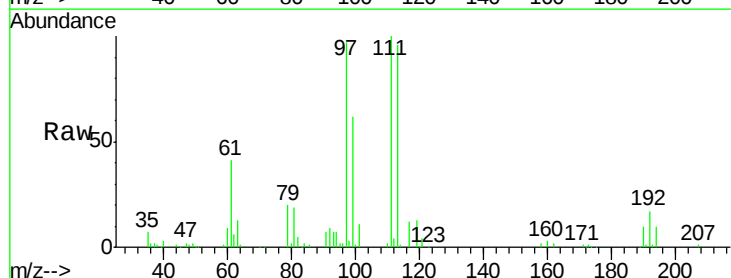
RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

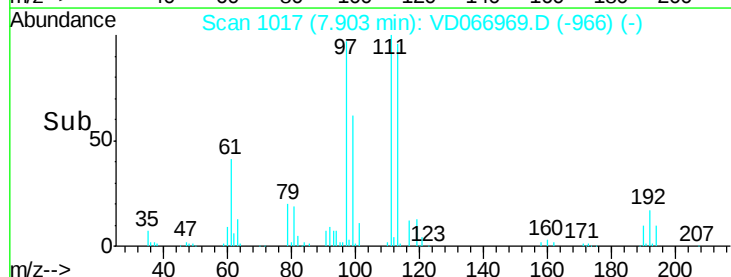
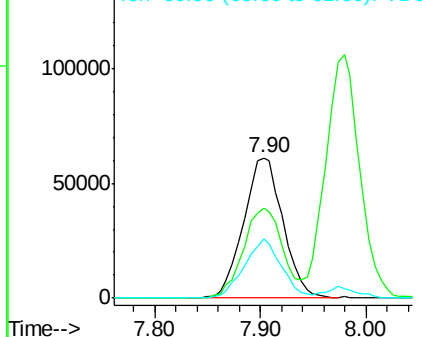
Lab File: VD066969.D

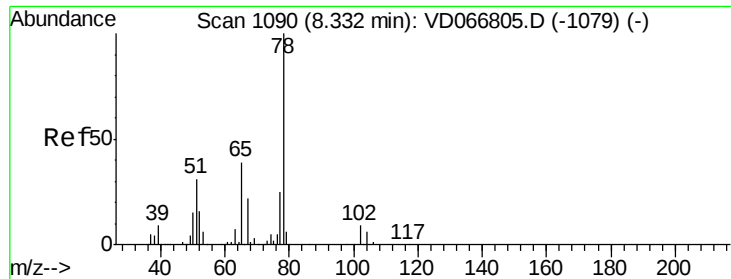
Acq: 30 Sep 2020 13:08

Tgt Ion:	97	Resp:	158467
Ion Ratio		Lower	Upper
97	100		
99	64.4	51.5	77.3
61	39.9	34.2	51.4



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 44.777 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 65 Resp: 179800

Ion Ratio Lower Upper

65 100

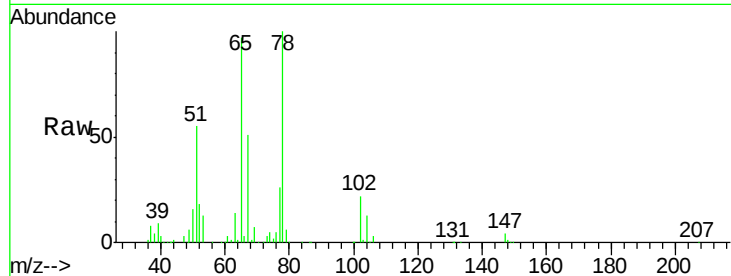
67 52.9 0.0 107.2

Manual Integrations

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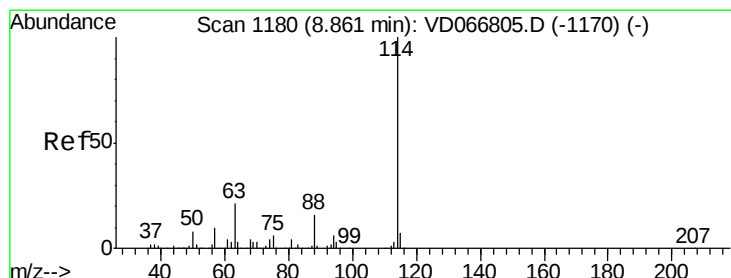
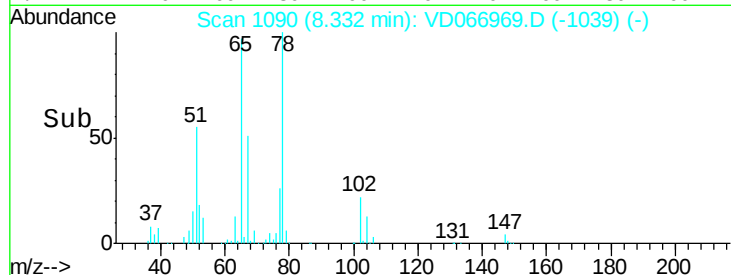
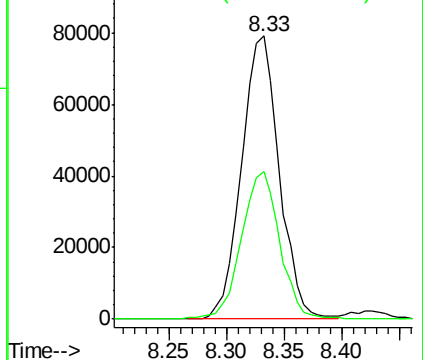
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

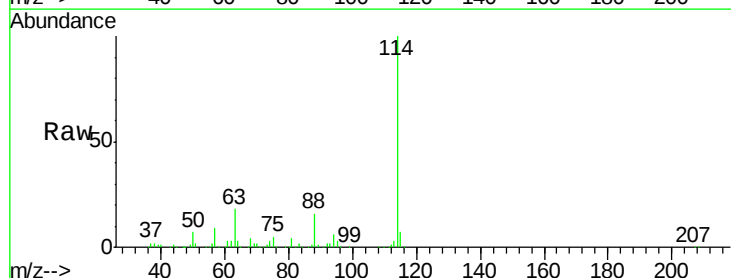
Tgt Ion: 114 Resp: 641159

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.6

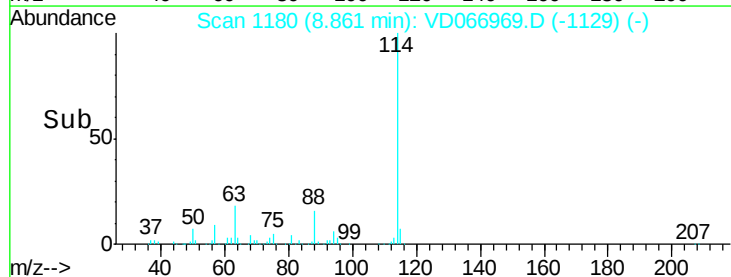
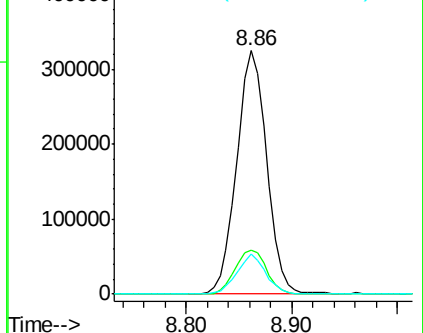
88 16.3 0.0 32.6

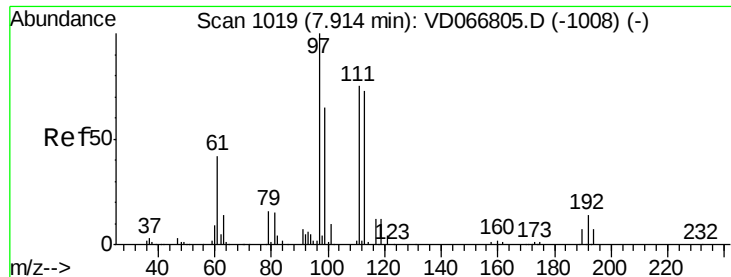


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





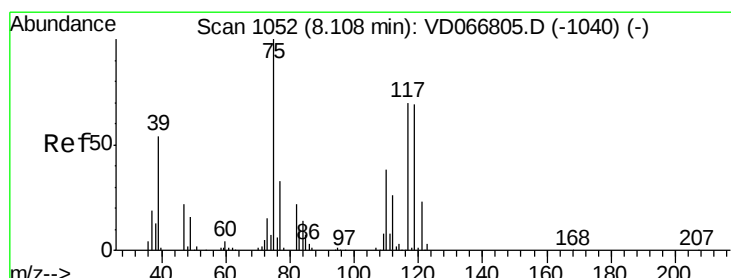
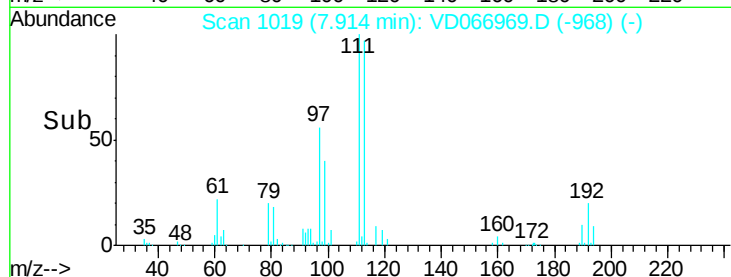
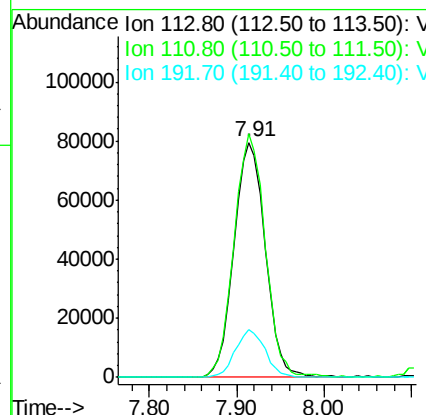
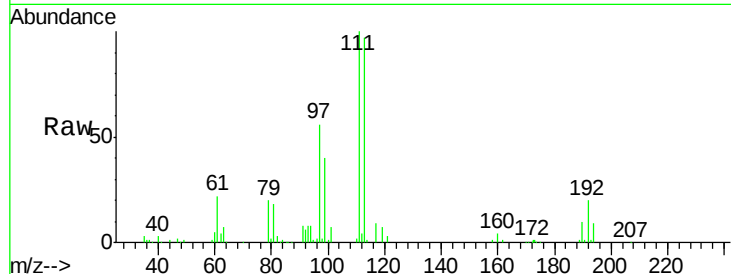
#35
 Dibromofluoromethane
 Concen: 47.410 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193388		
111	102.0	81.8	122.8	
192	19.3	14.4	21.6	

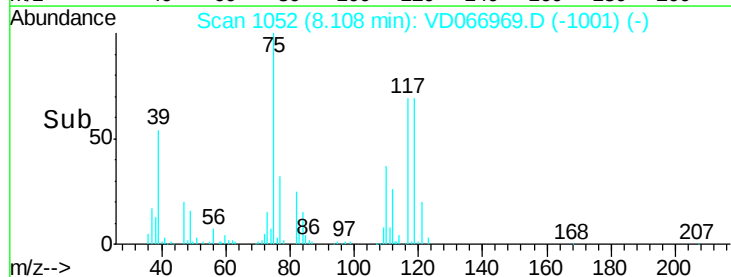
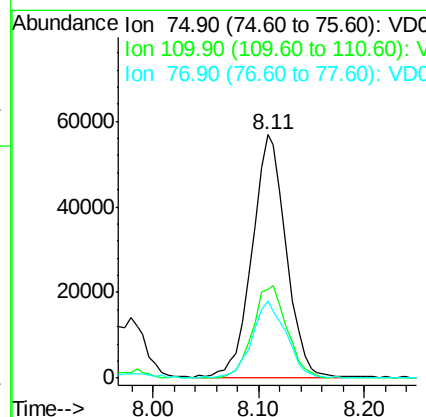
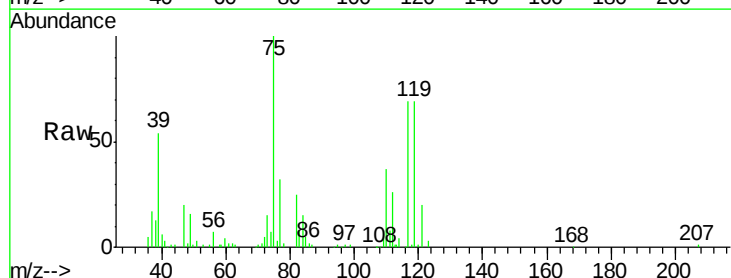
Manual Integrations
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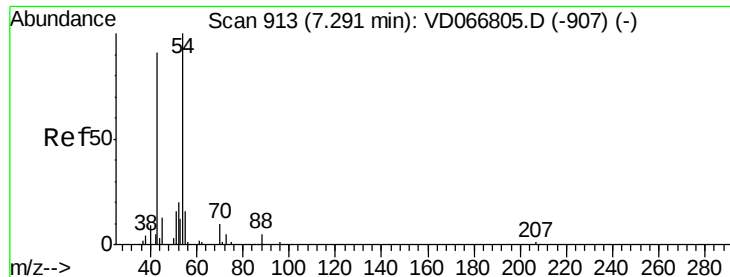
MMDadoda
 10/1/2020 2:41:48 PM



#36
 1,1-Dichloropropene
 Concen: 19.931 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126779		
110	38.6	17.9	53.8	
77	31.9	25.0	37.6	





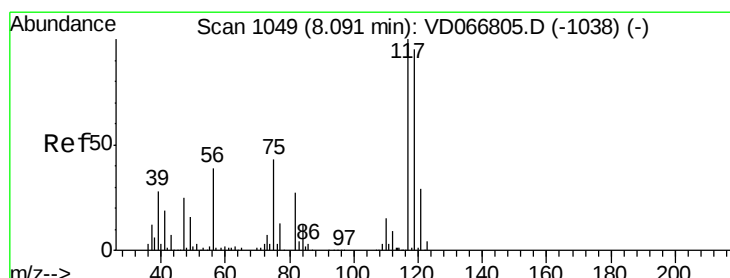
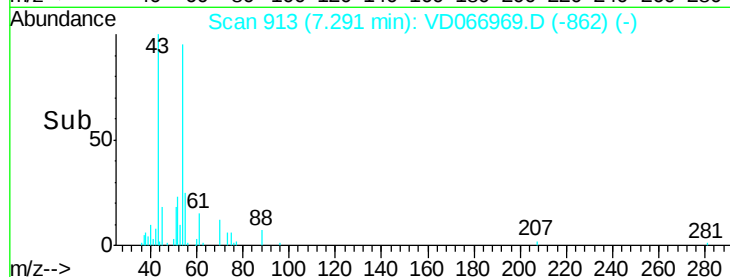
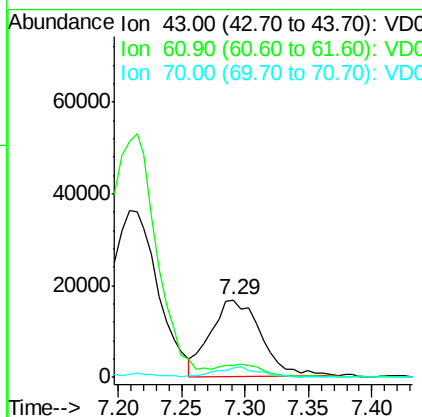
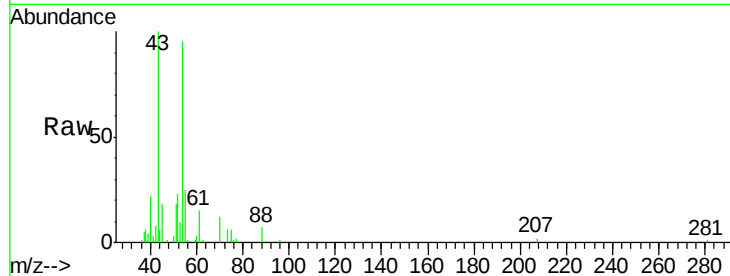
#37
Ethyl Acetate
Concen: 20.242 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	9.8	14.8
70	11.4	8.5	12.7

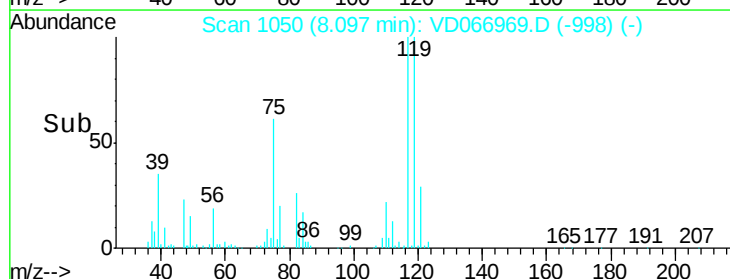
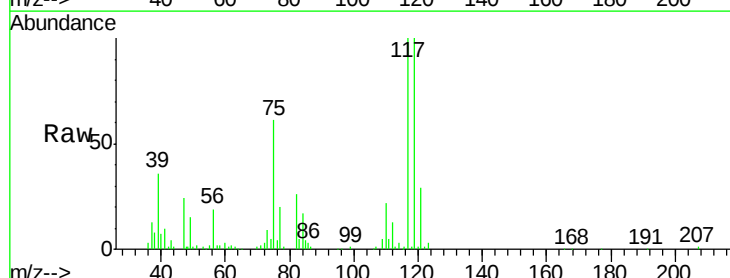
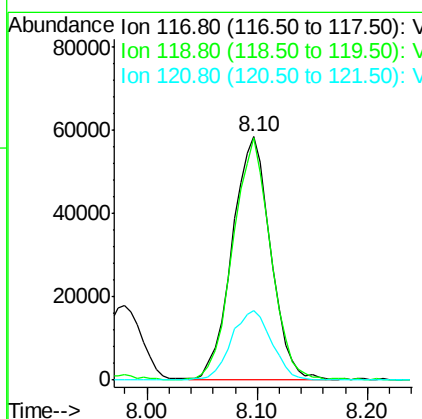
Manual Integrations
APPROVED

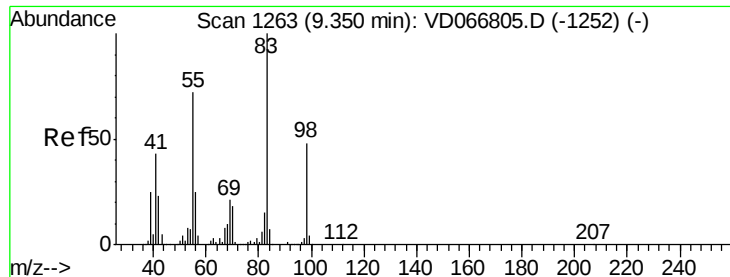
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#38
Carbon Tetrachloride
Concen: 20.422 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	75.8	113.8
121	28.8	23.4	35.0





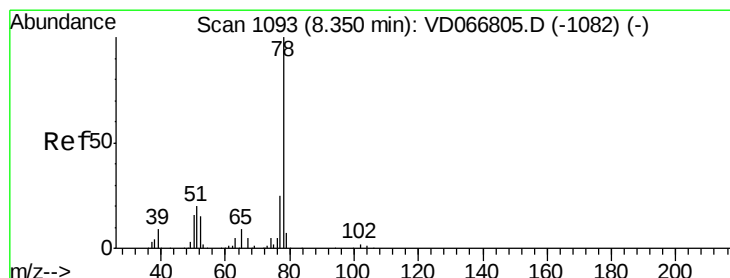
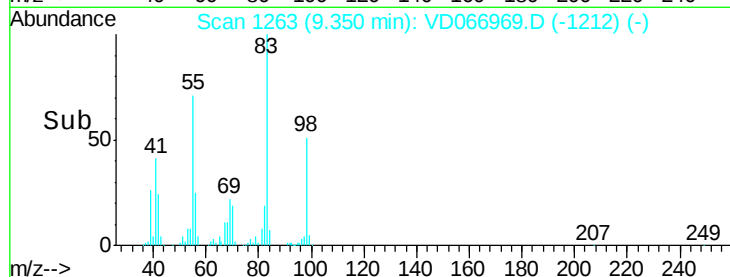
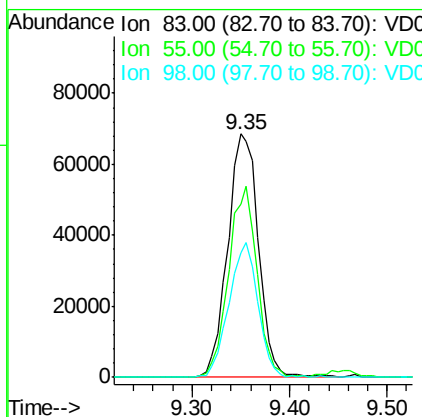
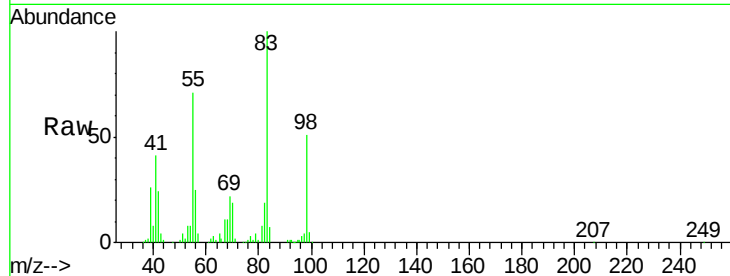
#39
Methvlcvclohexane
Concen: 20.536 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.7	86.5
98	50.9	38.4	57.6

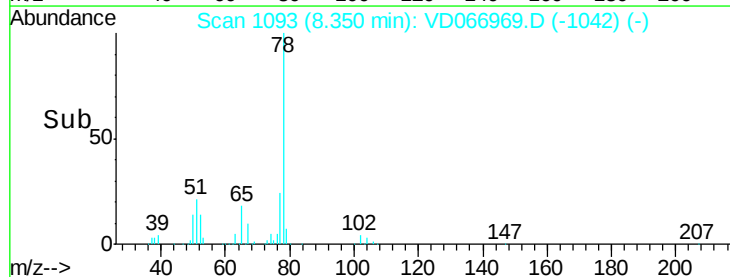
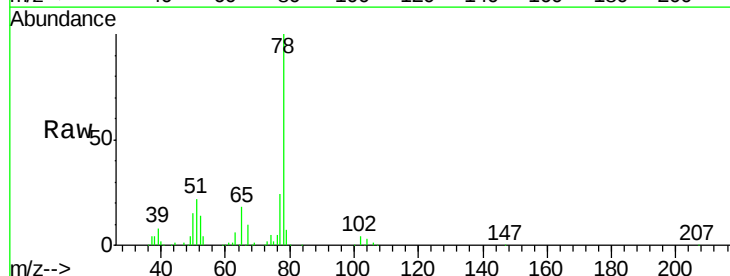
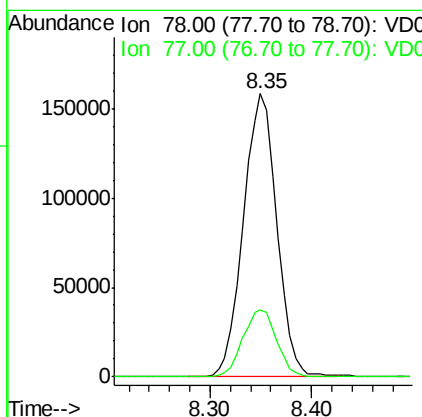
Manual Integrations
APPROVED

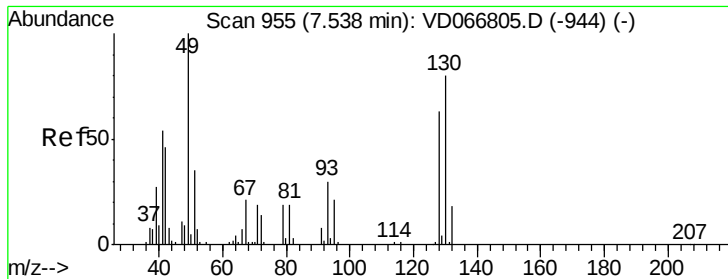
MMDadoda
10/1/2020 2:41:48 PM



#40
Benzene
Concen: 20.463 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.9	29.9





#41

Methacrylonitrile

Concen: 16.014 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 41 Resp: 22646

Ion Ratio Lower Upper

41 100

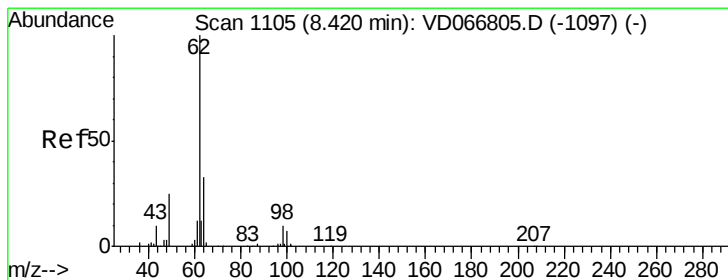
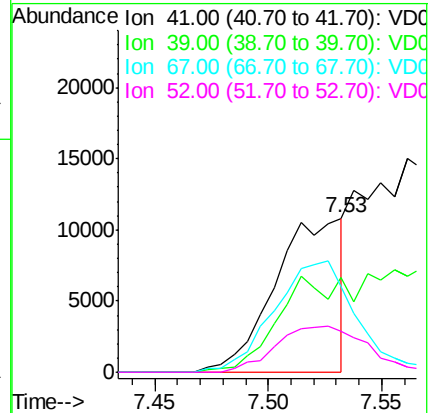
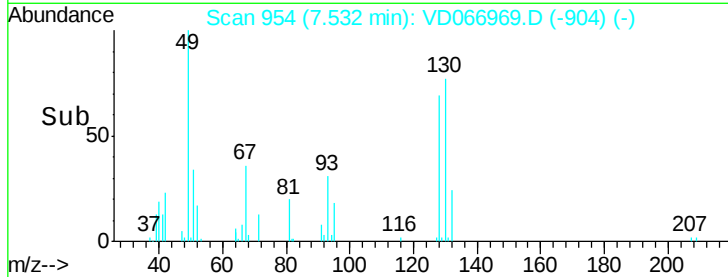
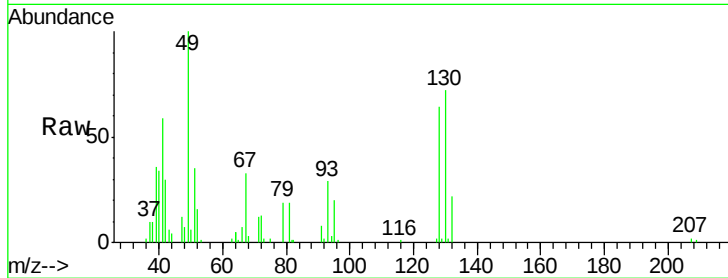
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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10/1/2020 2:41:48 PM



#42

1,2-Dichloroethane

Concen: 20.019 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066969.D

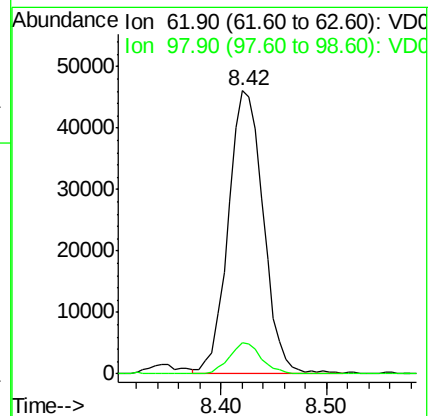
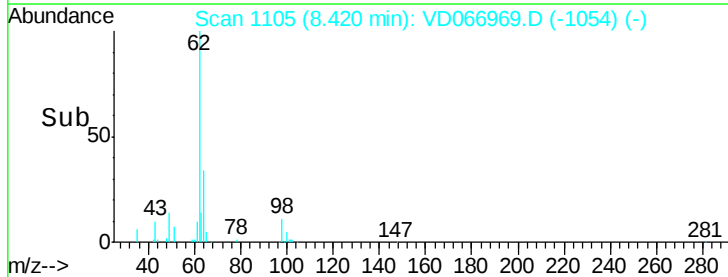
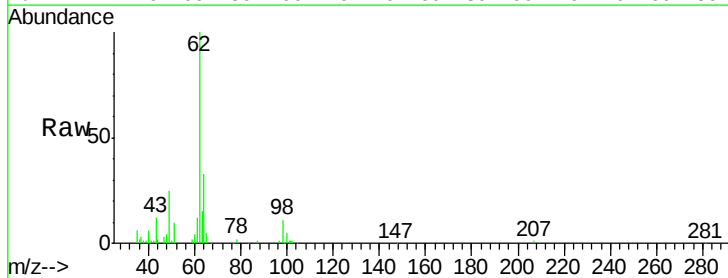
Acq: 30 Sep 2020 13:08

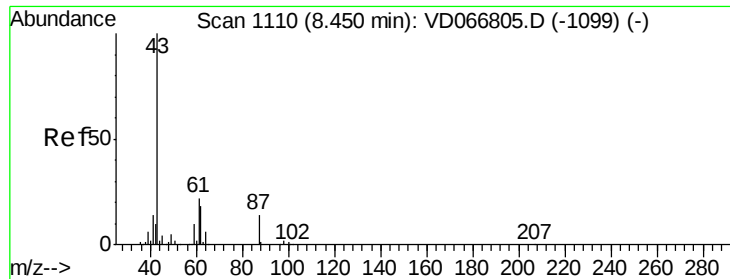
Tgt Ion: 62 Resp: 104915

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 19.382 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

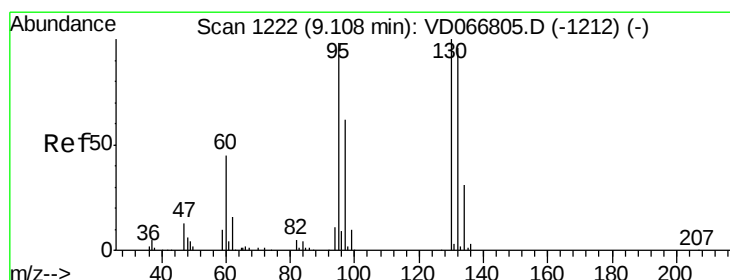
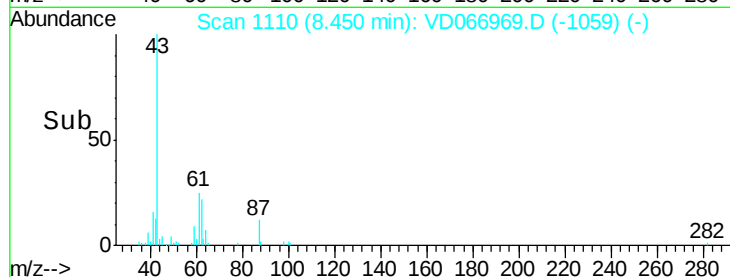
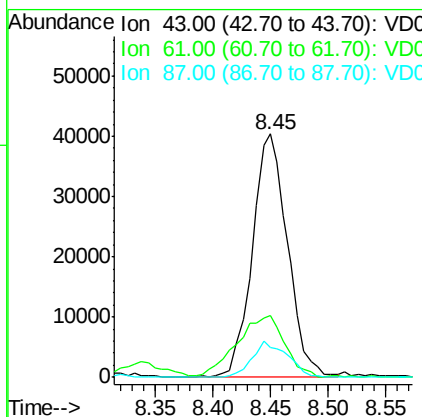
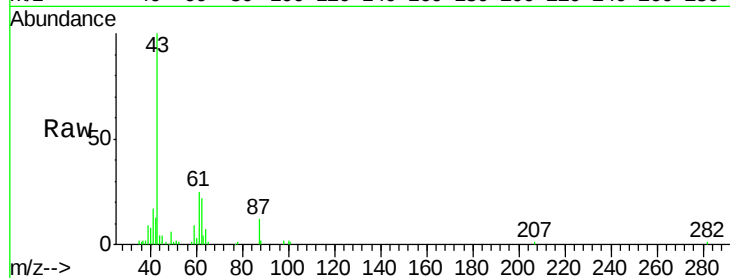
ClientSampleId :

VD0930SBS01

Tot Ion:	43	Resp:	85928
Ion	Ratio	Lower	Upper
43	100		
61	34.5	26.2	39.4
87	14.8	11.5	17.3

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#44

Trichloroethene

Concen: 21.548 ug/l

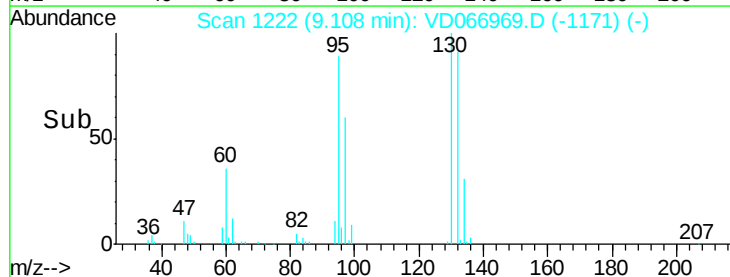
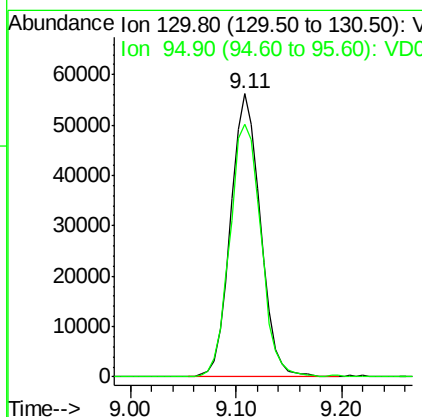
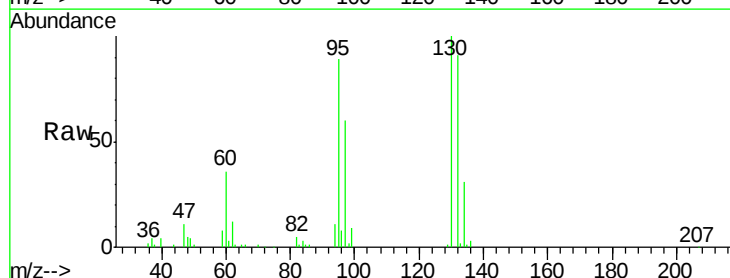
RT: 9.11 min Scan# 1222

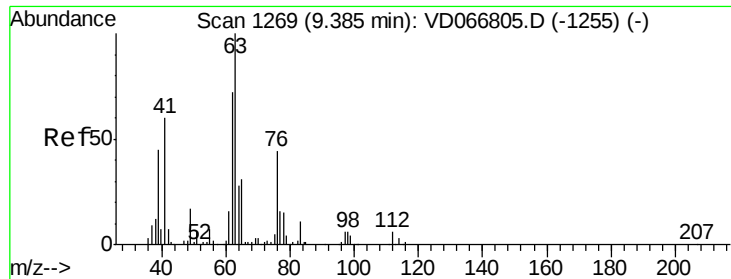
Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion:	130	Resp:	108880
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.488 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 63 Resp: 91382

Ion Ratio Lower Upper

63 100

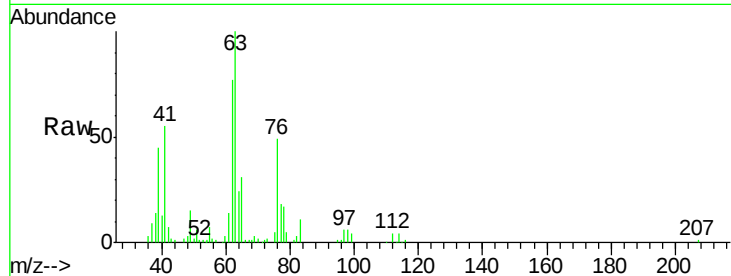
65 31.3 24.7 37.1

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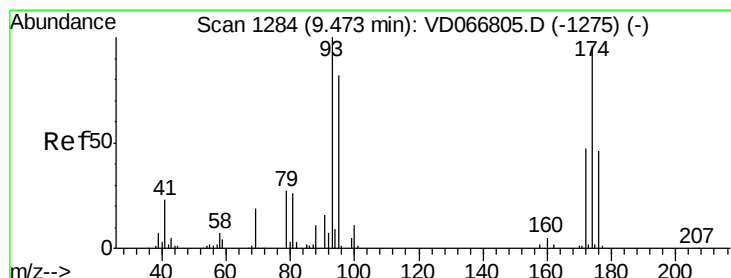
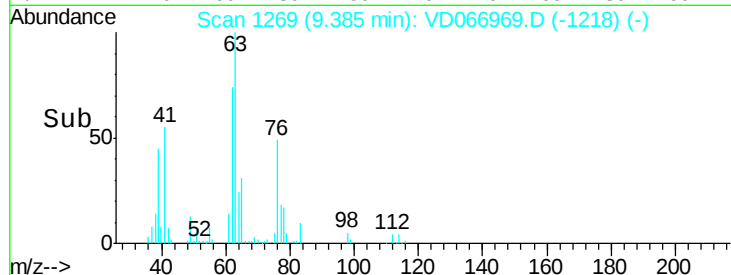
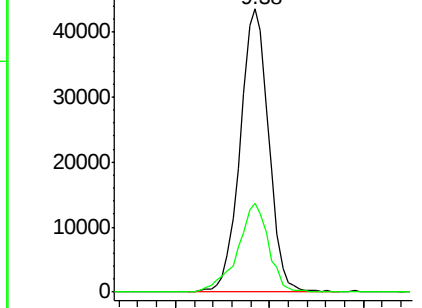
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.594 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

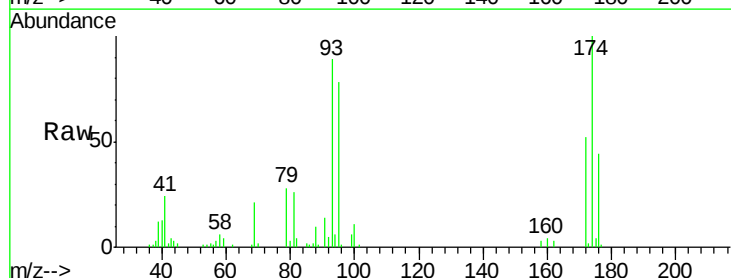
Tgt Ion: 93 Resp: 49908

Ion Ratio Lower Upper

93 100

95 85.4 65.3 97.9

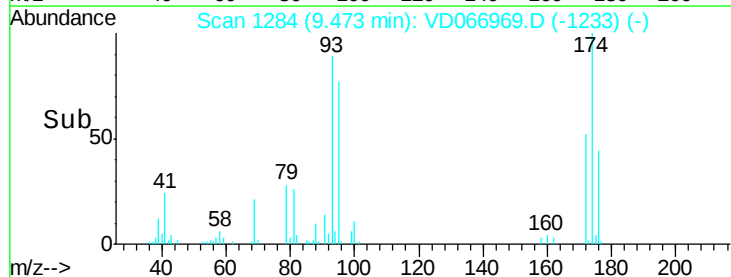
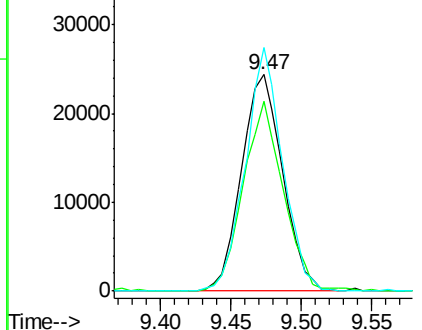
174 101.8 75.4 113.2

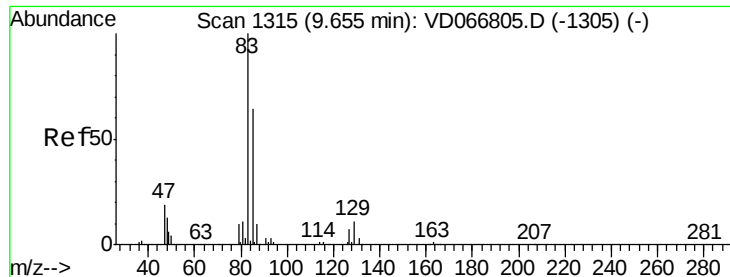


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.436 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 83 Resp: 133038

Ion Ratio Lower Upper

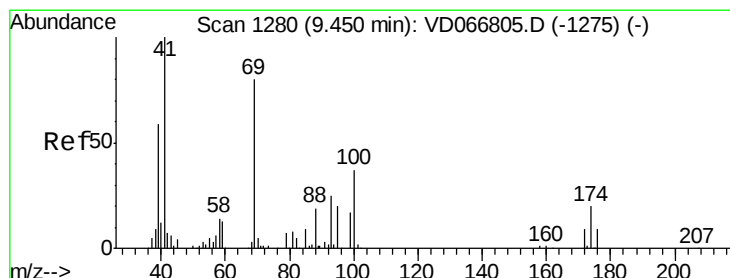
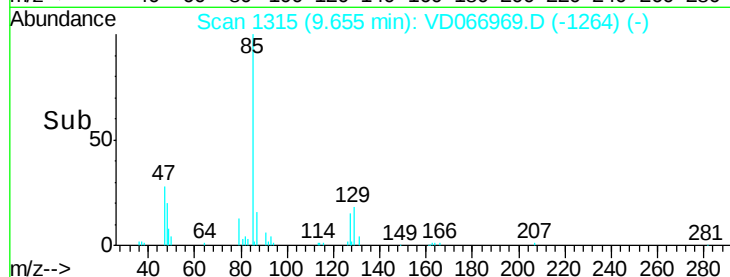
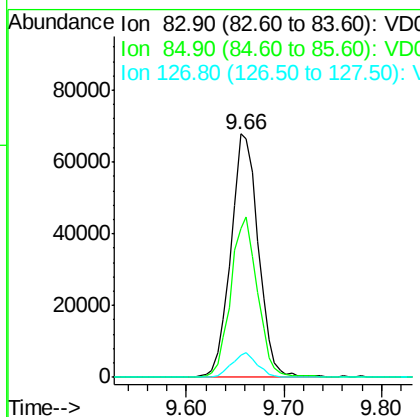
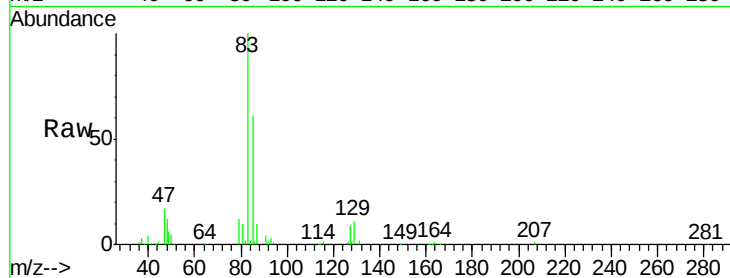
83 100

85 60.9 50.9 76.3

127 9.0 5.9 8.9#

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#48

Methyl methacrylate

Concen: 20.720 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

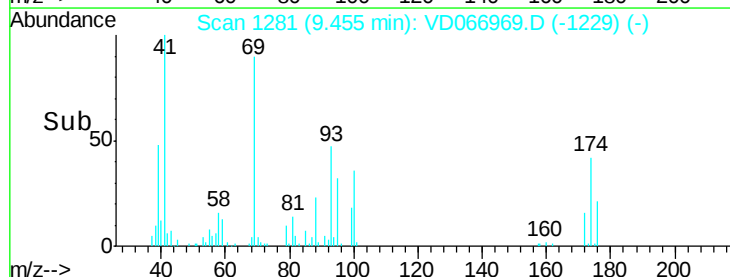
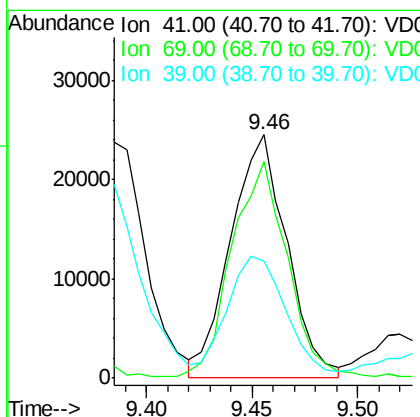
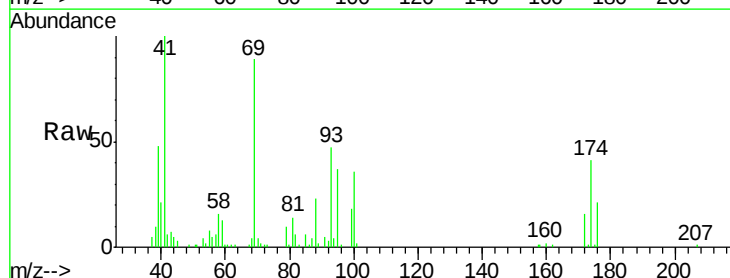
Tgt Ion: 41 Resp: 45289

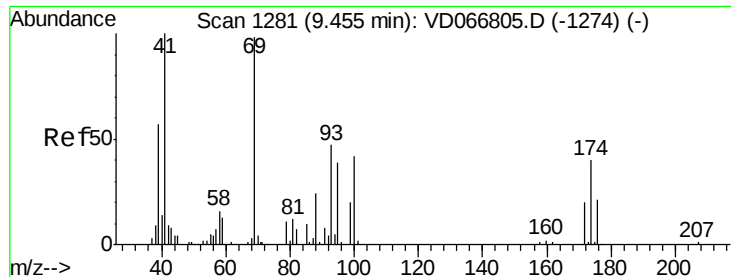
Ion Ratio Lower Upper

41 100

69 89.2 74.5 111.7

39 47.1 47.0 70.6





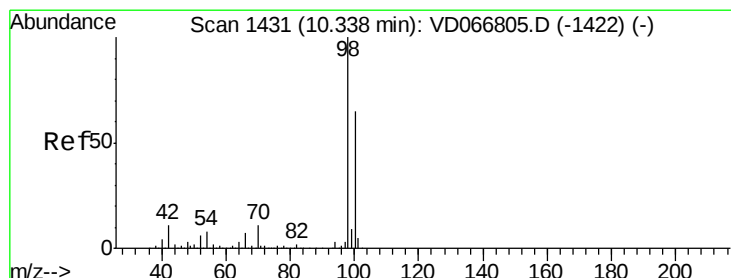
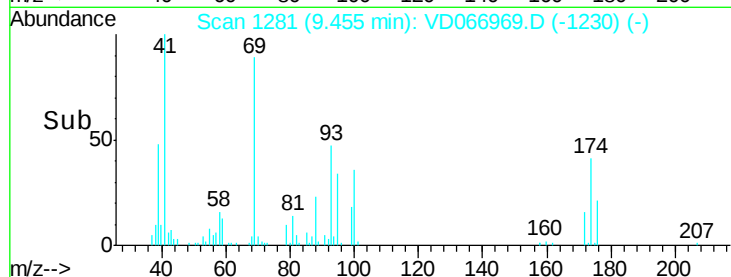
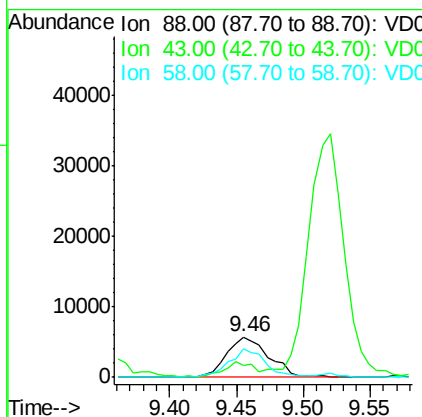
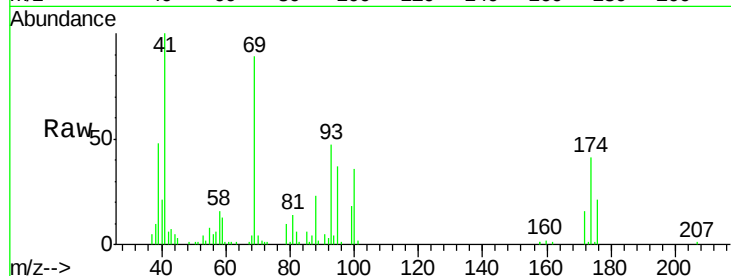
#49
1,4-Dioxane
Concen: 394.037 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	27.7	41.5
58	60.5	55.5	83.3

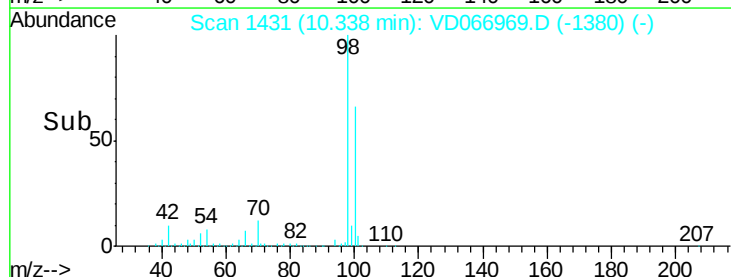
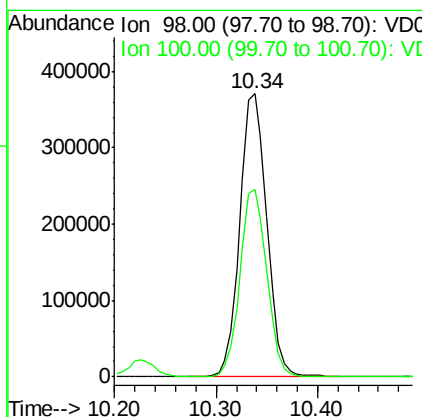
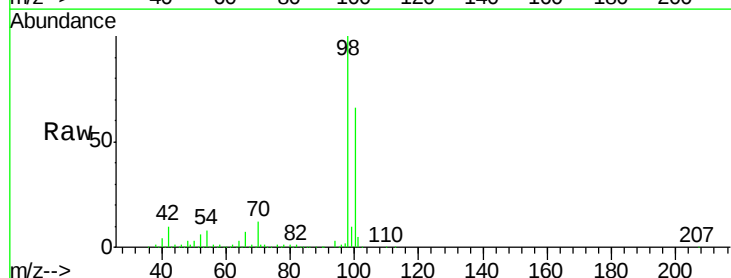
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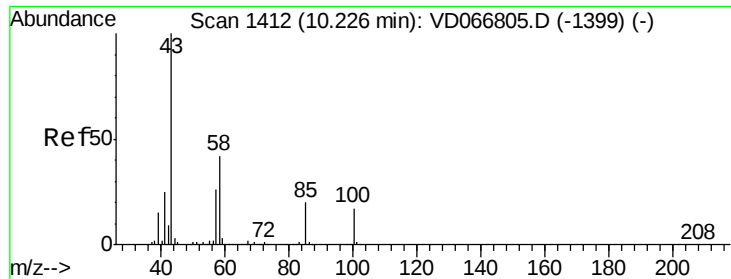
MMDadoda
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#50
Toluene-d8
Concen: 49.278 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 98.582 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 43 Resp: 221451

Ion Ratio Lower Upper

43 100

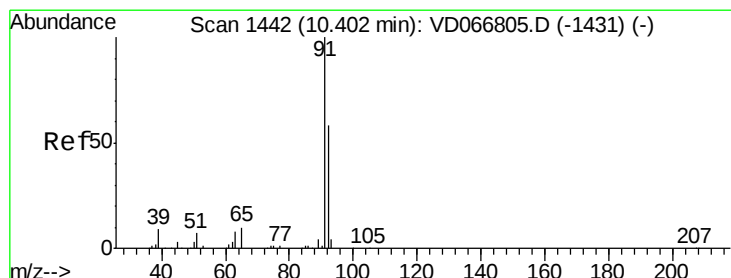
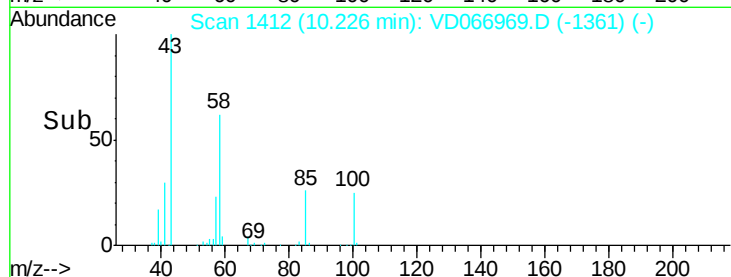
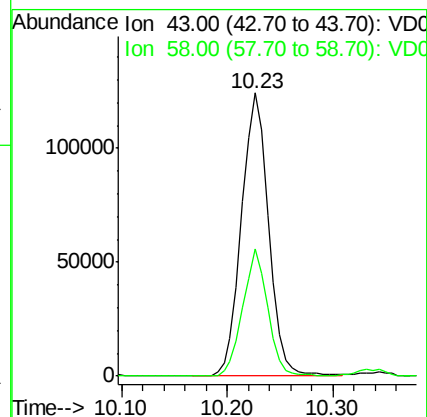
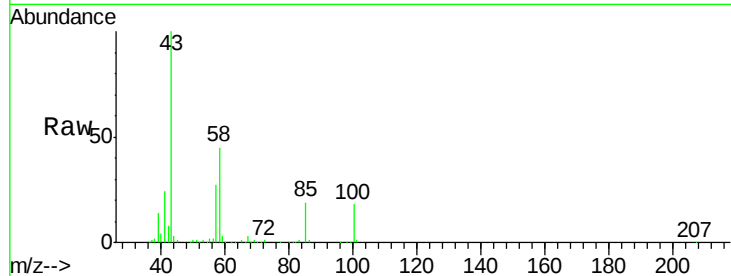
58 41.3 32.2 48.4

Manual Integrations

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10/1/2020 2:41:48 PM



#52

Toluene

Concen: 21.089 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066969.D

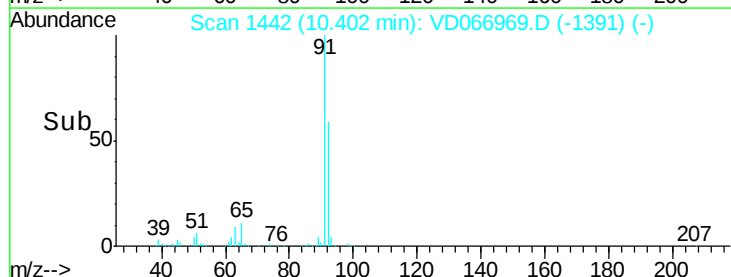
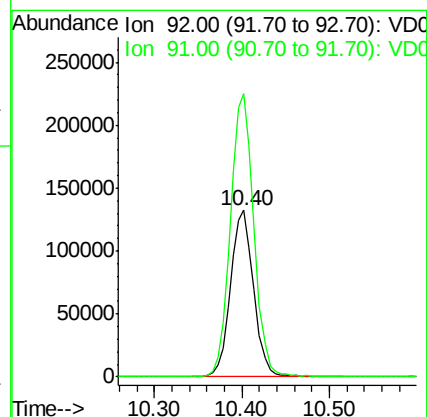
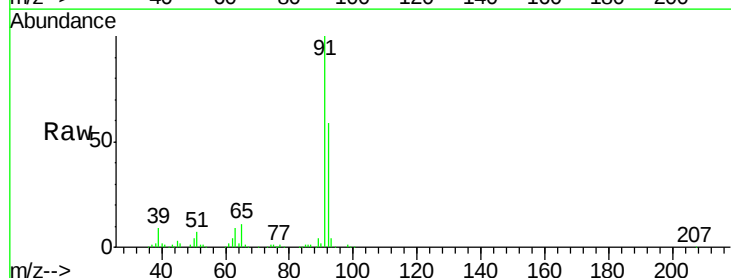
Acq: 30 Sep 2020 13:08

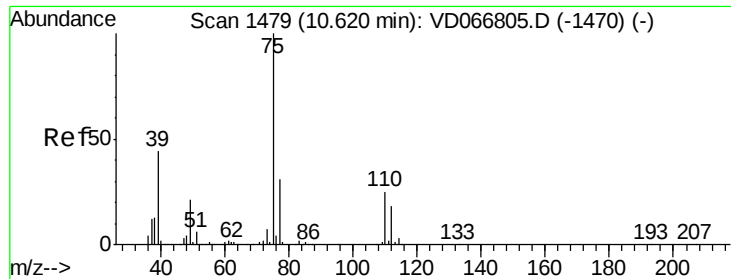
Tgt Ion: 92 Resp: 240807

Ion Ratio Lower Upper

92 100

91 171.7 134.6 202.0





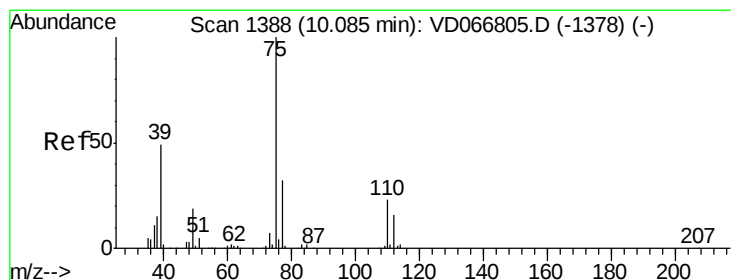
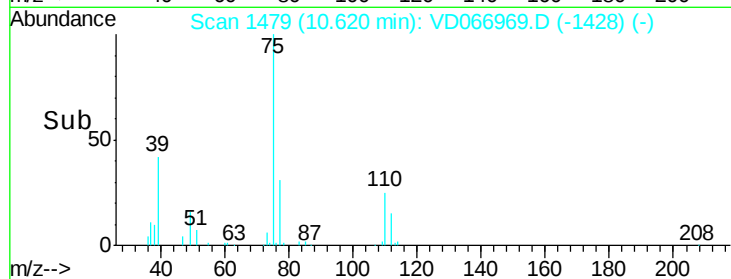
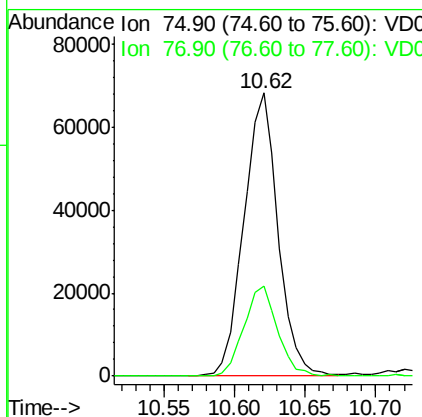
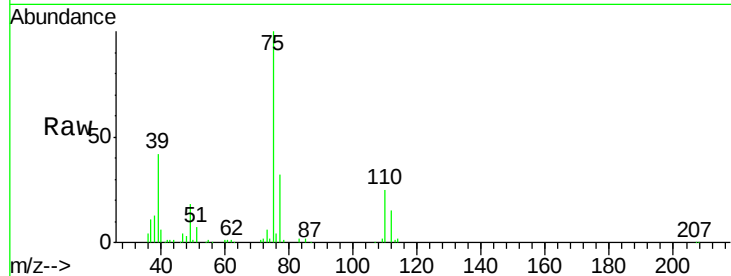
#53
 t-1,3-Dichloropropene
 Concen: 20.889 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion: 75 Resp: 115741
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.5 36.7

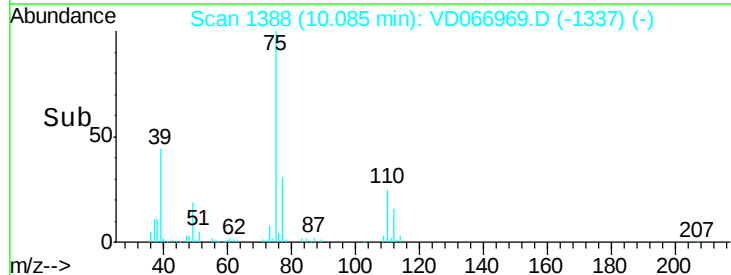
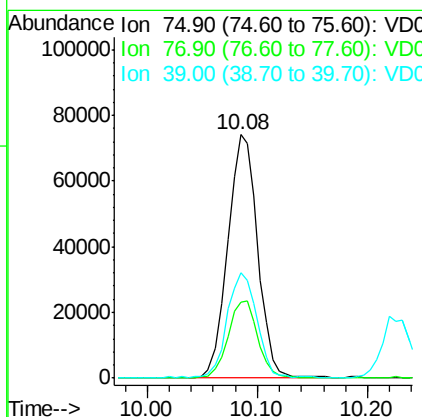
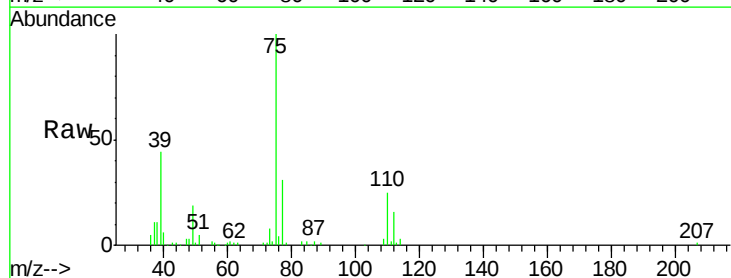
Manual Integrations
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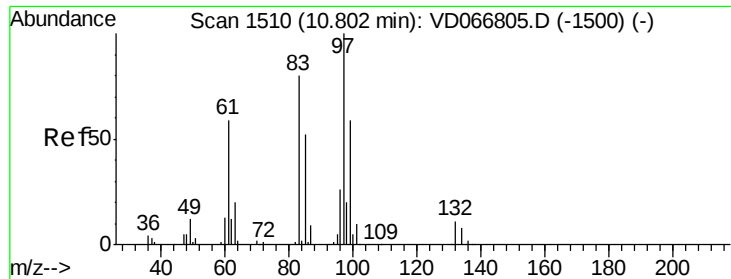
MMDadoda
 10/1/2020 2:41:48 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.807 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion: 75 Resp: 140576
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.6 38.4
 39 43.1 39.2 58.8





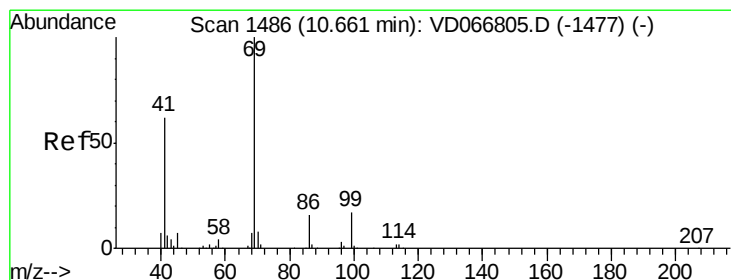
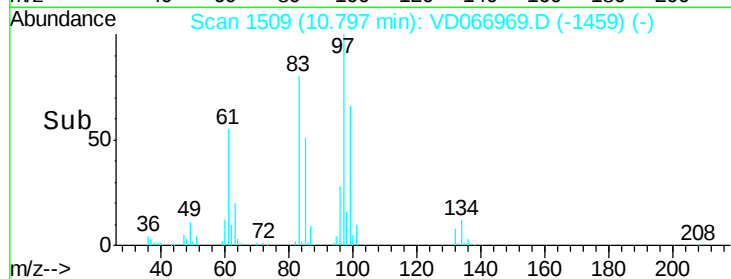
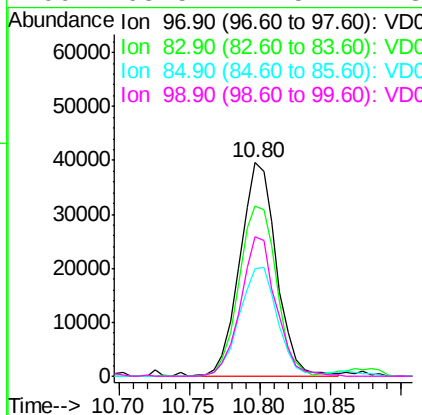
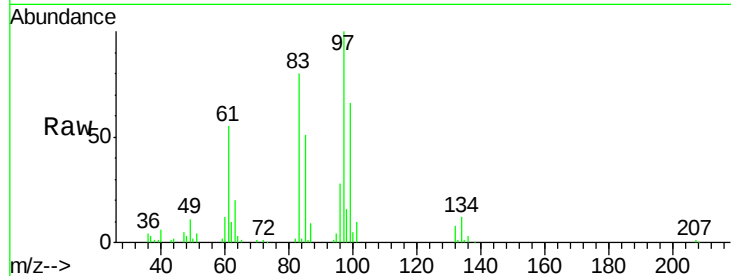
#55
 1,1,2-Trichloroethane
 Concen: 21.586 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion:	97	Resp:	71912
Ion	Ratio	Lower	Upper
97	100		
83	79.6	64.2	96.2
85	50.6	41.9	62.9
99	65.5	47.5	71.3

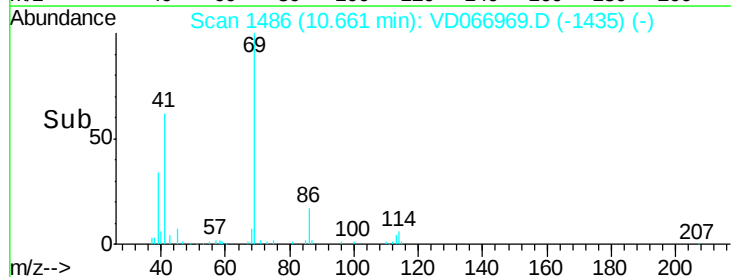
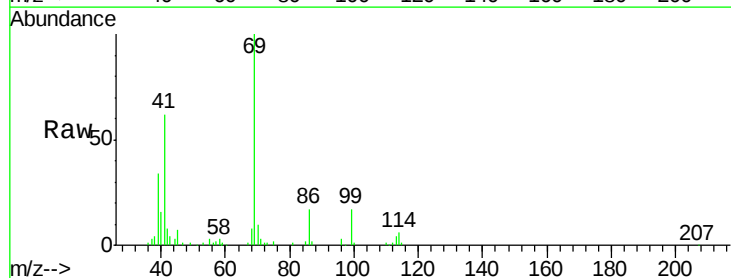
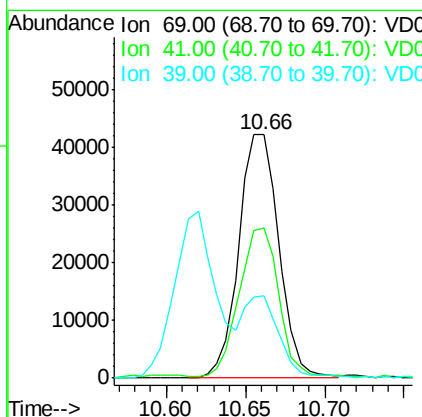
Manual Integrations
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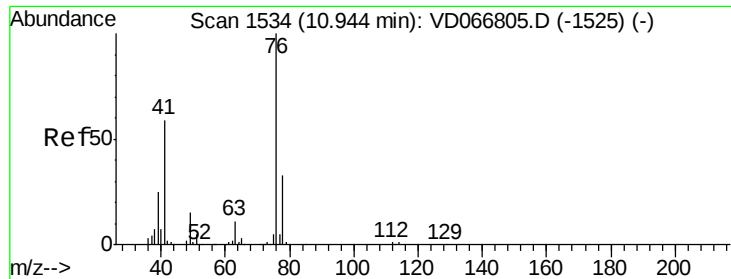
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 10/1/2020 2:41:48 PM



#56
 Ethyl methacrylate
 Concen: 20.852 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion:	69	Resp:	74419
Ion	Ratio	Lower	Upper
69	100		
41	62.4	52.2	78.2
39	30.1	26.6	40.0





#57

1,3-Dichloropropane

Concen: 21.093 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 76 Resp: 116034

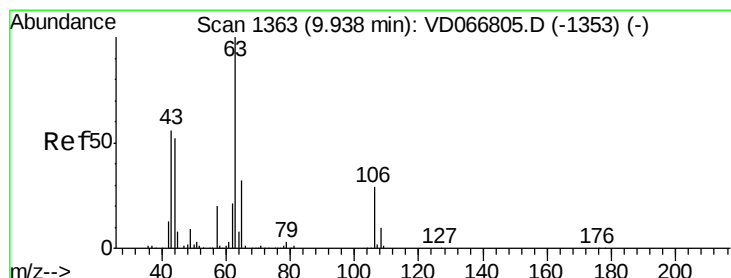
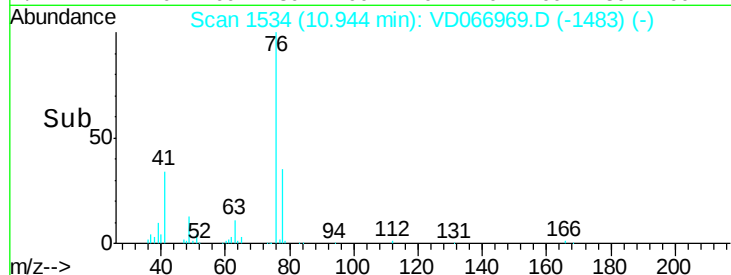
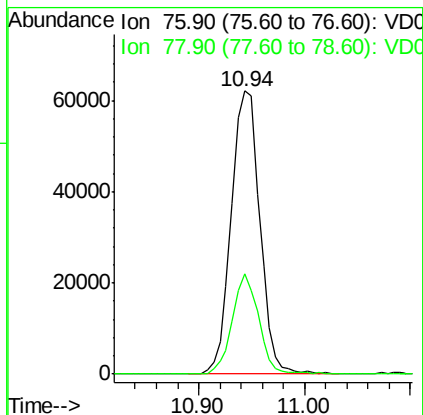
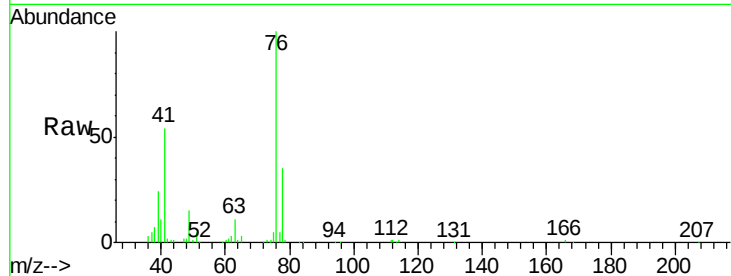
Ion Ratio Lower Upper

76 100

78 32.6 26.3 39.5

Manual Integrations
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MMDadoda
10/1/2020 2:41:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 122.066 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066969.D

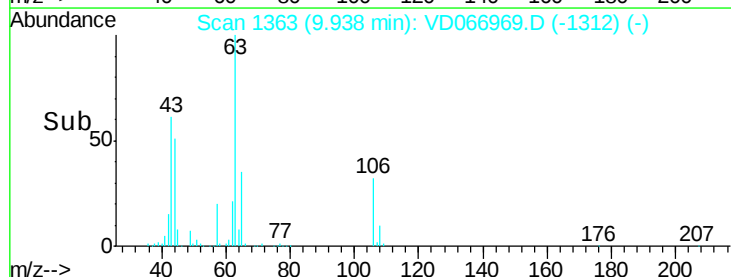
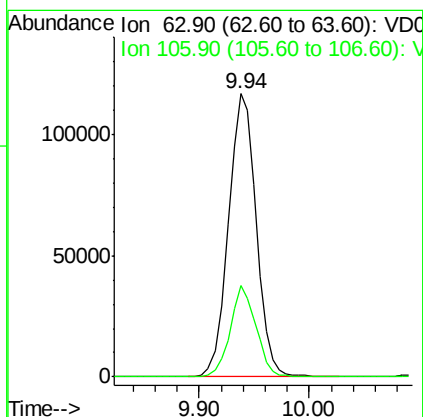
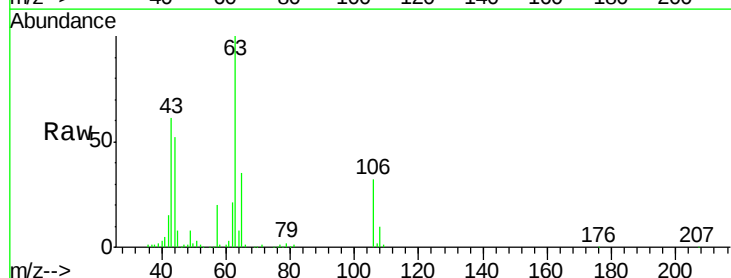
Acq: 30 Sep 2020 13:08

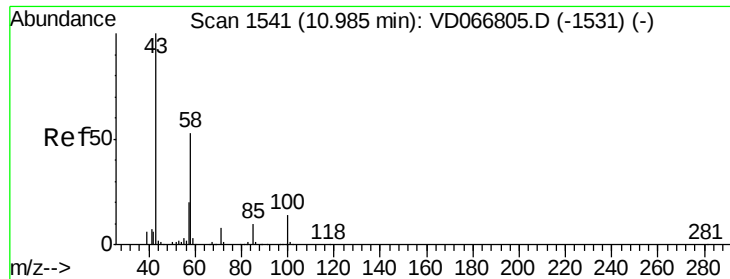
Tgt Ion: 63 Resp: 206274

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.6





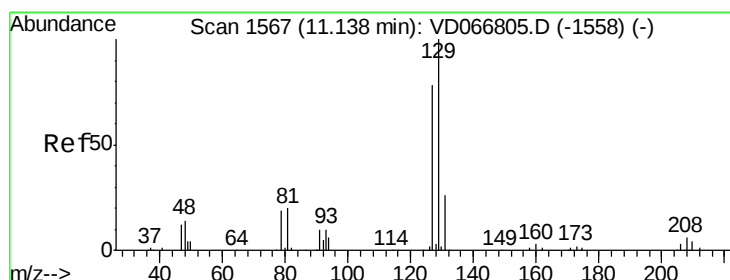
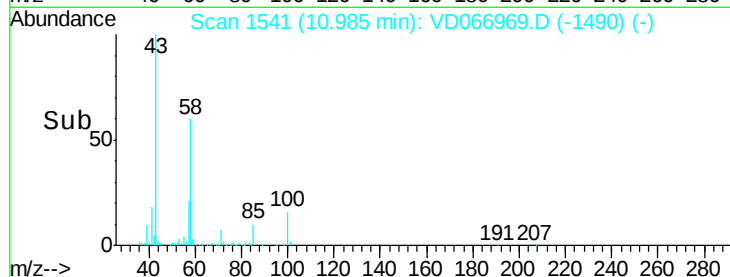
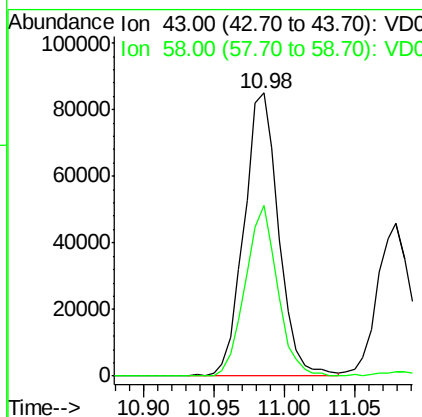
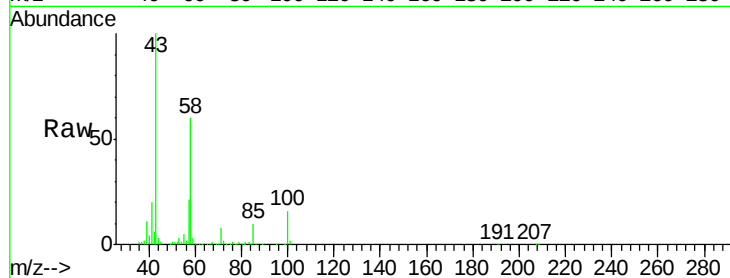
#59
2-Hexanone
Concen: 96.682 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion: 43 Resp: 146463
Ion Ratio Lower Upper
43 100
58 56.0 27.0 80.8

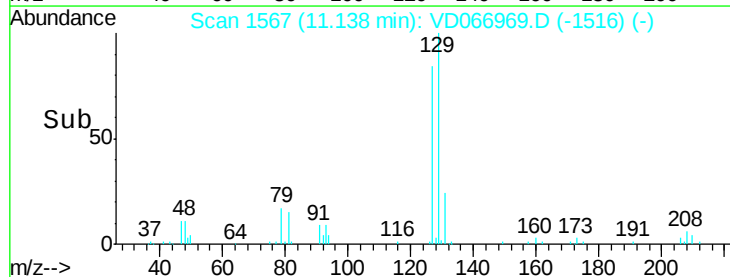
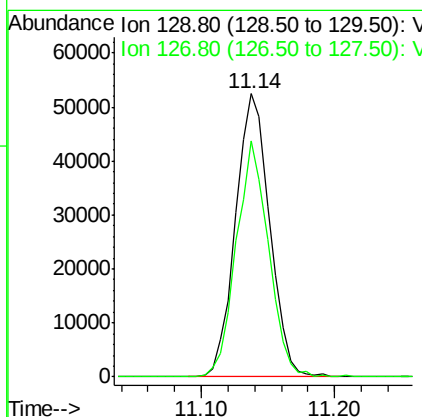
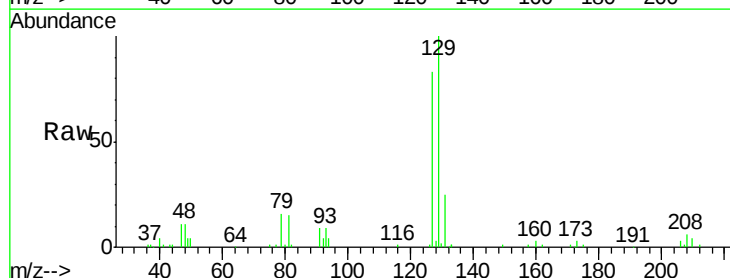
Manual Integrations
APPROVED

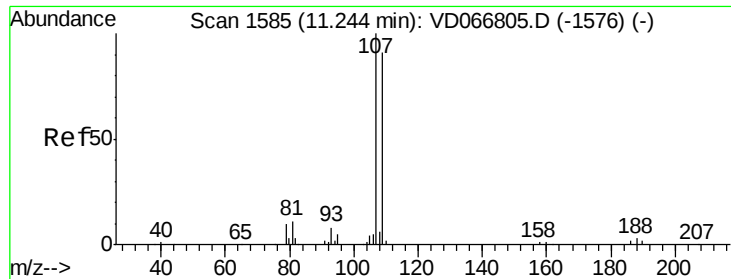
MMDadoda
10/1/2020 2:41:48 PM



#60
Dibromochloromethane
Concen: 21.355 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 129 Resp: 92849
Ion Ratio Lower Upper
129 100
127 78.9 38.6 116.0





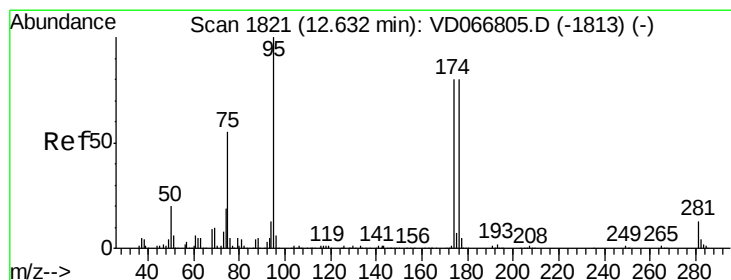
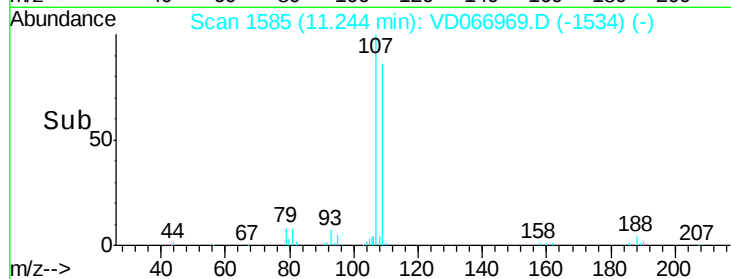
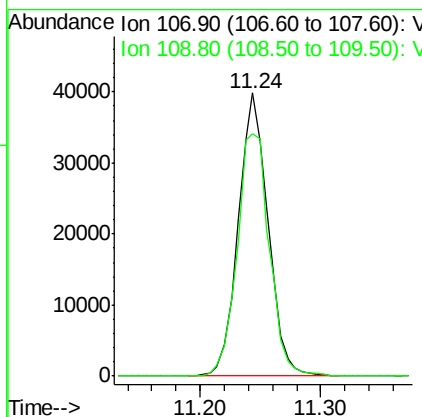
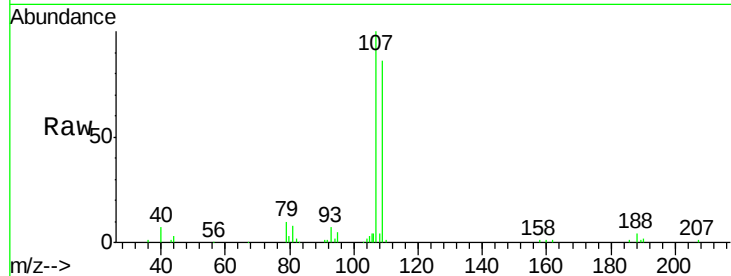
#61
 1,2-Dibromoethane
 Concen: 22.110 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.0	112.4

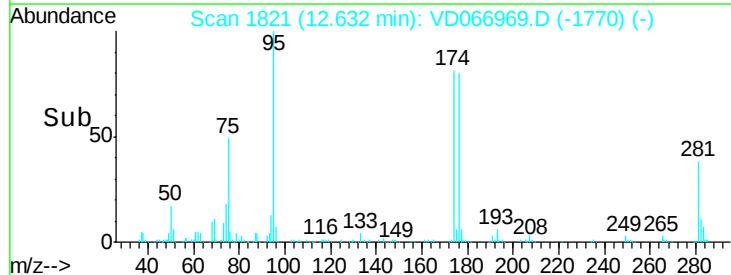
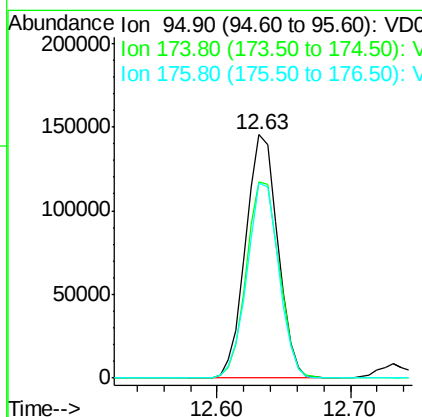
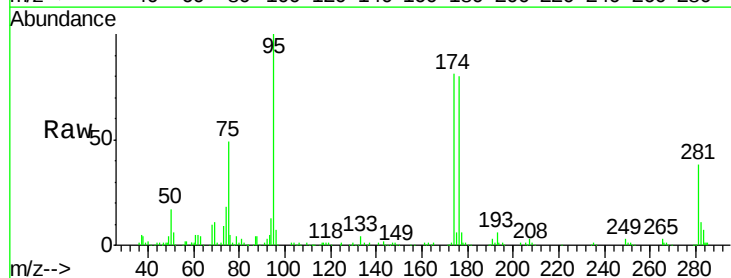
Manual Integrations
 APPROVED

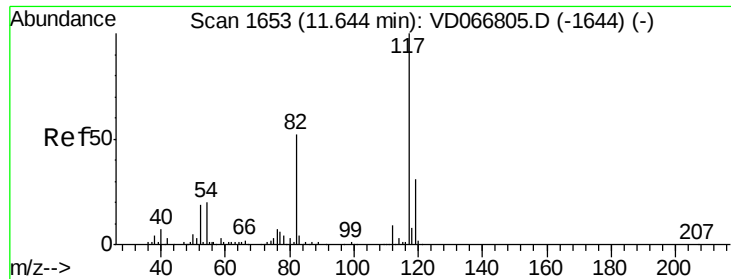
MMDadoda
 10/1/2020 2:41:48 PM



#62
 4-Bromofluorobenzene
 Concen: 50.870 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	159.8
176	79.0	0.0	154.4





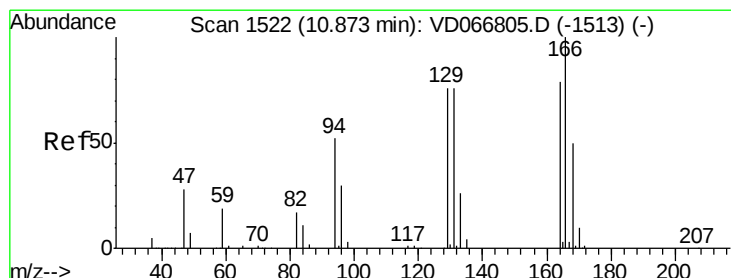
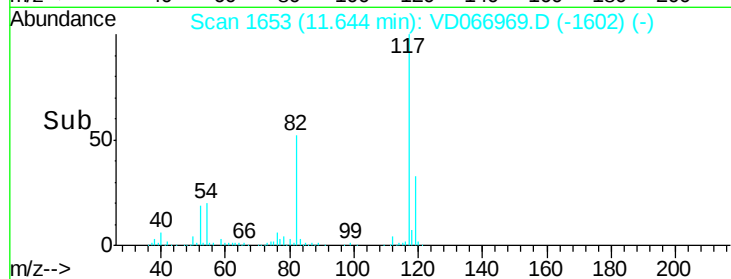
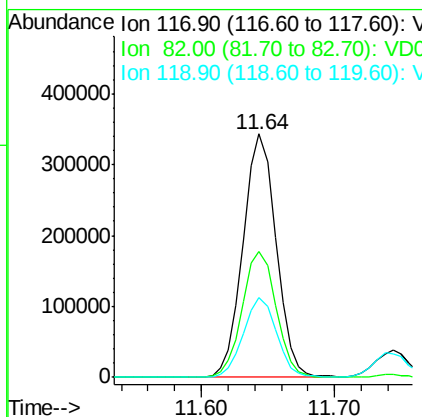
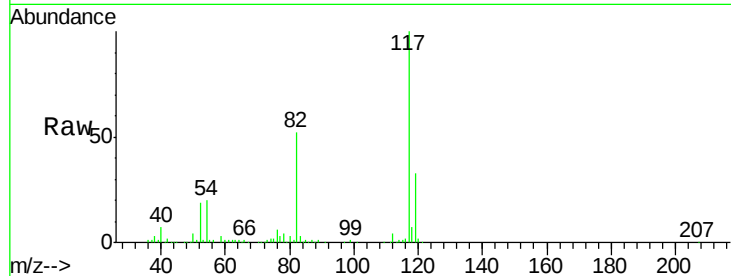
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	589032		
82	51.7		41.8	62.6
119	32.5		24.6	37.0

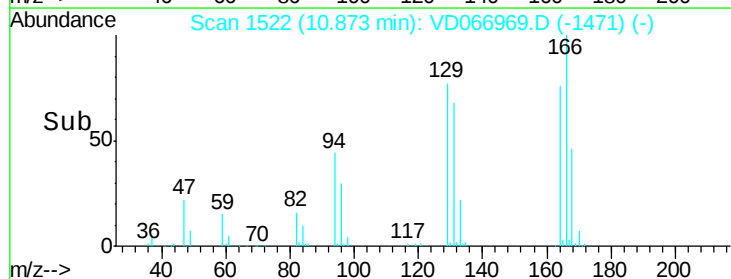
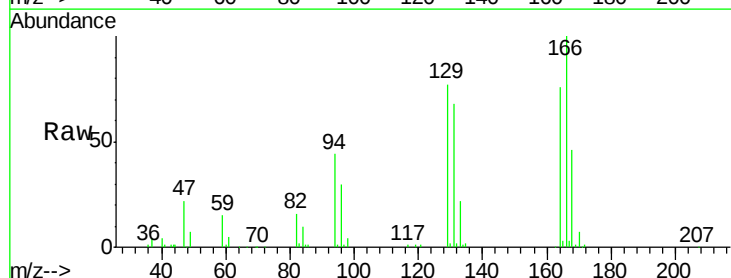
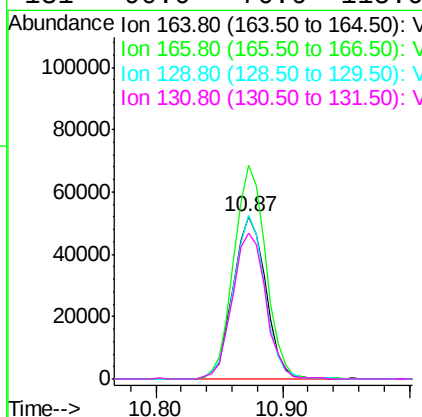
Manual Integrations
APPROVED

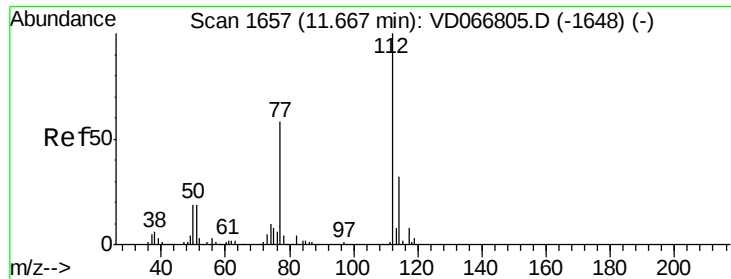
MMDadoda
10/1/2020 2:41:48 PM



#64
Tetrachloroethene
Concen: 21.952 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93010		
166	131.5		101.1	151.7
129	101.2		77.0	115.4
131	90.0		76.6	115.0





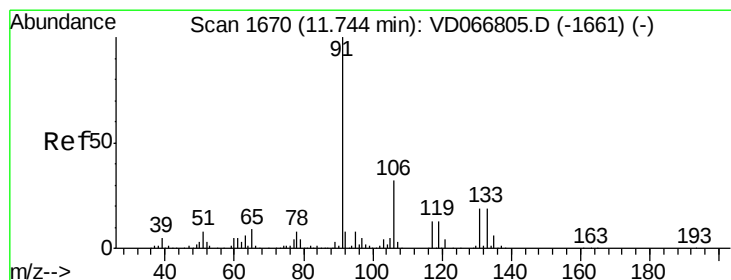
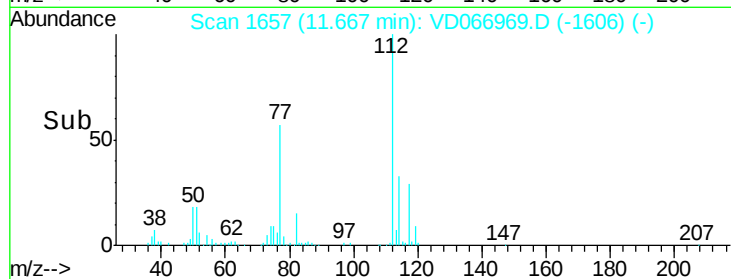
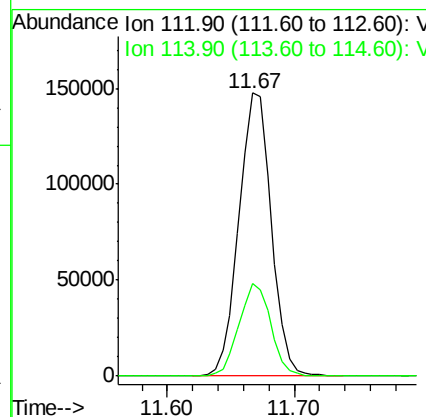
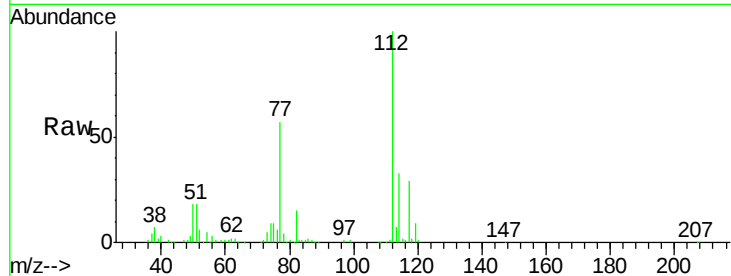
#65
Chlorobenzene
Concen: 21.298 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	261137		
114	32.6	25.4	38.2	

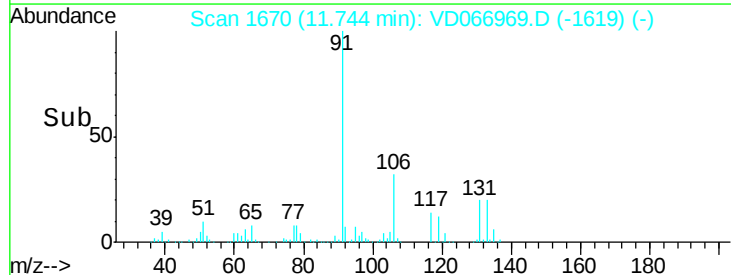
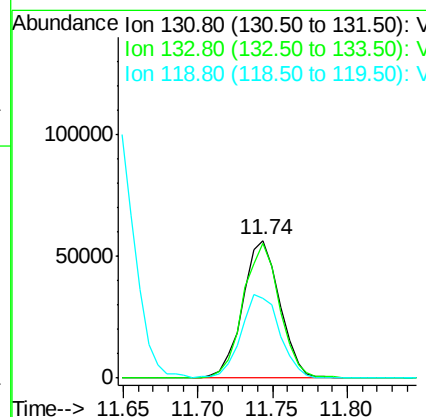
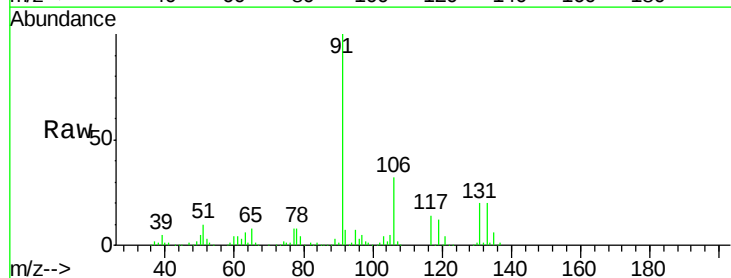
Manual Integrations
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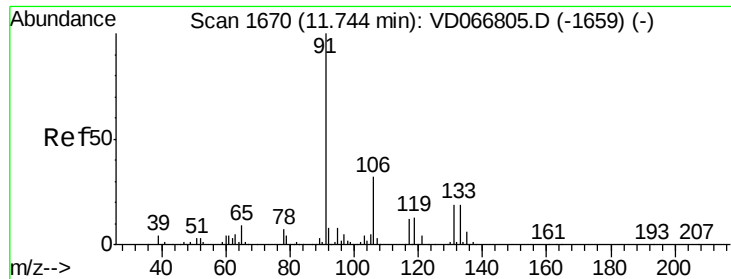
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.033 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	97603		
133	96.1	46.7	140.1	
119	63.1	32.3	96.9	





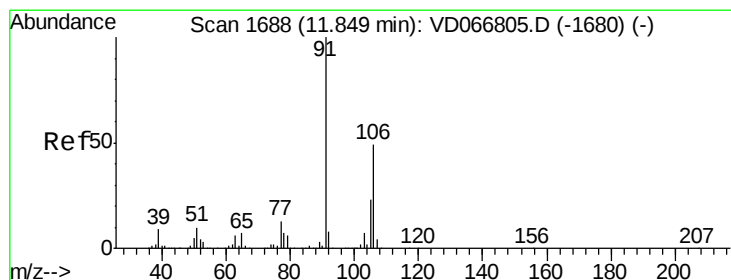
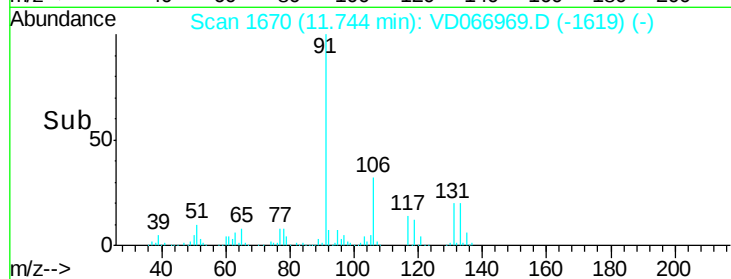
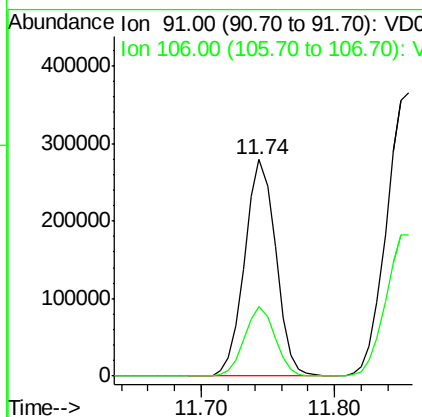
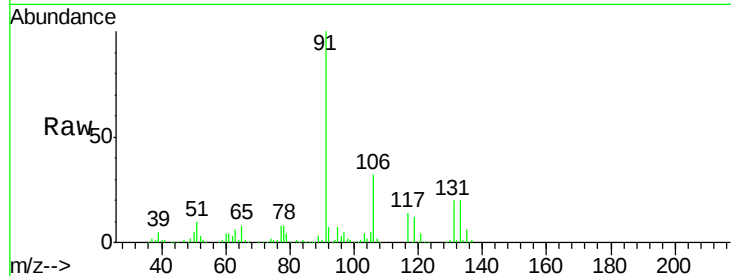
#67
Ethyl Benzene
Concen: 20.946 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion: 91 Resp: 451050
Ion Ratio Lower Upper
91 100
106 31.9 25.6 38.4

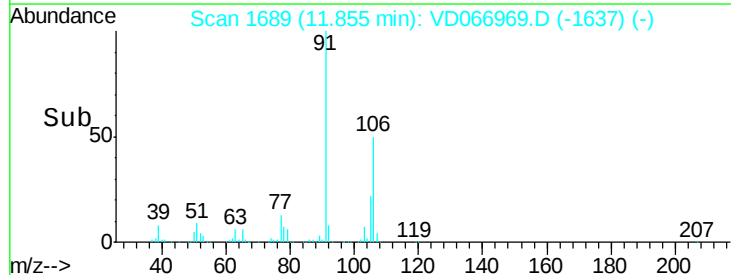
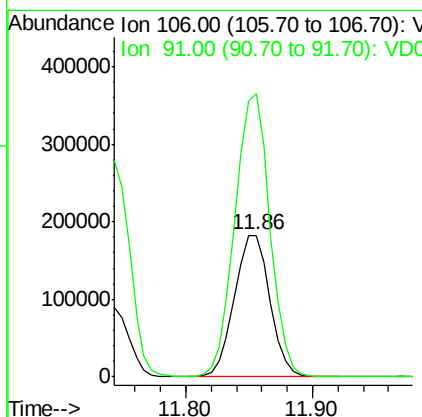
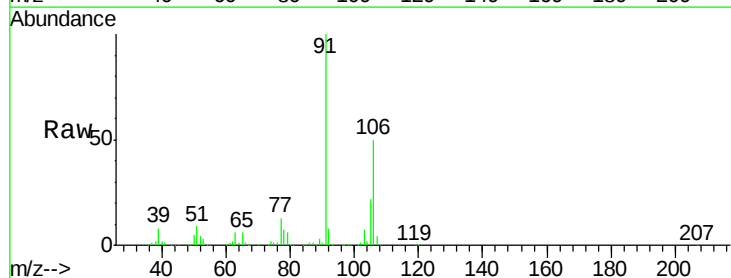
Manual Integrations
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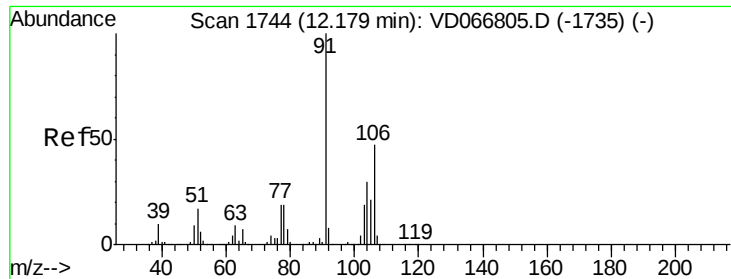
MMDadoda
10/1/2020 2:41:48 PM



#68
m/p-Xylenes
Concen: 43.482 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 106 Resp: 354518
Ion Ratio Lower Upper
106 100
91 197.1 160.7 241.1





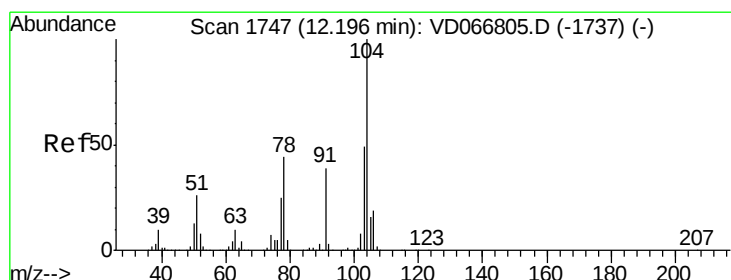
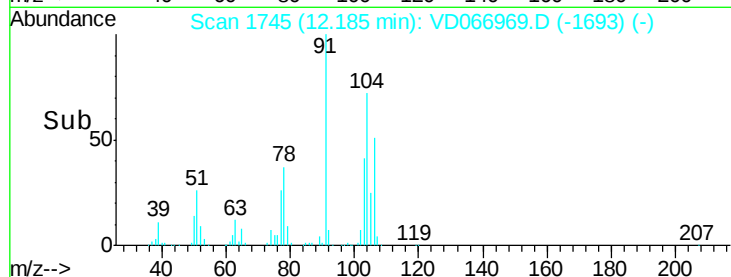
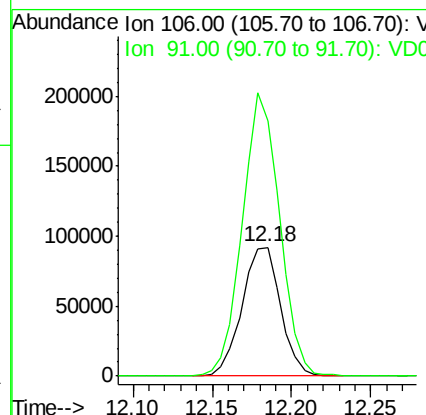
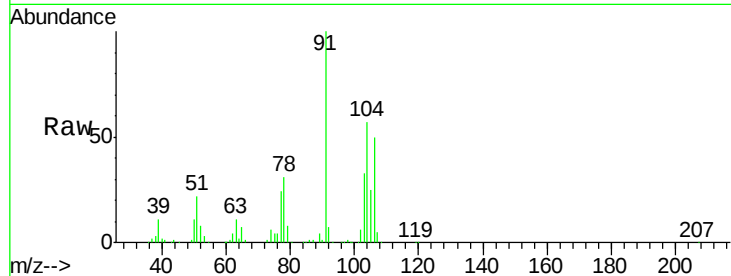
#69
o-Xylene
Concen: 21.136 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion:106 Resp: 155823
Ion Ratio Lower Upper
106 100
91 212.5 106.3 318.8

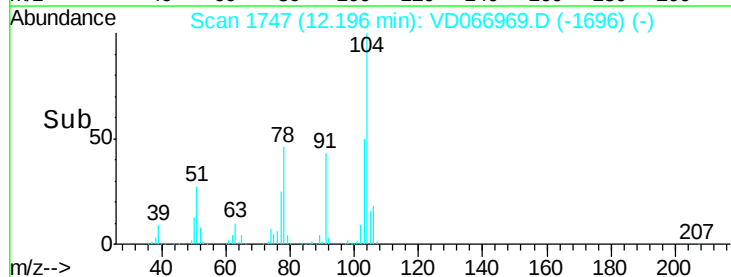
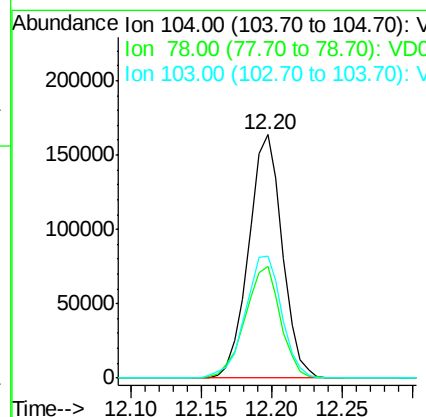
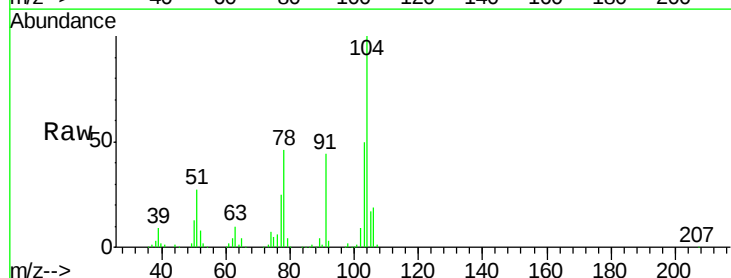
Manual Integrations
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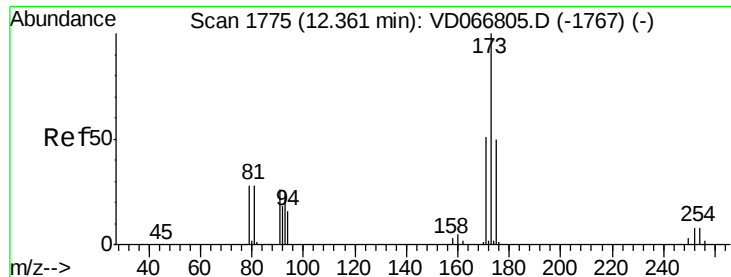
MMDadoda
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#70
Styrene
Concen: 21.408 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion:104 Resp: 274088
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 54.5 43.2 64.8





#71

Bromoform

Concen: 22.777 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

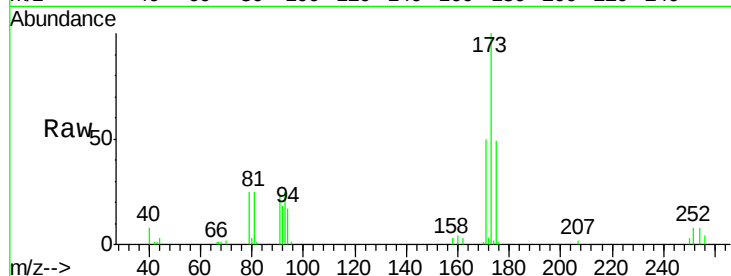
ClientSampleID :

VD0930SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1#

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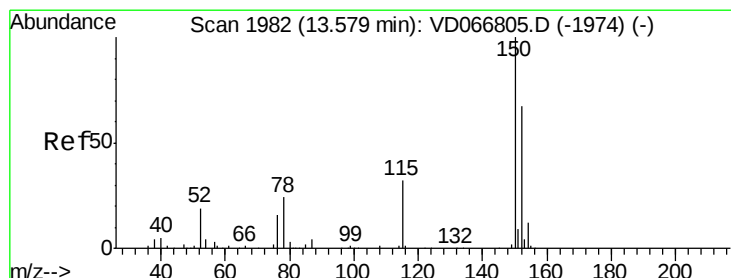
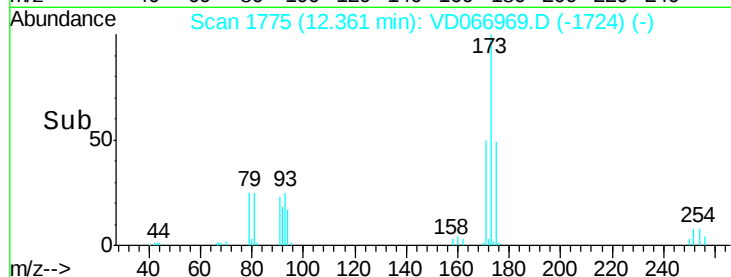
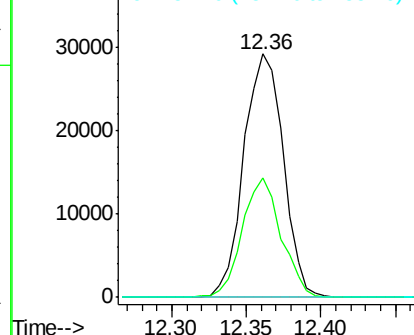


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

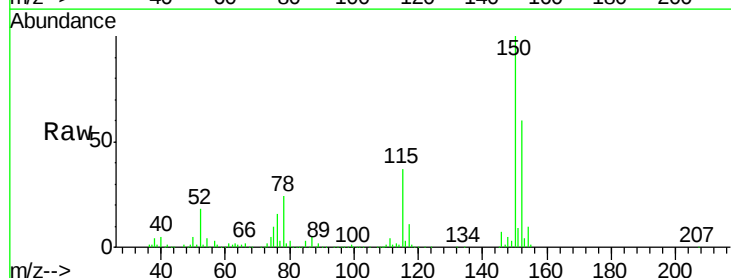
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.3	91.0
150	164.5	0.0	346.2

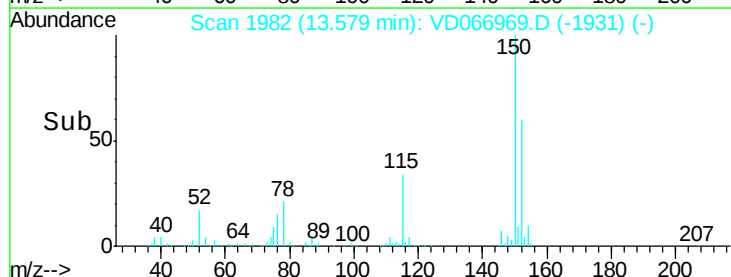
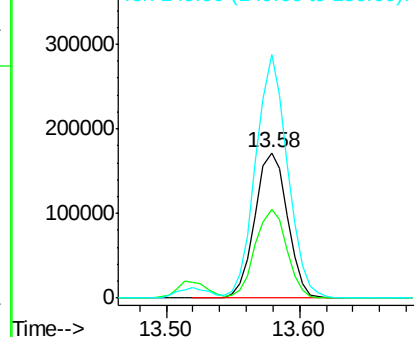


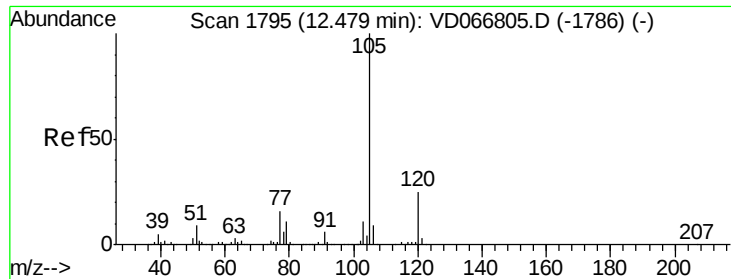
Abundance

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: 20.659 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion:105 Resp: 430282

Ion Ratio Lower Upper

105 100

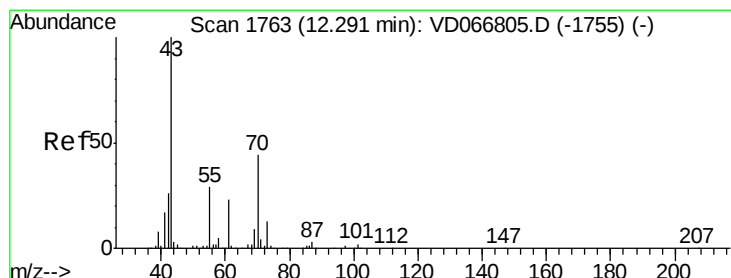
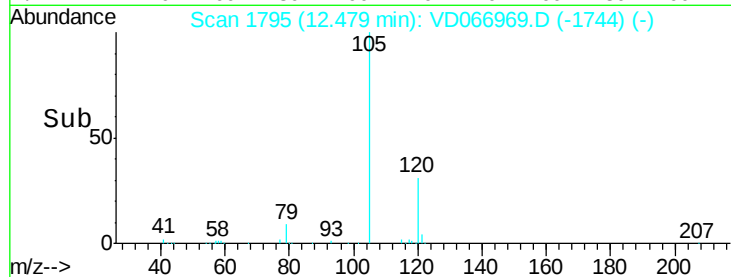
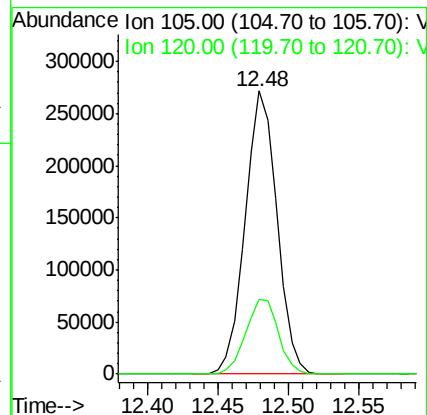
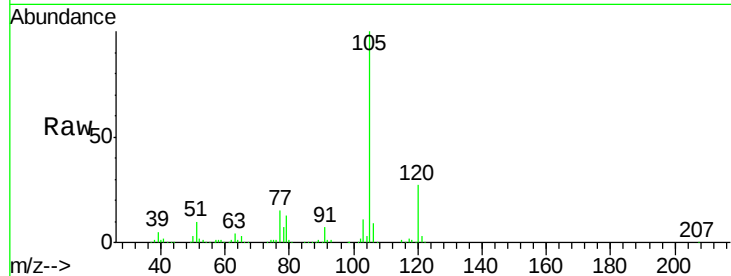
120 27.2 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.032 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion: 43 Resp: 77412

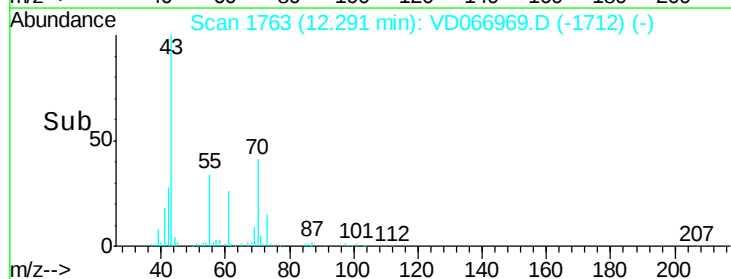
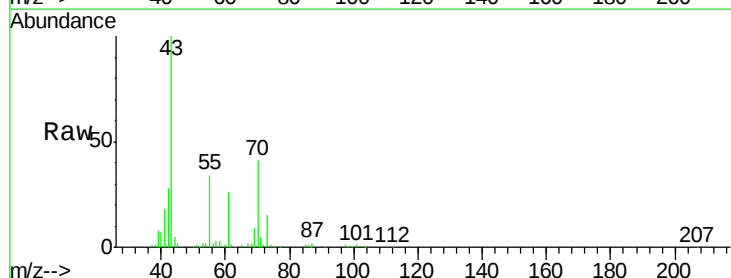
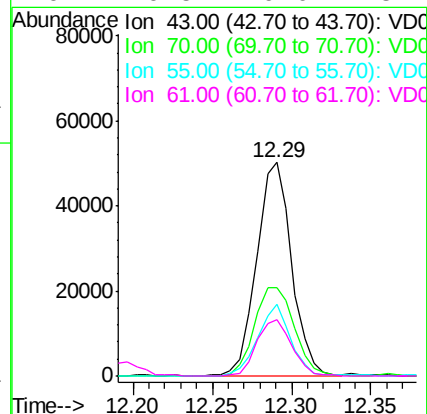
Ion Ratio Lower Upper

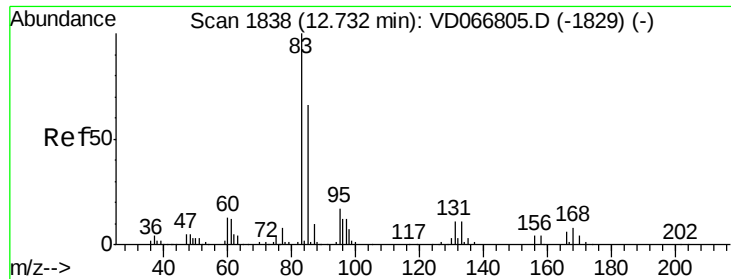
43 100

70 47.1 36.1 54.1

55 31.5 21.8 32.8

61 26.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.268 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

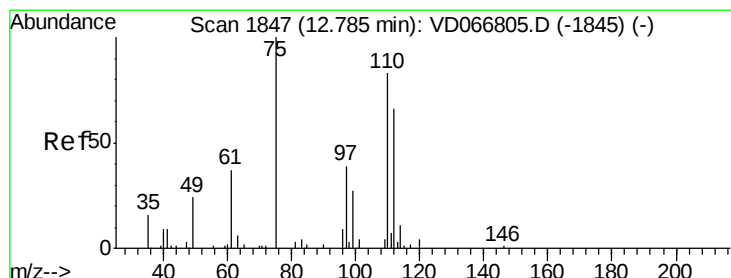
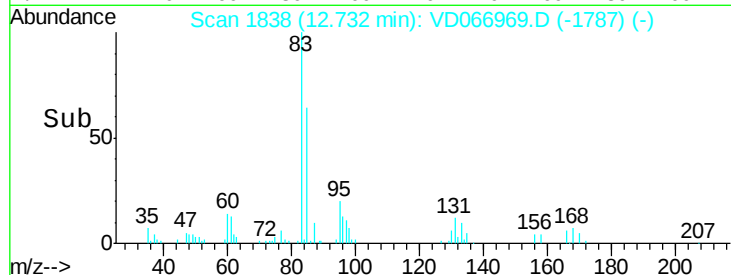
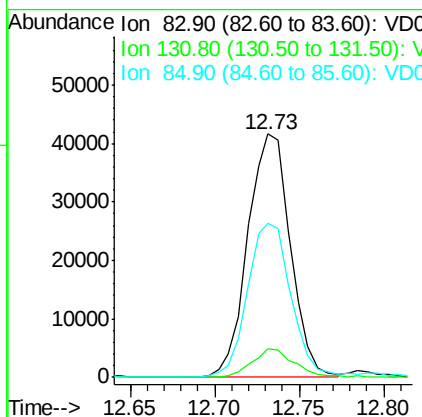
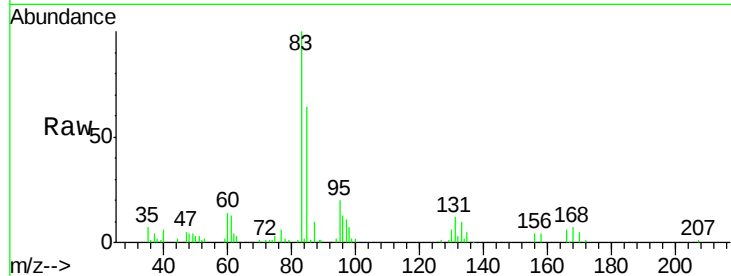
ClientSampleId :

VD0930SBS01

Tot Ion:	83	Resp:	72843
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.7
85	64.6	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.443 ug/l m

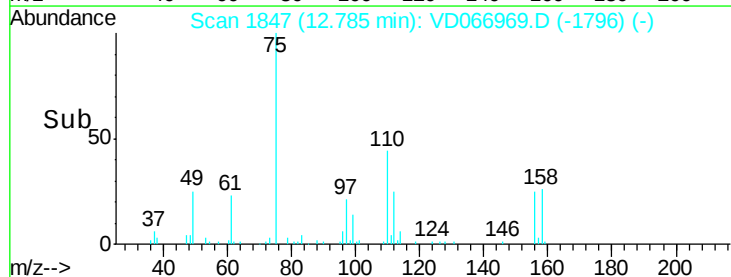
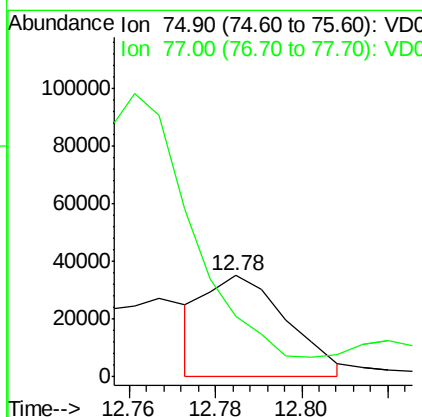
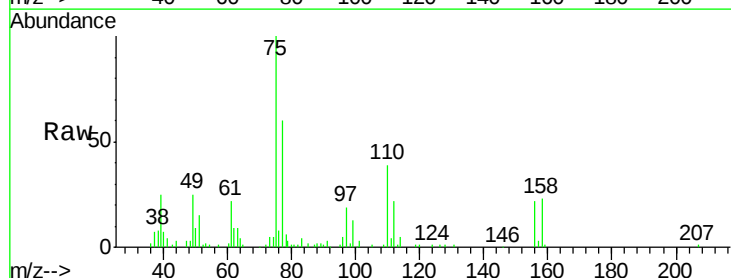
RT: 12.78 min Scan# 1847

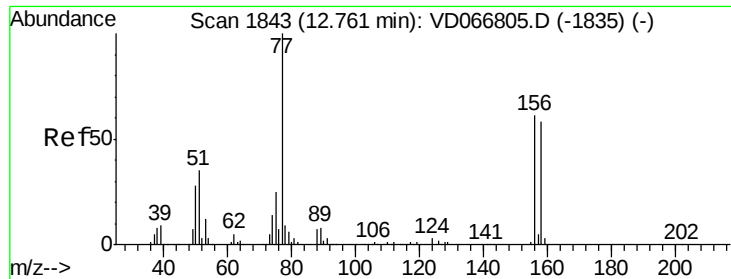
Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion:	75	Resp:	46457
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.465 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

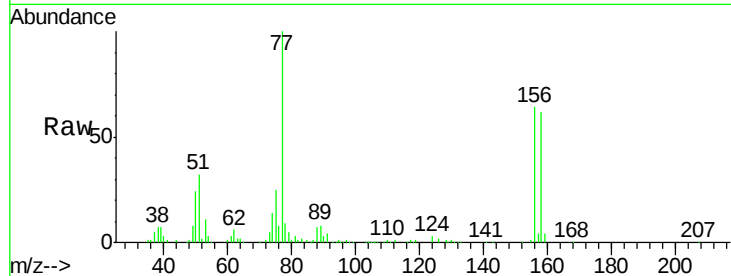
ClientSampleId :

VD0930SBSD01

Tot Ion:	156	Resp:	104560
Ion Ratio	Lower	Upper	
156	100		
77	174.8	92.3	276.9
158	98.3	47.6	142.9

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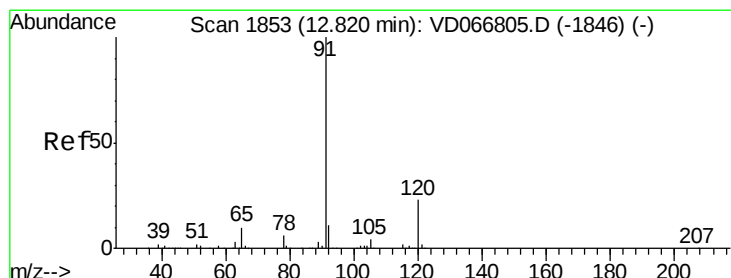
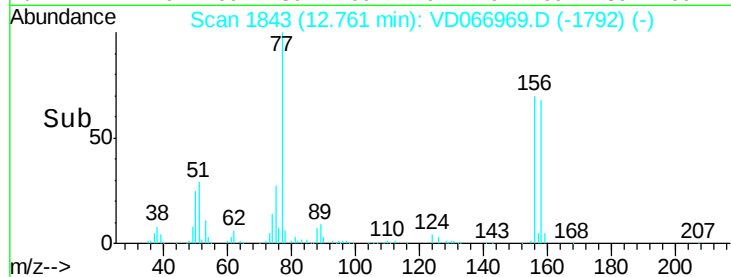
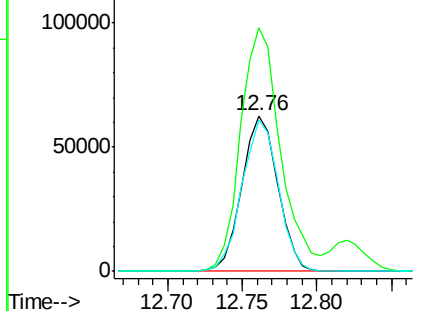
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.612 ug/l

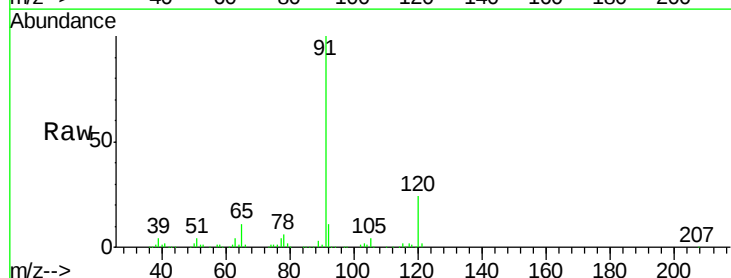
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066969.D

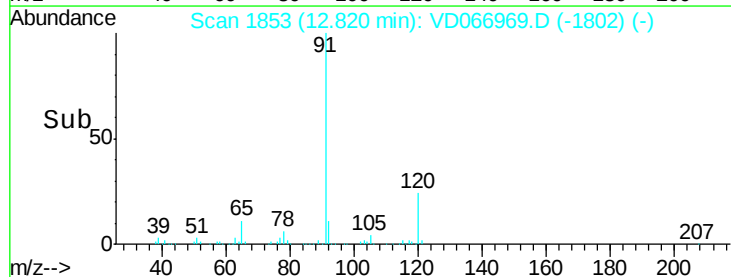
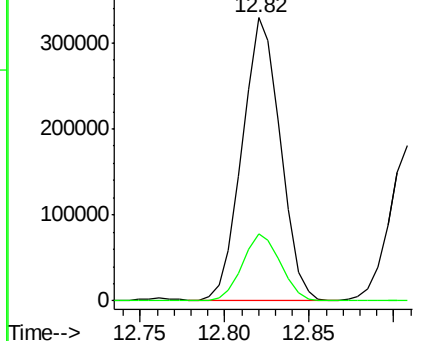
Acq: 30 Sep 2020 13:08

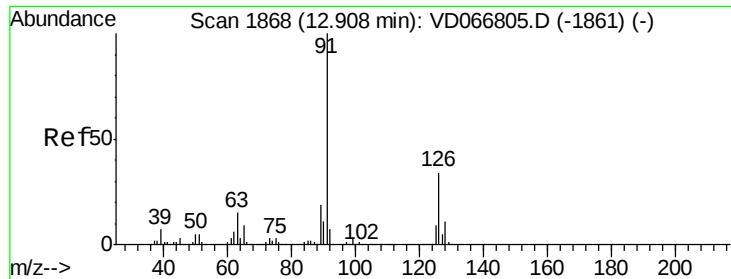
Tgt Ion:	91	Resp:	516488
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.411 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 91 Resp: 291445

Ion Ratio Lower Upper

91 100

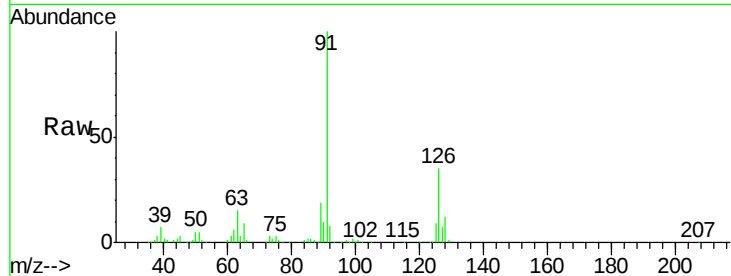
126 35.3 17.0 51.0

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Abundance Ion 91.00 (90.70 to 91.70): VD066805.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066805.D (-1861) (-)

250000

200000

150000

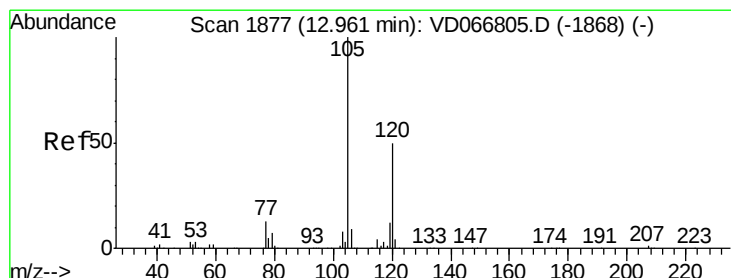
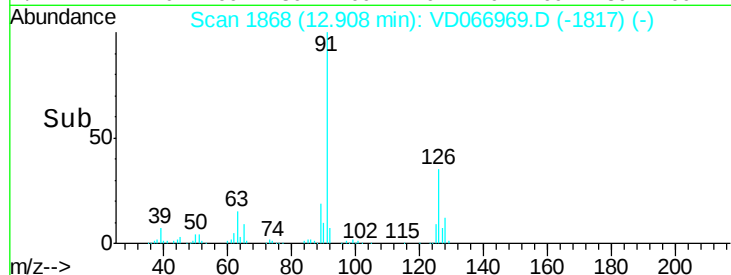
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.538 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066969.D

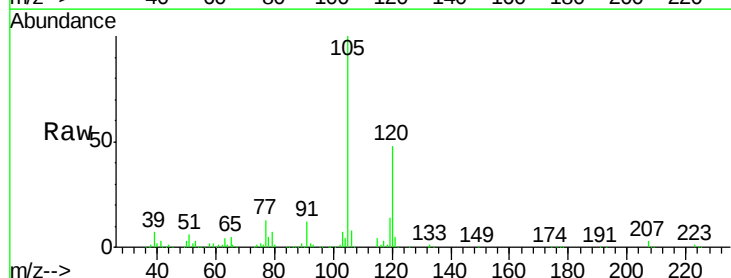
Acq: 30 Sep 2020 13:08

Tgt Ion:105 Resp: 362961

Ion Ratio Lower Upper

105 100

120 50.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066805.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD066805.D (-1868) (-)

250000

200000

150000

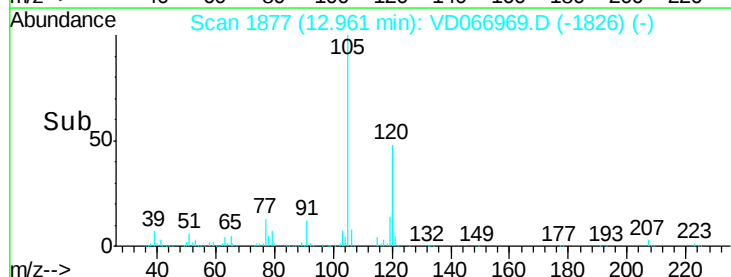
100000

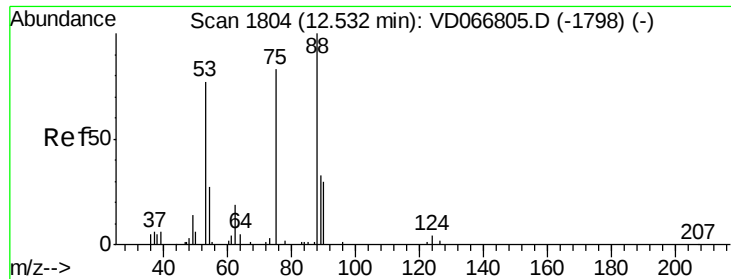
50000

0

12.90 12.96 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 23.633 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 75 Resp: 22570

Ion Ratio Lower Upper

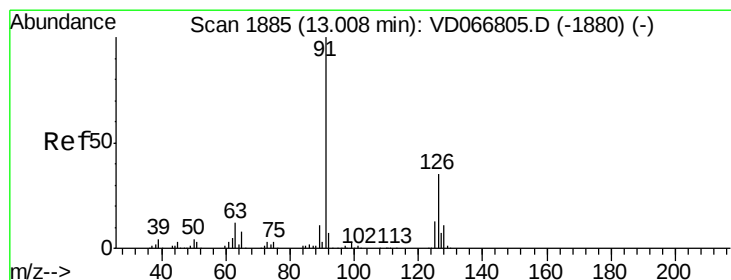
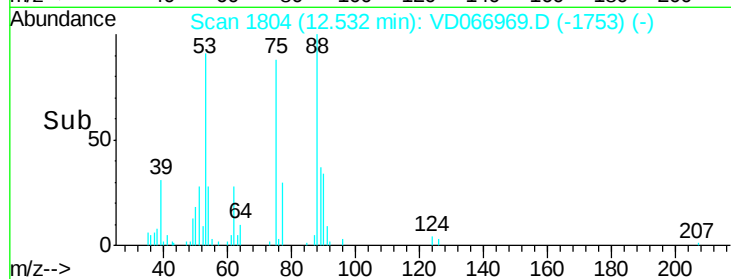
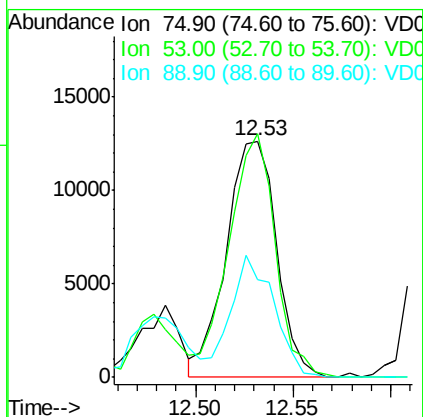
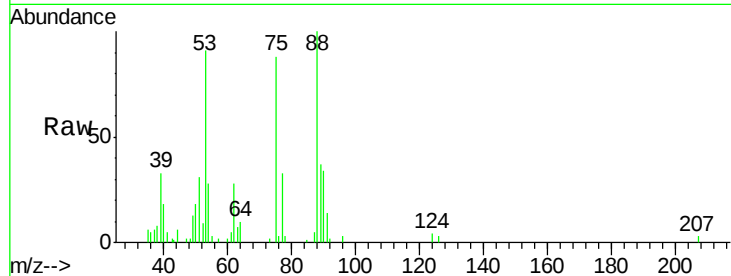
75 100

53 95.4 78.5 117.7

89 45.1 38.1 57.1

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#82

4-Chlorotoluene

Concen: 20.991 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066969.D

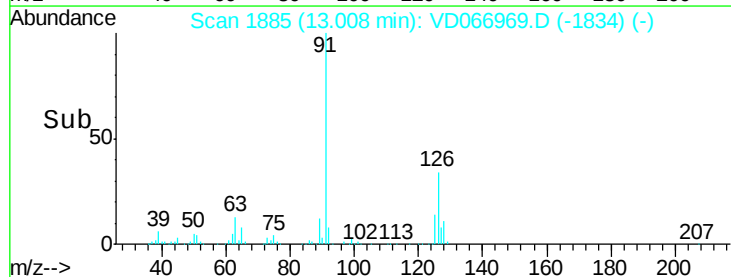
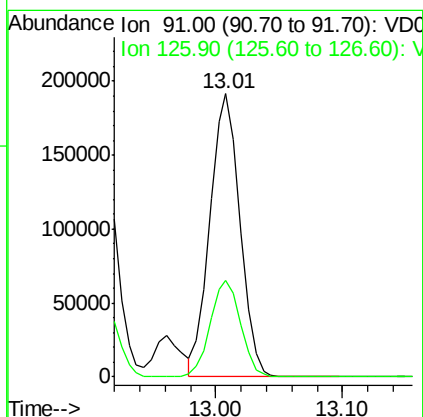
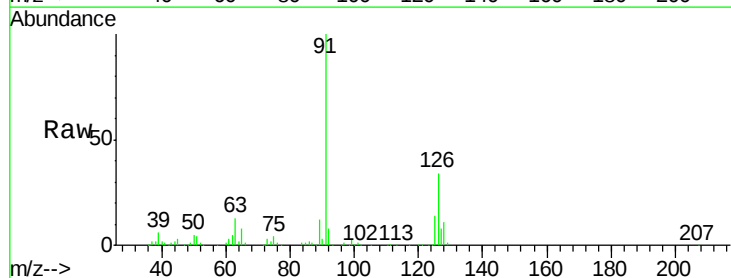
Acq: 30 Sep 2020 13:08

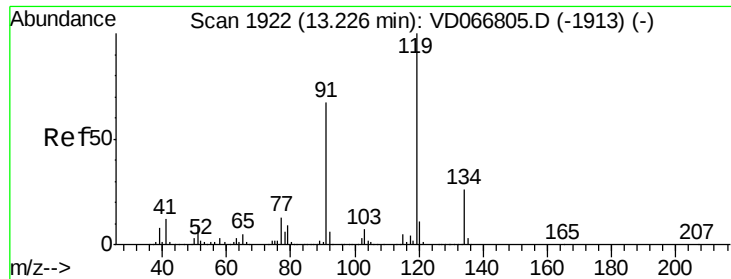
Tgt Ion: 91 Resp: 315963

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2





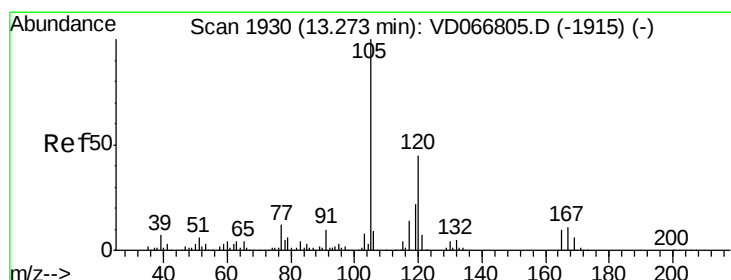
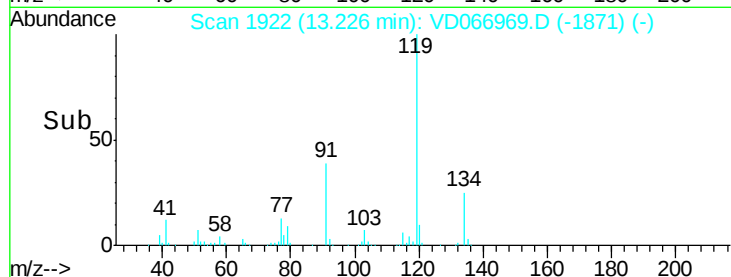
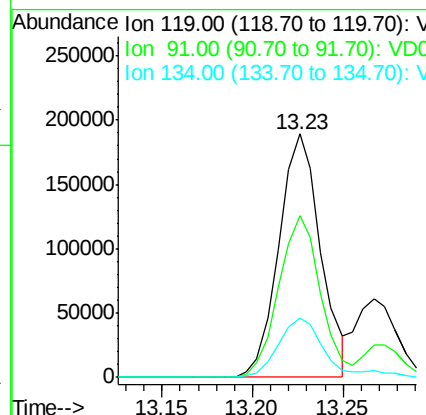
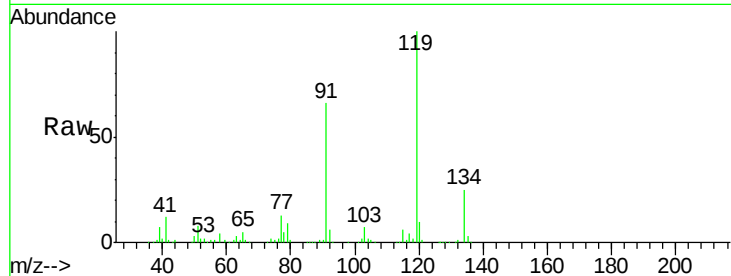
#83
tert-Butylbenzene
Concen: 20.947 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	304196		
91	66.7	33.6	100.8	
134	27.4	13.5	40.4	

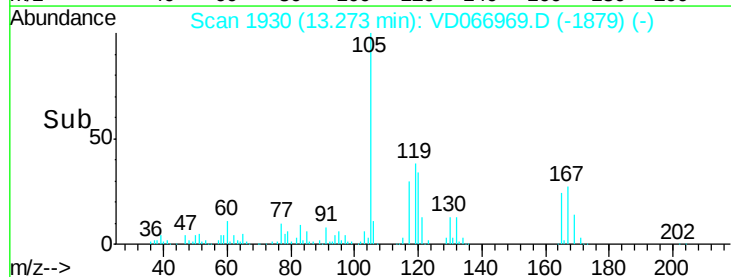
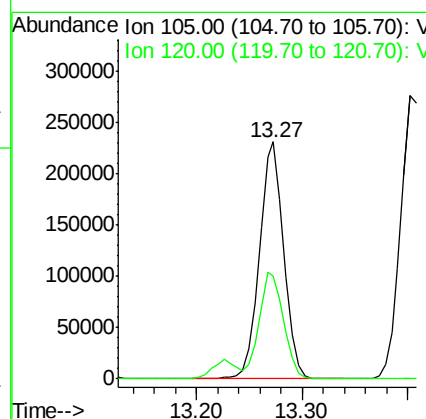
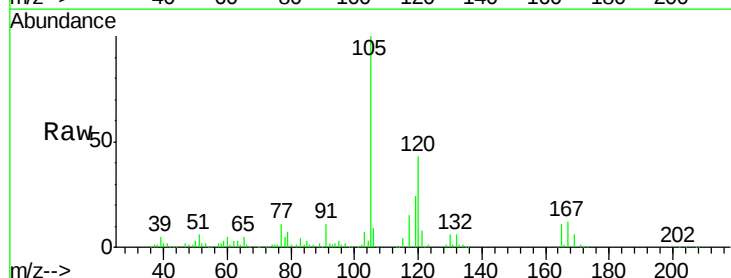
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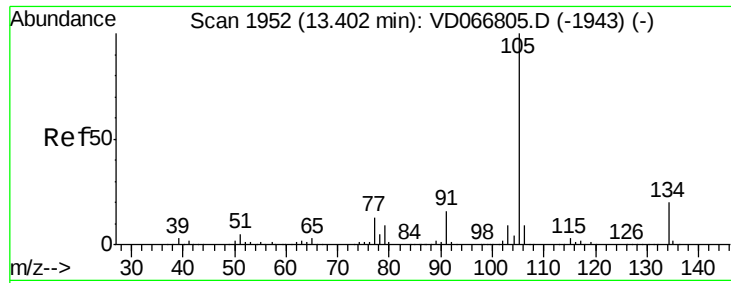
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#84
1,2,4-Trimethylbenzene
Concen: 21.114 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	370012		
120	45.3	22.3	66.9	





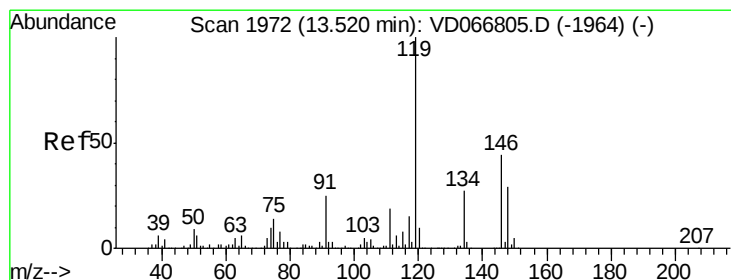
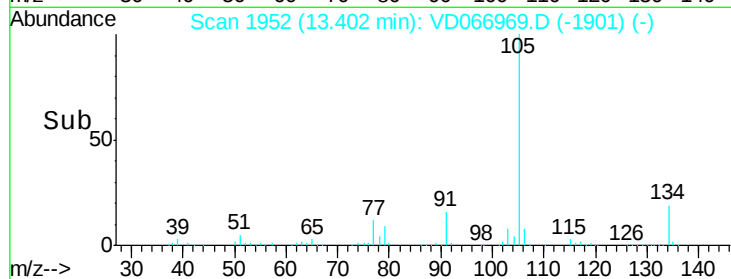
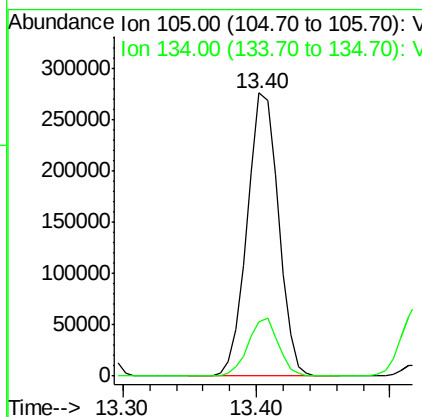
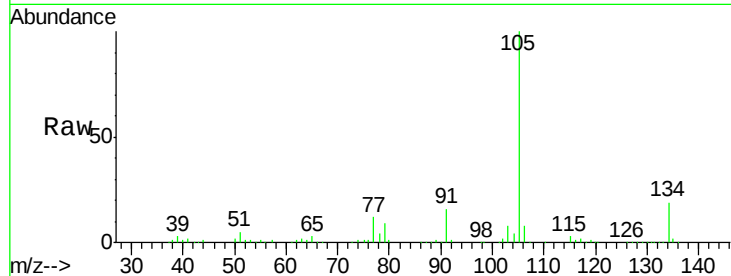
#85
 sec-Butylbenzene
 Concen: 21.306 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion:105 Resp: 444942
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.2 30.6

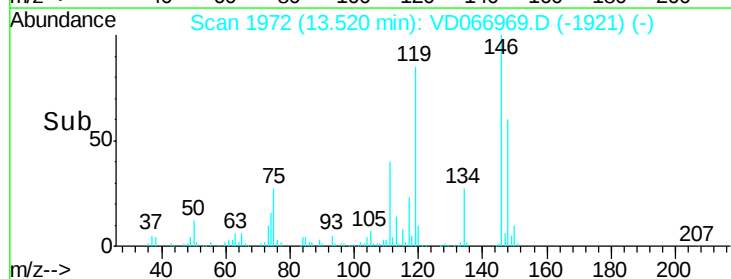
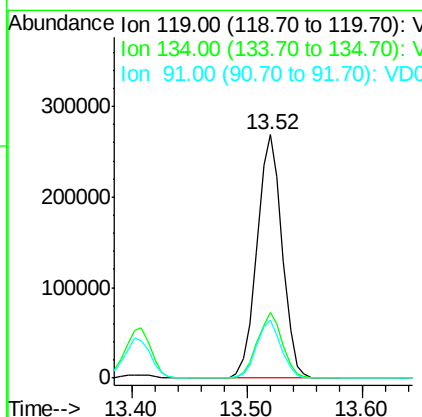
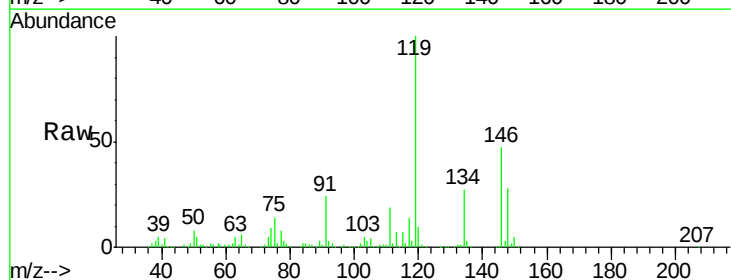
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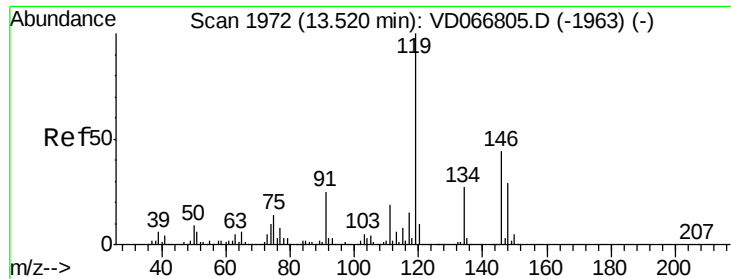
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#86
 p-Isopropyltoluene
 Concen: 21.671 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion:119 Resp: 407926
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.0 38.9
 91 23.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 21.290 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

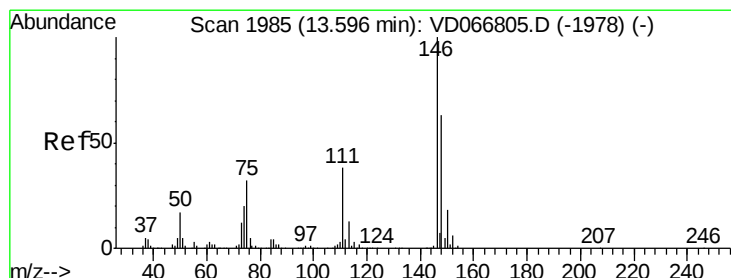
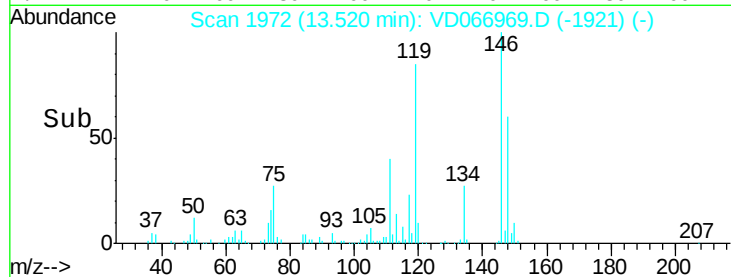
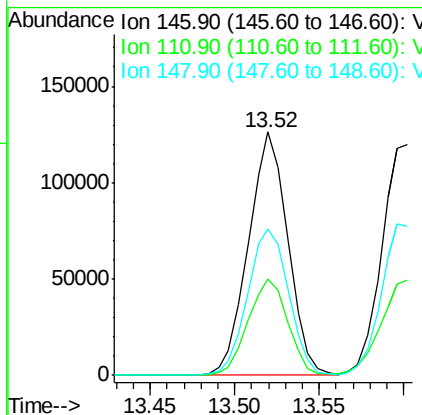
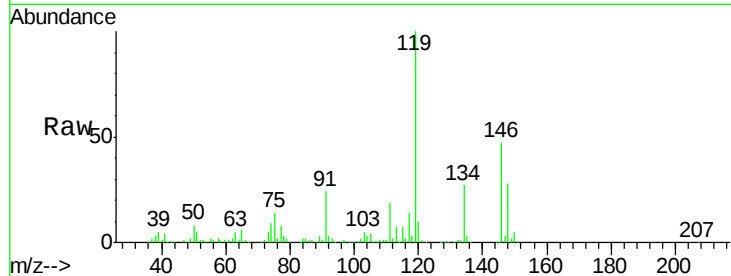
ClientSampleId :

VD0930SBS01

Tot Ion:	146	Resp:	204889
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.9
148	62.7	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.908 ug/l

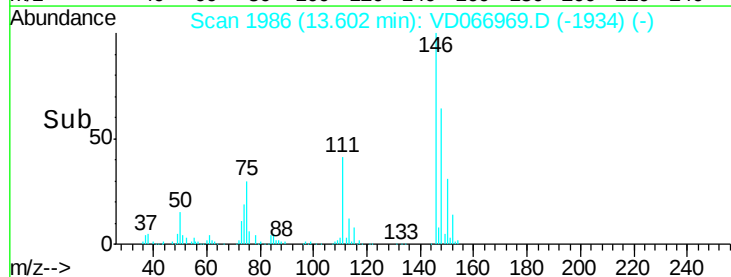
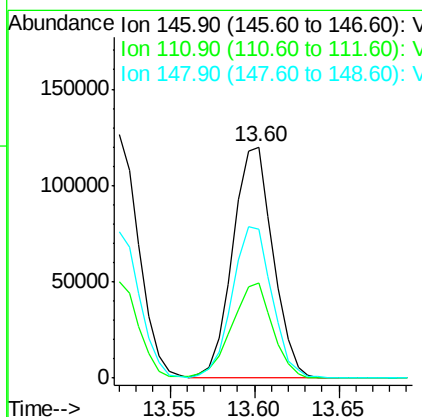
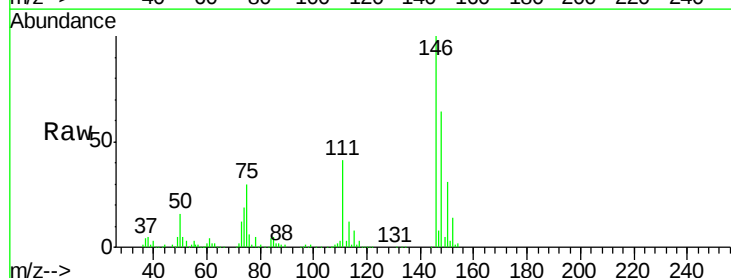
RT: 13.60 min Scan# 1986

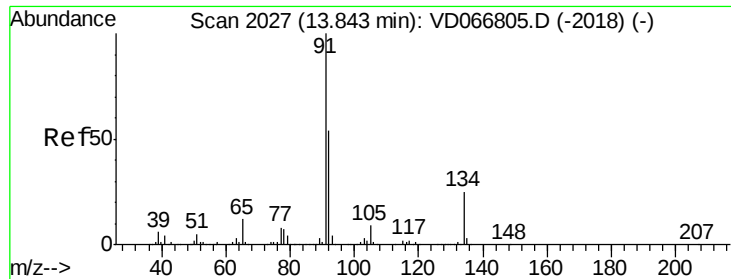
Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion:	146	Resp:	199847
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.2	60.5
148	64.7	31.6	94.7





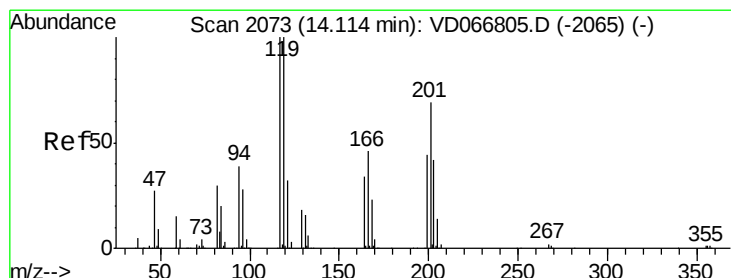
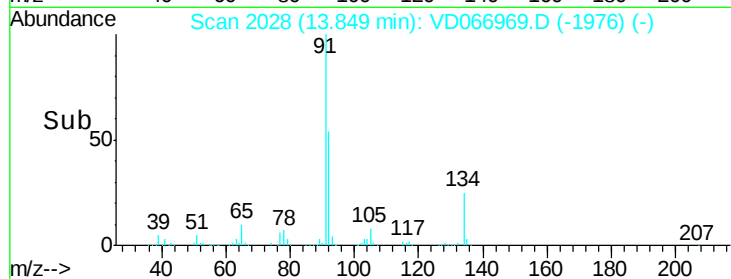
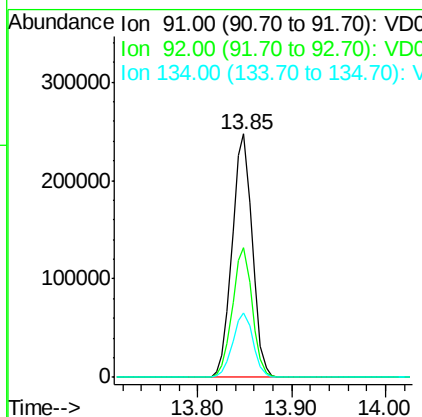
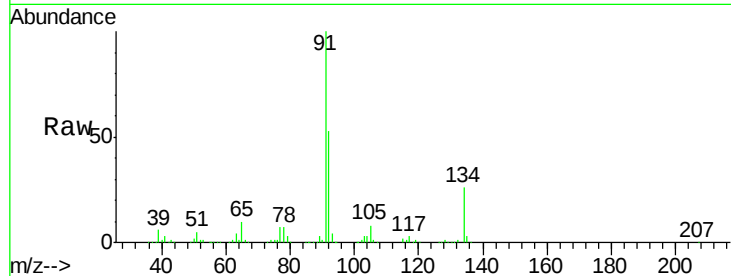
#89
n-Butylbenzene
Concen: 20.532 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	26.7	80.0	
134	26.7	13.1	39.1	

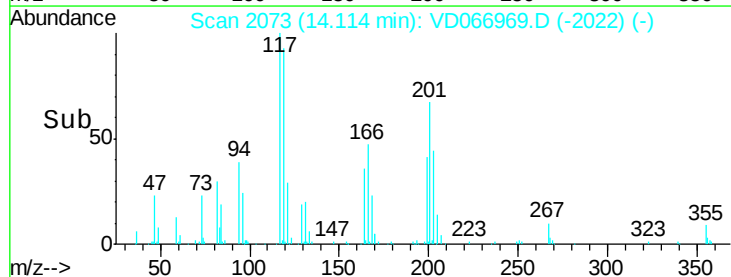
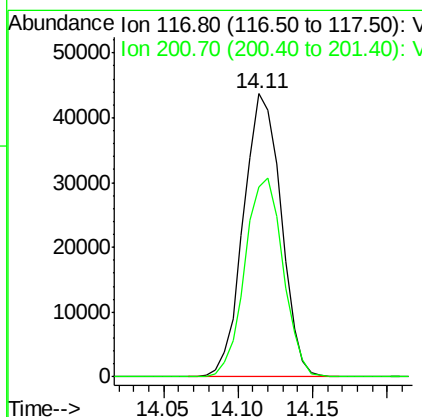
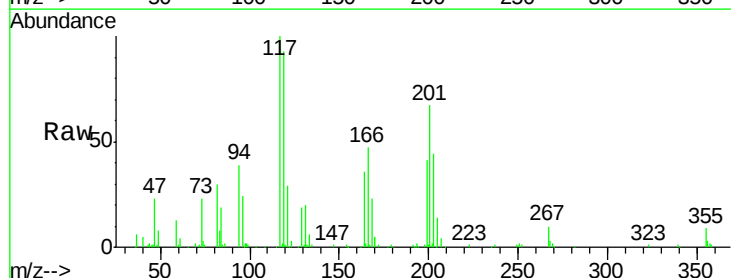
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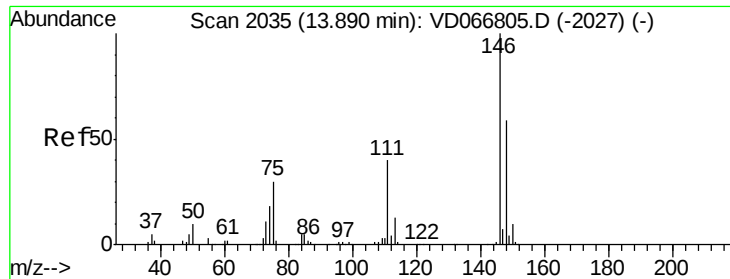
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#90
Hexachloroethane
Concen: 19.980 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.1	33.7	101.0	





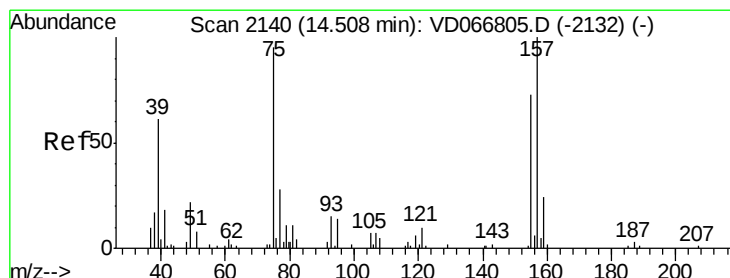
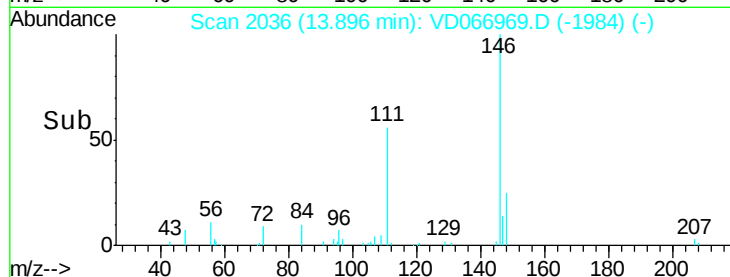
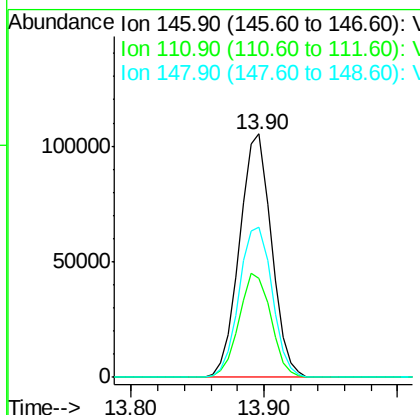
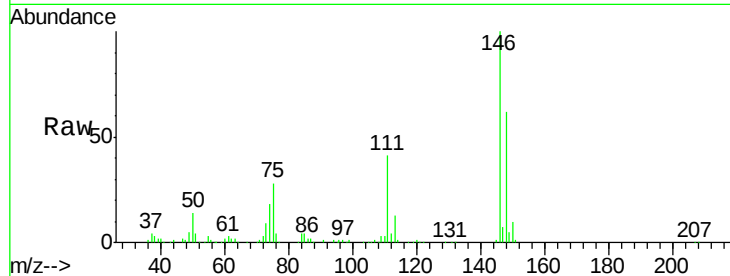
#91
 1,2-Dichlorobenzene
 Concen: 21.183 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	174418		
111	42.8	20.9	62.7	
148	64.1	31.8	95.3	

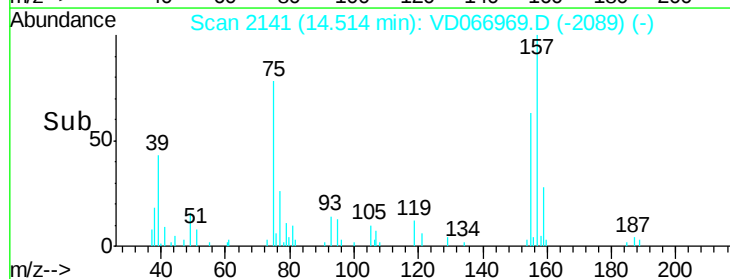
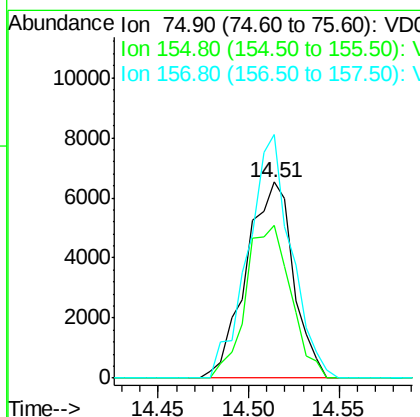
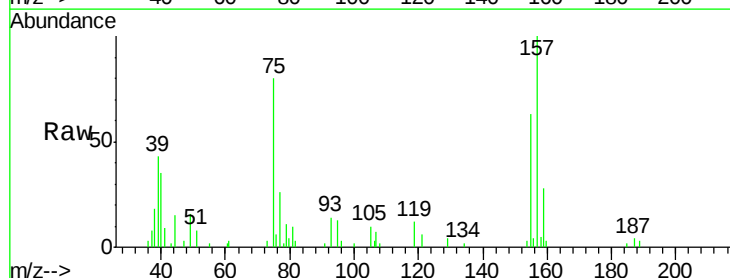
Manual Integrations
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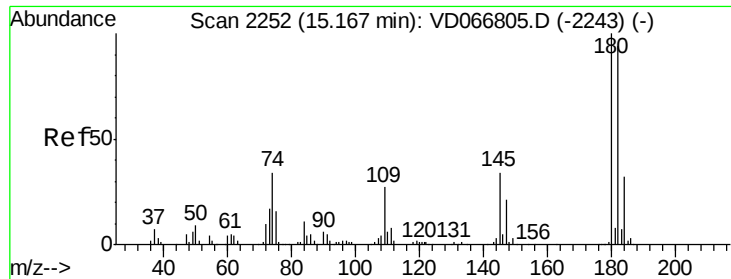
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.363 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11773		
155	74.3	40.4	121.2	
157	113.8	51.3	153.9	





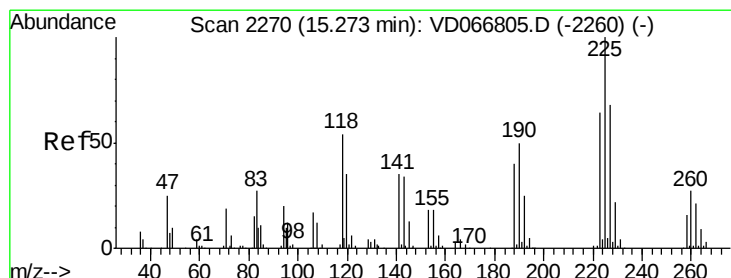
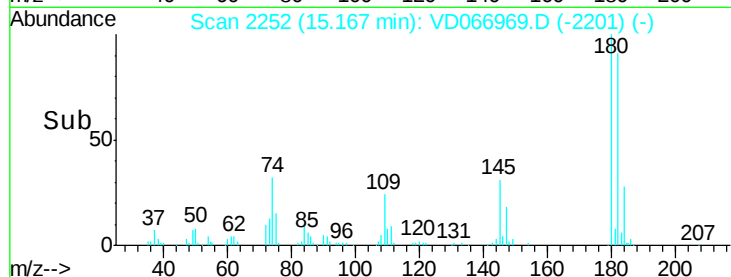
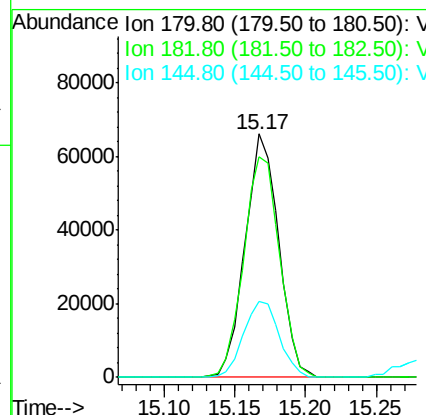
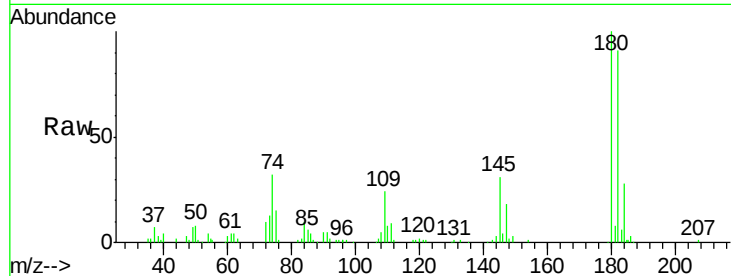
#93
 1,2,4-Trichlorobenzene
 Concen: 21.298 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110391		
182	96.8	48.8	146.3	
145	33.3	16.7	50.0	

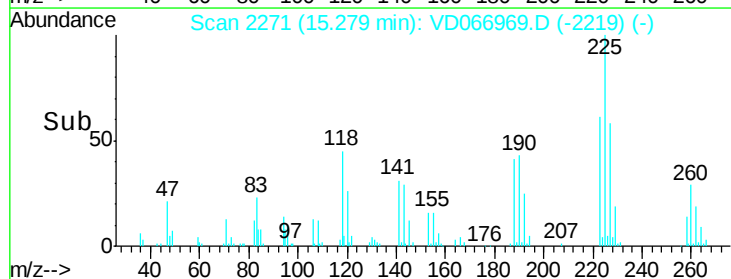
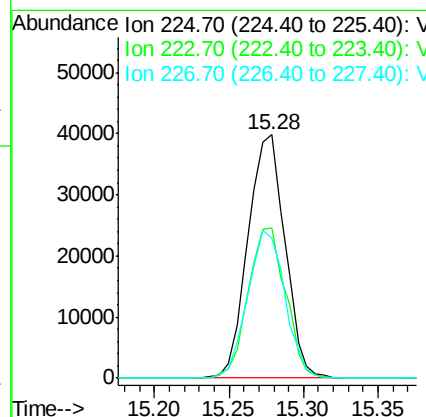
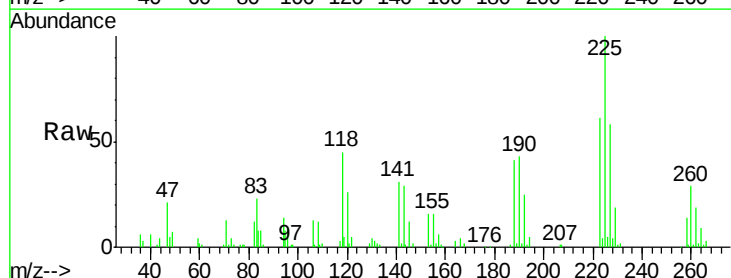
Manual Integrations
 APPROVED

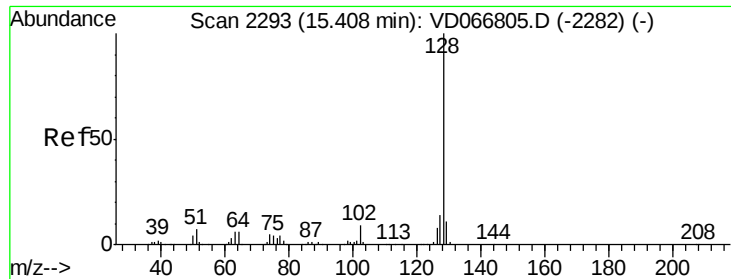
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#94
 Hexachlorobutadiene
 Concen: 21.971 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68243		
223	62.4	31.1	93.3	
227	61.1	31.7	95.1	





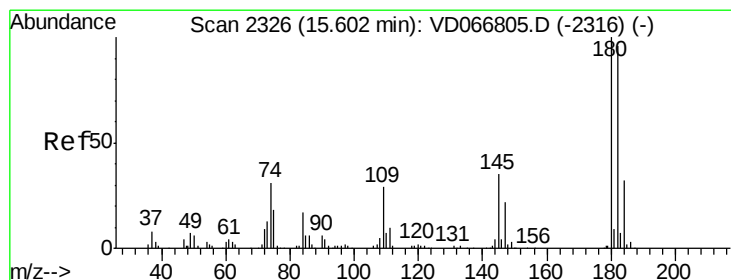
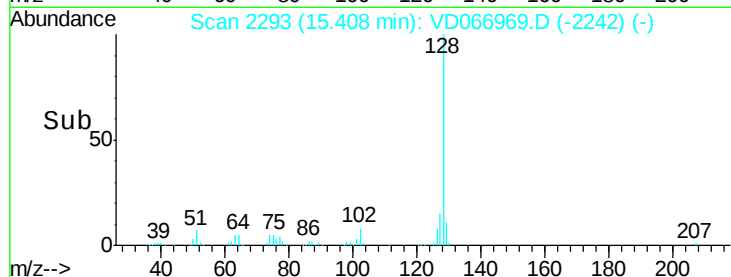
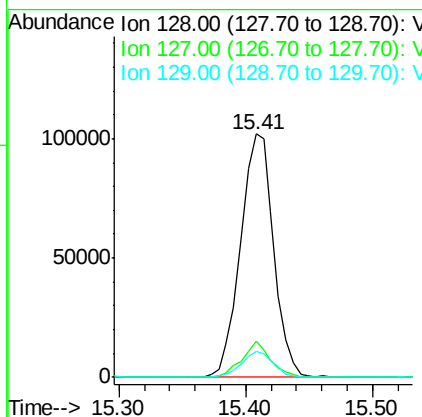
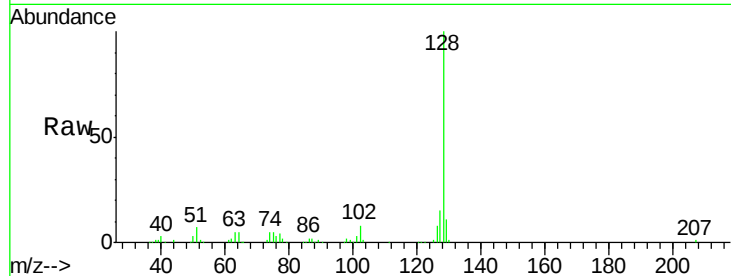
#95
Naphthalene
Concen: 20.979 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.5	8.9	13.3

Manual Integrations
APPROVED

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10/1/2020 2:41:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.295 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.8	140.3
145	35.3	17.0	51.0

