

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013120\
 Data File : VD065027.D
 Acq On : 31 Jan 2020 12:01
 Operator : VA/SY
 Sample : VD0131SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:52:28 AM

Quant Time: Jan 31 13:22:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	467676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	606296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	226525	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	7.92	113	220628	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.34	98	849658	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.64	95	265527	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74177	21.054	ug/l	99
3) Chloromethane	2.21	50	107238	20.767	ug/l	98
4) Vinyl Chloride	2.35	62	120251	20.276	ug/l	99
5) Bromomethane	2.76	94	80306	20.129	ug/l	94
6) Chloroethane	2.92	64	78527	20.084	ug/l	96
7) Trichlorofluoromethane	3.27	101	186468	20.358	ug/l	95
8) Diethyl Ether	3.70	74	43107	20.847	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	93774	22.005	ug/l	98
10) Methyl Iodide	4.30	142	88585	19.584	ug/l	99
11) Tert butyl alcohol	5.24	59	22520	90.843	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	84520	20.761	ug/l	98
13) Acrolein	3.93	56	23482	75.561	ug/l	97
14) Allyl chloride	4.71	41	137994	21.253	ug/l	97
15) Acrylonitrile	5.43	53	93638	104.574	ug/l	99
16) Acetone	4.17	43	101102	94.080	ug/l	98
17) Carbon Disulfide	4.40	76	275881	20.591	ug/l	100
18) Methyl Acetate	4.73	43	48331	23.004	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	184876	20.324	ug/l	98
20) Methylene Chloride	4.96	84	103170	19.783	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	97234	20.731	ug/l	95
22) Diisopropyl ether	6.37	45	276829	21.394	ug/l	97
23) Vinyl Acetate	6.31	43	763104	100.725	ug/l	99
24) 1,1-Dichloroethane	6.27	63	170123	21.413	ug/l	98
25) 2-Butanone	7.23	43	124859	103.022	ug/l	97
26) 2,2-Dichloropropane	7.21	77	154105	21.385	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103952	20.765	ug/l	100
28) Bromochloromethane	7.55	49	57082	17.965	ug/l	99
29) Tetrahydrofuran	7.57	42	75460	100.912	ug/l	98
30) Chloroform	7.71	83	174678	21.269	ug/l	100
31) Cyclohexane	7.98	56	162328	20.770	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	161906	21.191	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138962	21.151	ug/l	98
37) Ethyl Acetate	7.30	43	53877	19.853	ug/l	99
38) Carbon Tetrachloride	8.10	117	147775	21.280	ug/l	100

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159827	20.807	ug/l	96
40) Benzene	8.36	78	377490	20.862	ug/l	100
41) Methacrylonitrile	7.53	41	29615	20.257	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	113509	21.058	ug/l	99
43) Isopropyl Acetate	8.46	43	104757	20.321	ug/l	99
44) Trichloroethene	9.12	130	105854	20.902	ug/l	97
45) 1,2-Dichloropropane	9.39	63	91948	20.961	ug/l	100
46) Dibromomethane	9.48	93	49835	20.809	ug/l	99
47) Bromodichloromethane	9.67	83	133538	21.428	ug/l	96
48) Methyl methacrylate	9.46	41	50238	21.177	ug/l	98
49) 1,4-Dioxane	9.47	88	11010	396.386	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	265642	102.986	ug/l	98
52) Toluene	10.41	92	241774	20.724	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	123438	20.794	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	147704	21.252	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	66928	20.747	ug/l	96
56) Ethyl methacrylate	10.67	69	77486	20.086	ug/l	98
57) 1,3-Dichloropropane	10.95	76	116197	21.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	123050	96.012	ug/l	98
59) 2-Hexanone	10.99	43	184392	103.638	ug/l	97
60) Dibromochloromethane	11.14	129	89663	20.795	ug/l	97
61) 1,2-Dibromoethane	11.25	107	65158	20.976	ug/l	100
64) Tetrachloroethene	10.88	164	91946	20.986	ug/l	97
65) Chlorobenzene	11.68	112	255594	20.763	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	99478	21.487	ug/l	98
67) Ethyl Benzene	11.75	91	451389	20.654	ug/l	98
68) m/p-Xylenes	11.86	106	348012	41.359	ug/l	98
69) o-Xylene	12.18	106	155873	20.872	ug/l	96
70) Styrene	12.20	104	273891	20.588	ug/l	99
71) Bromoform	12.37	173	52744	20.495	ug/l #	99
73) Isopropylbenzene	12.49	105	426831	21.266	ug/l	99
74) N-amyl acetate	12.30	43	91528	20.379	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70737	20.969	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	58106m	23.839	ug/l	
77) Bromobenzene	12.77	156	104687	21.317	ug/l	99
78) n-propylbenzene	12.83	91	506450	21.217	ug/l	100
79) 2-Chlorotoluene	12.91	91	277596	21.199	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	350897	21.333	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	24257	21.250	ug/l	97
82) 4-Chlorotoluene	13.01	91	297686	21.437	ug/l	98
83) tert-Butylbenzene	13.23	119	291151	20.858	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	348254	20.901	ug/l	99
85) sec-Butylbenzene	13.41	105	414089	20.952	ug/l	99
86) p-Isopropyltoluene	13.53	119	384408	20.785	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	195585	20.757	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	193958	20.740	ug/l	97
89) n-Butylbenzene	13.85	91	357004	21.152	ug/l	98
90) Hexachloroethane	14.12	117	75960	21.298	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	168151	21.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11475	21.256	ug/l	93

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113679	20.541	ug/l	98
94) Hexachlorobutadiene	15.28	225	69837	19.951	ug/l	98
95) Naphthalene	15.41	128	178523	19.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97580	20.336	ug/l	99

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

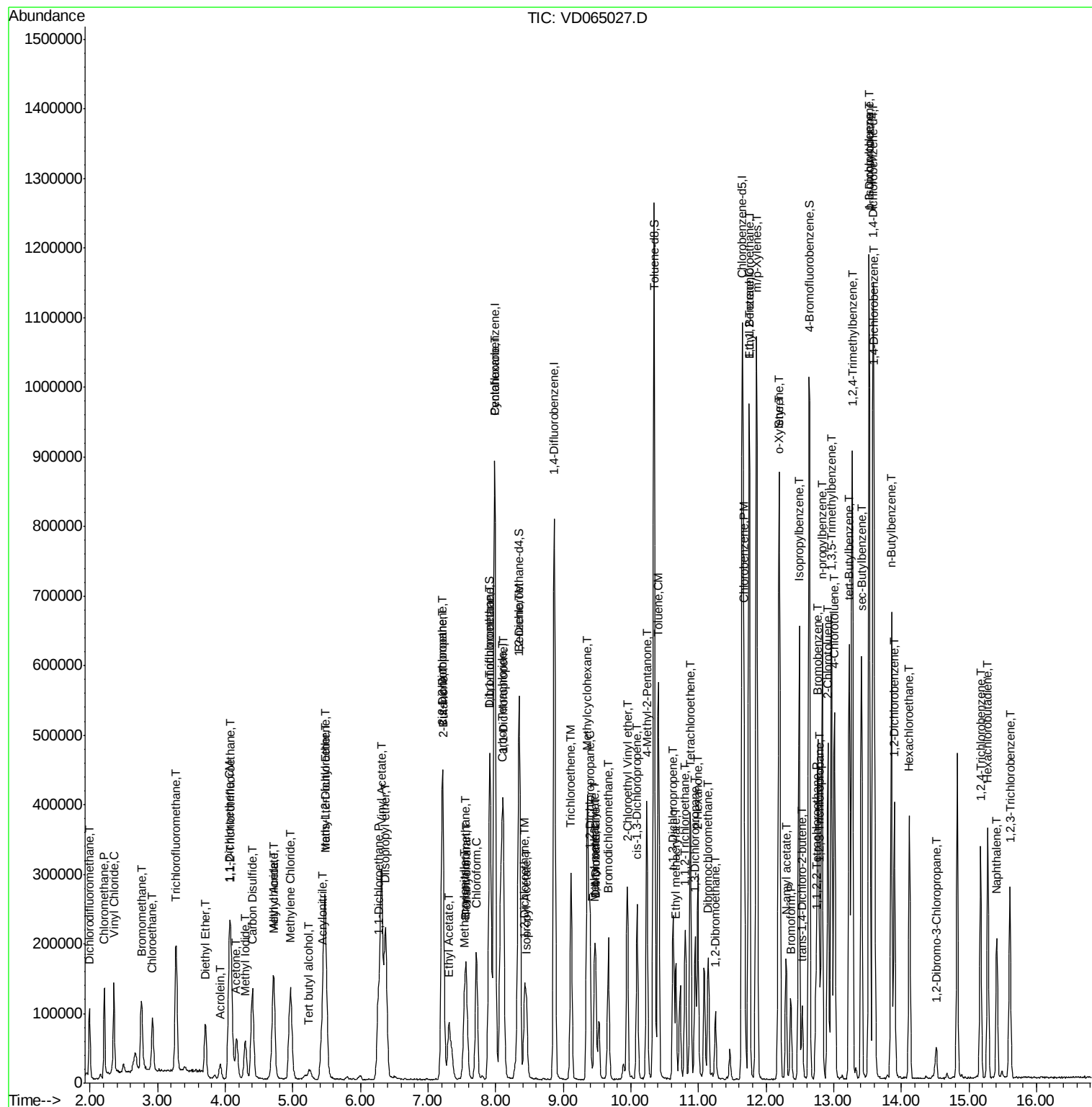
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Data File : VD065027.D
Acq On : 31 Jan 2020 12:01
Operator : VA/SY
Sample : VD0131SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

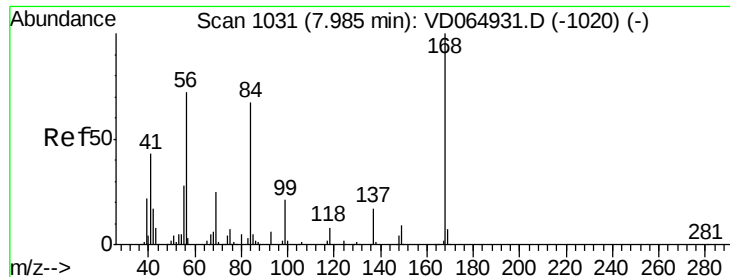
Instrument :
MSVOA_D
Client Sample Id :
VD0131SBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion:168 Resp: 467676

Ion Ratio Lower Upper

168 100

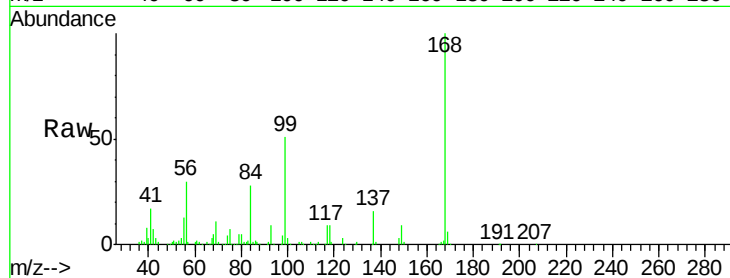
99 50.8 43.3 64.9

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

250000

200000

150000

100000

50000

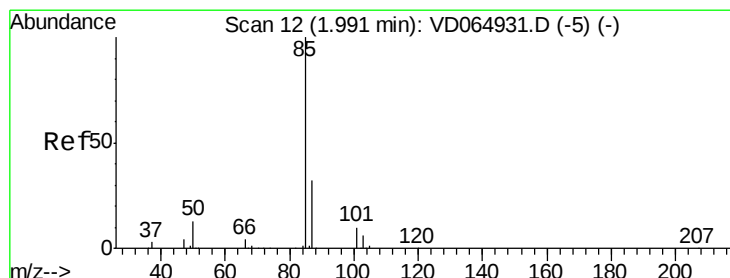
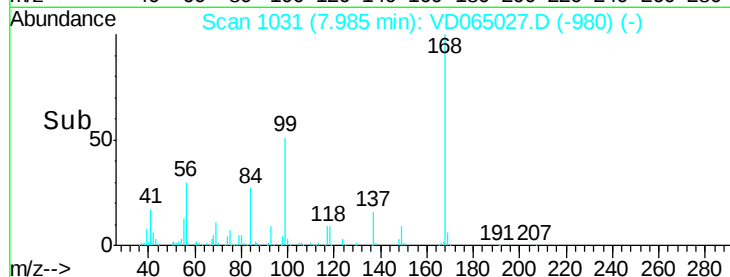
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.054 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065027.D

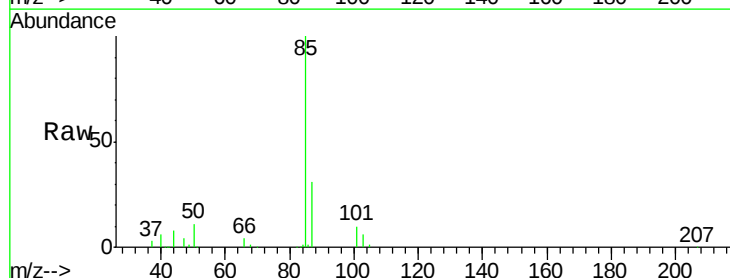
Acq: 31 Jan 2020 12:01

Tgt Ion: 85 Resp: 74177

Ion Ratio Lower Upper

85 100

87 30.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

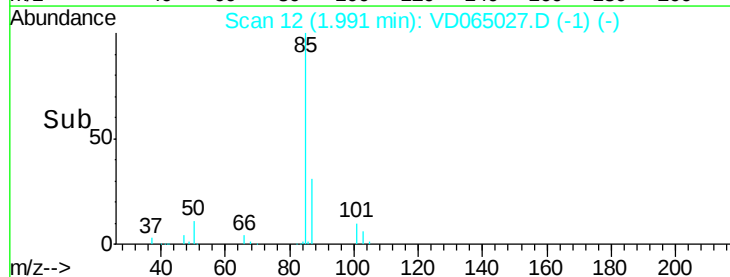
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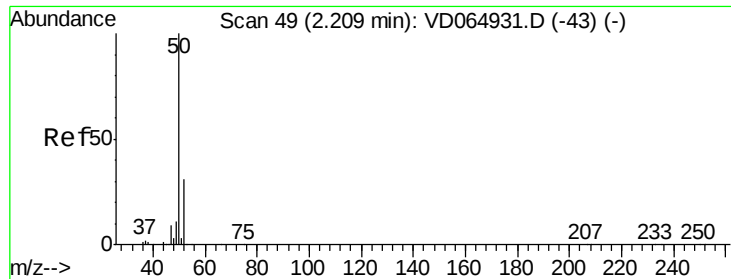
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 20.767 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion: 50 Resp: 107238

Ion Ratio Lower Upper

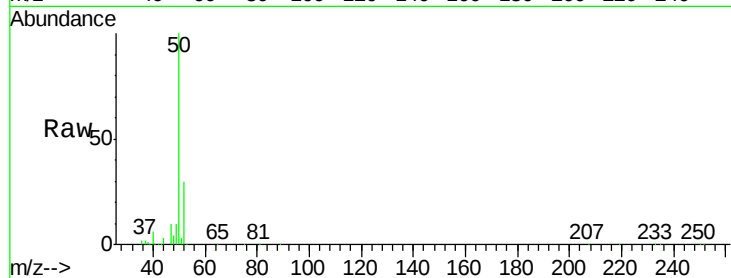
50 100

52 29.8 24.6 36.8

Manual Integrations
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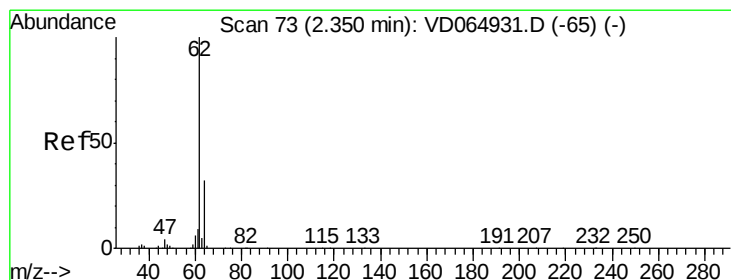
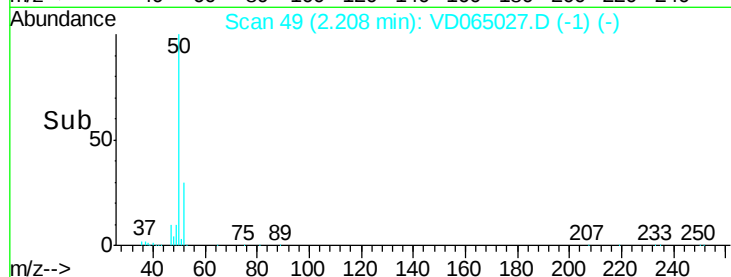
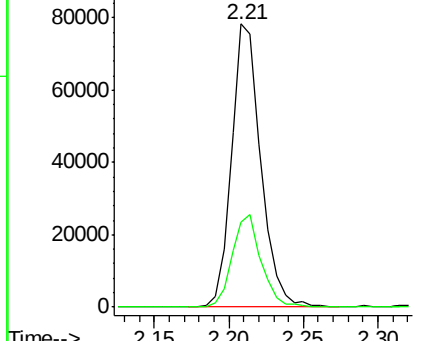
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.276 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065027.D

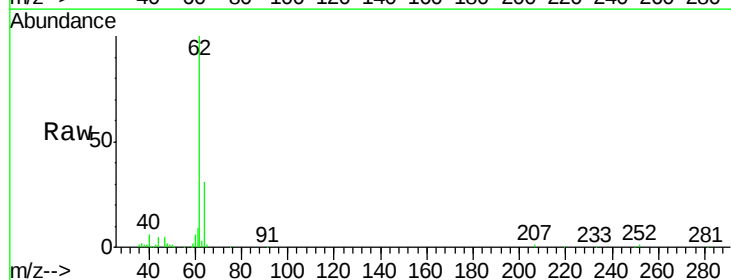
Acq: 31 Jan 2020 12:01

Tgt Ion: 62 Resp: 120251

Ion Ratio Lower Upper

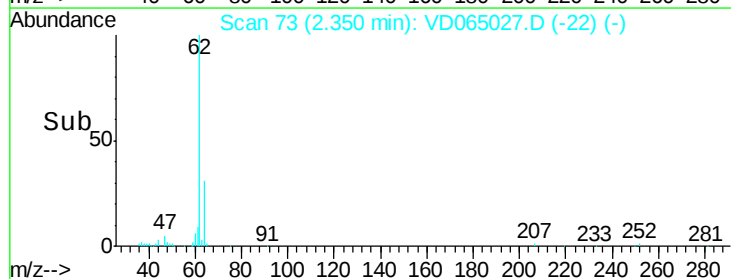
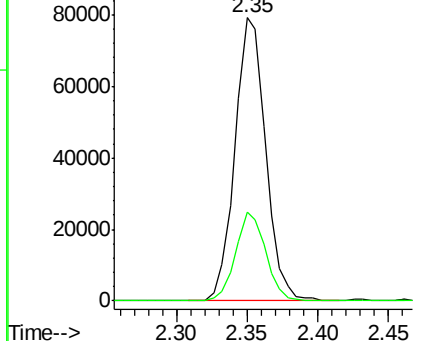
62 100

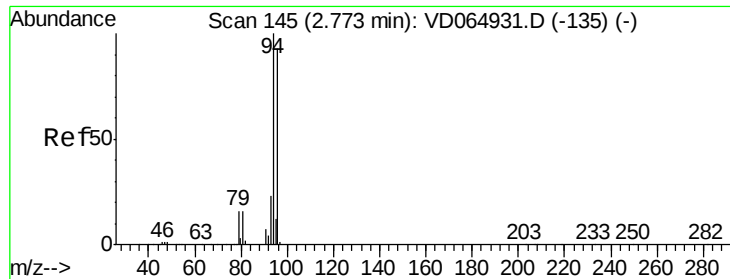
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.129 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion: 94 Resp: 80306

Ion Ratio Lower Upper

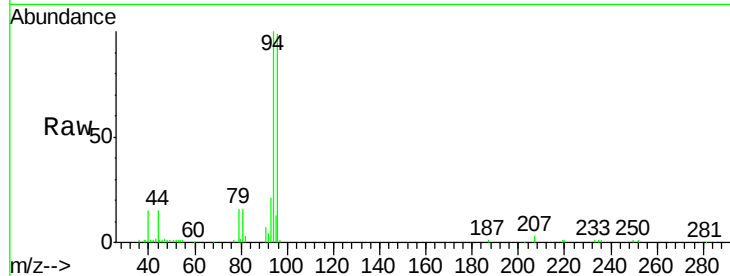
94 100

96 98.8 74.6 111.8

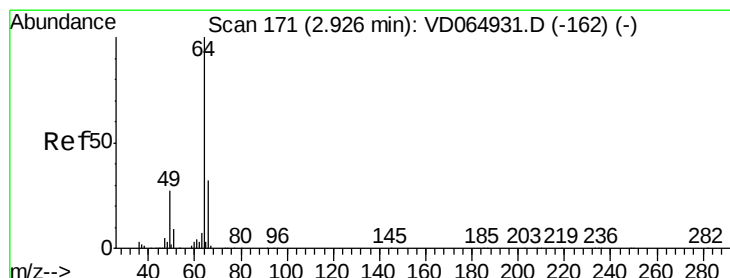
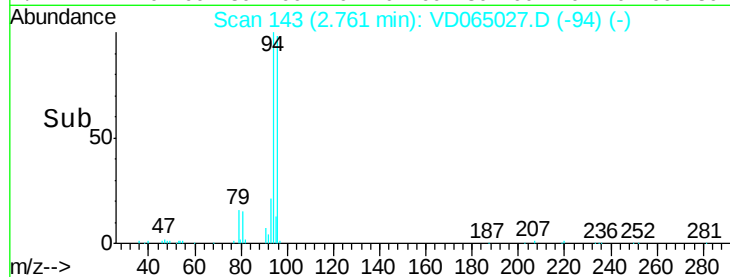
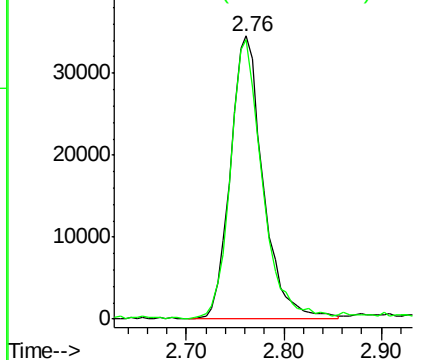
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.084 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065027.D

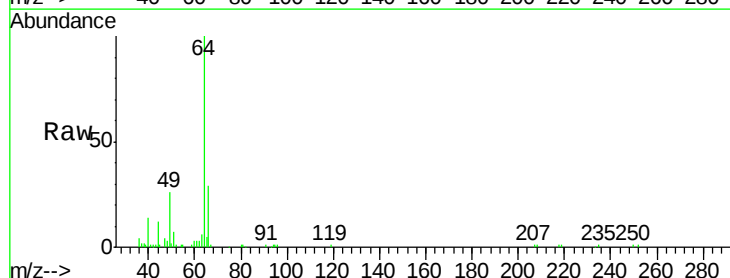
Acq: 31 Jan 2020 12:01

Tgt Ion: 64 Resp: 78527

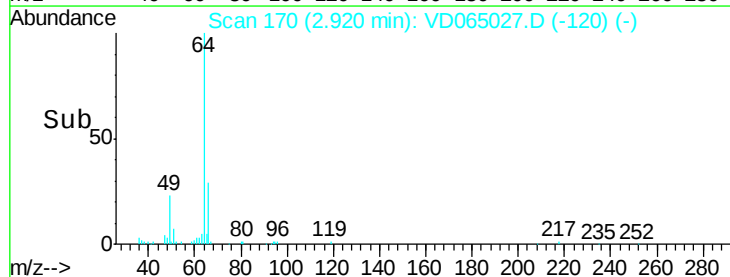
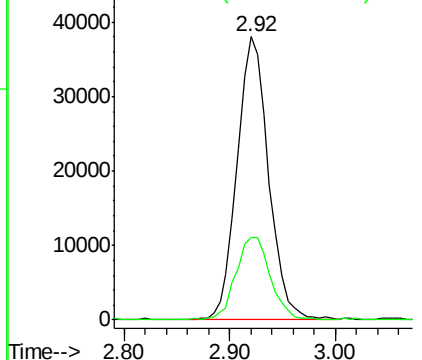
Ion Ratio Lower Upper

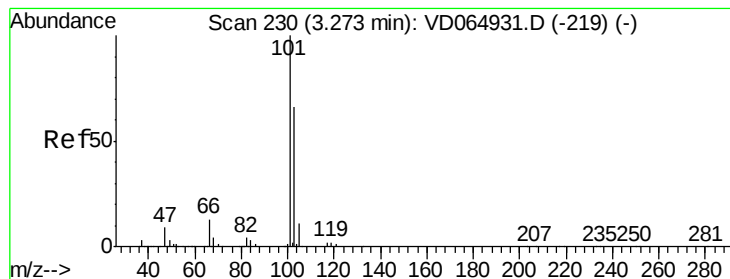
64 100

66 29.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

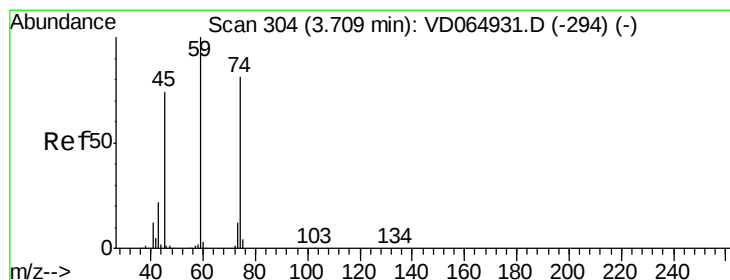
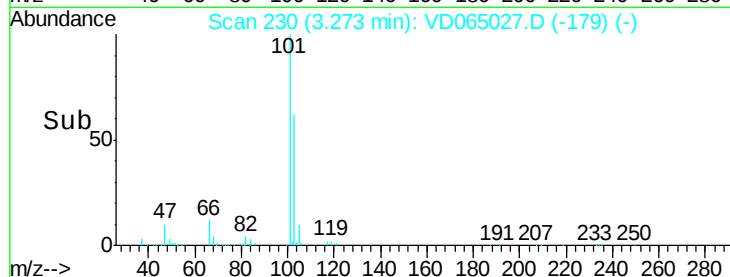
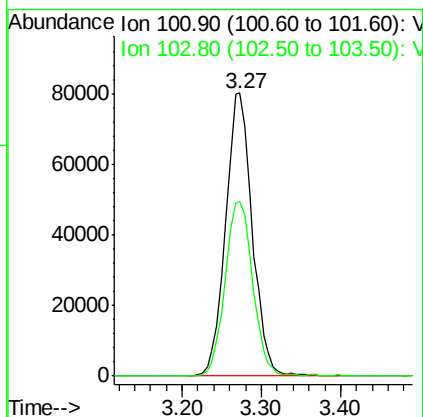
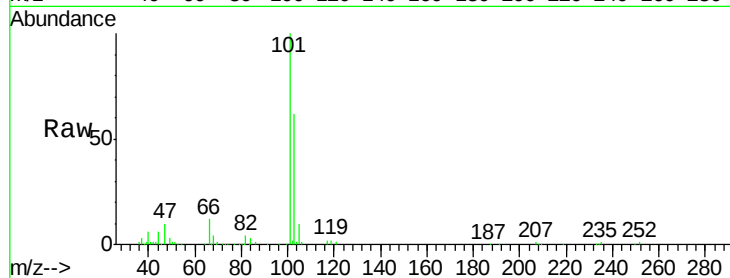
Trichlorofluoromethane
 Concen: 20.358 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
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 ClientSampleId :
 VD0131SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.5	78.7

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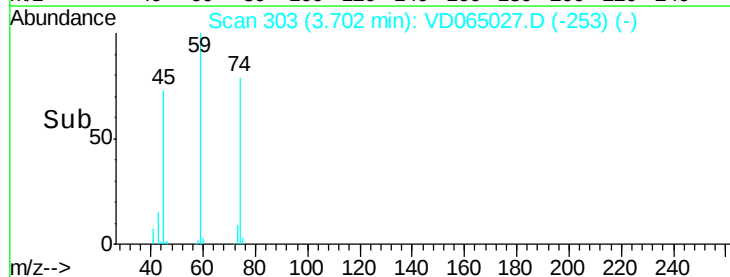
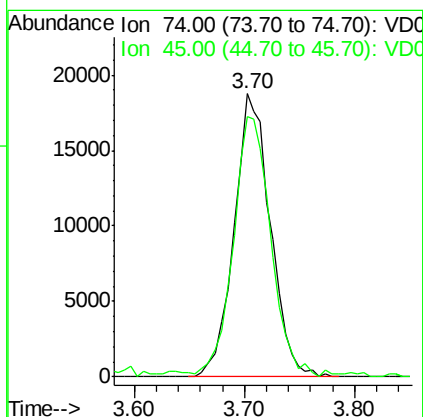
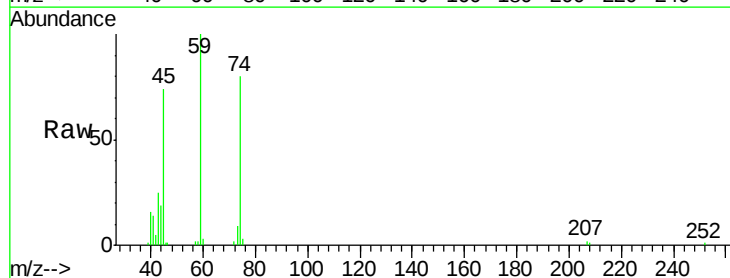
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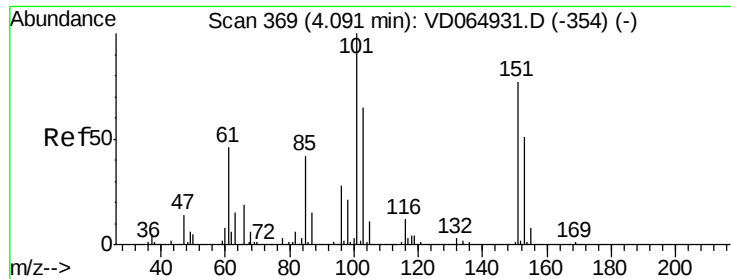


#8

Diethyl Ether
 Concen: 20.847 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.005 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

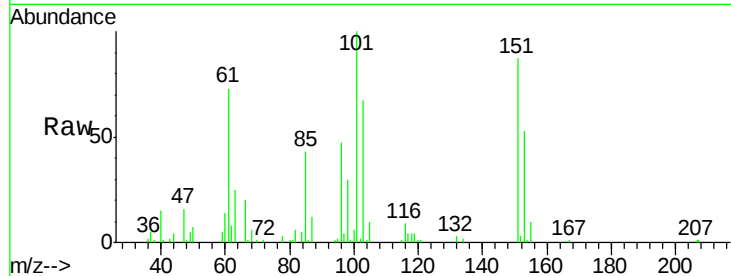
ClientSampleId :

VD0131SBS01

Tot Ion:	101	Resp:	93774
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.0	52.4
151	78.0	64.6	96.8

Manual Integrations
APPROVED

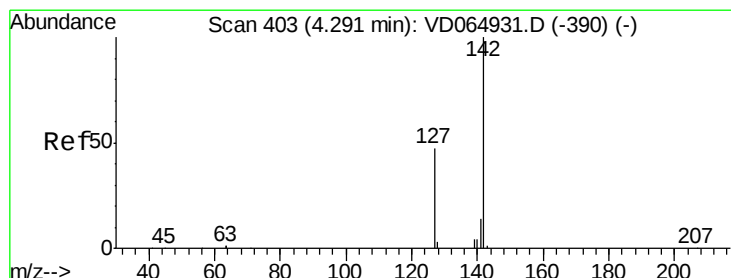
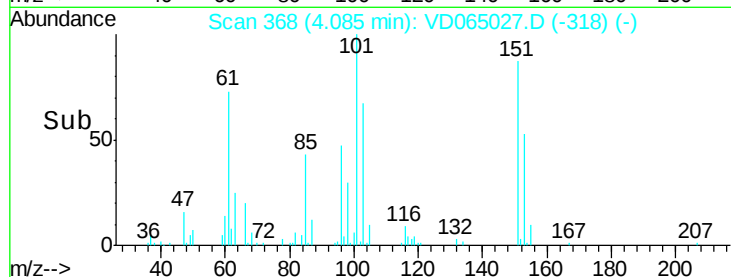
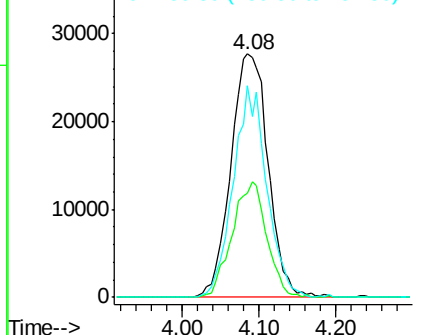
MMDadoda
2/3/2020 10:52:28 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.584 ug/l

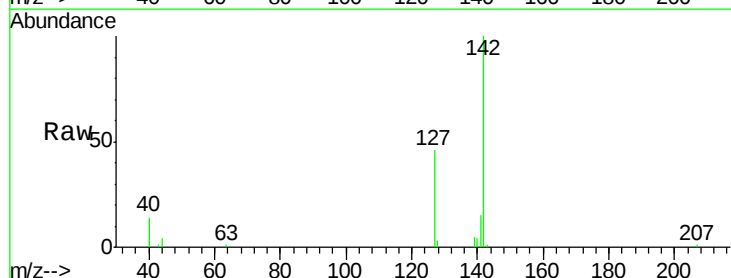
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

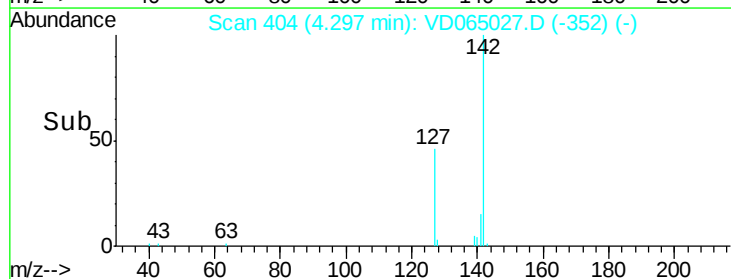
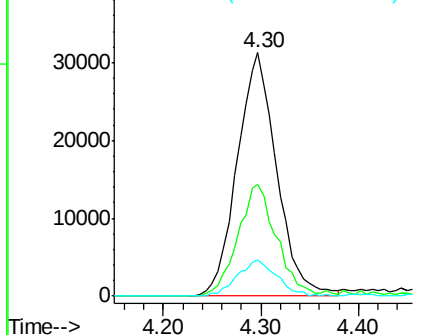
Tgt Ion:	142	Resp:	88585
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.2	54.2
141	14.7	11.6	17.4

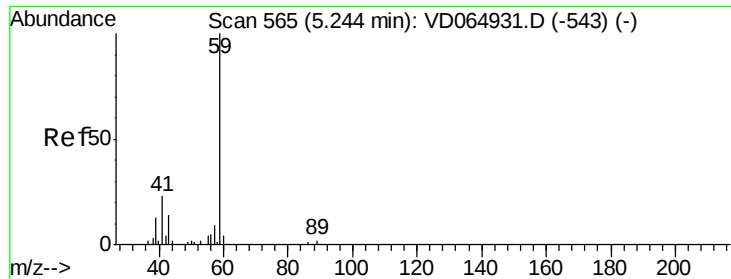


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

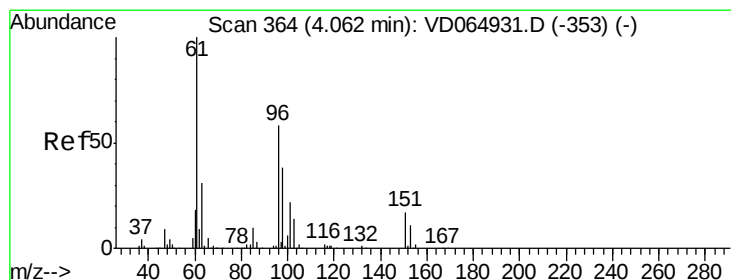
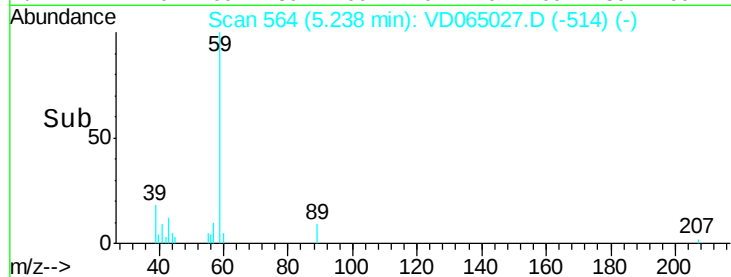
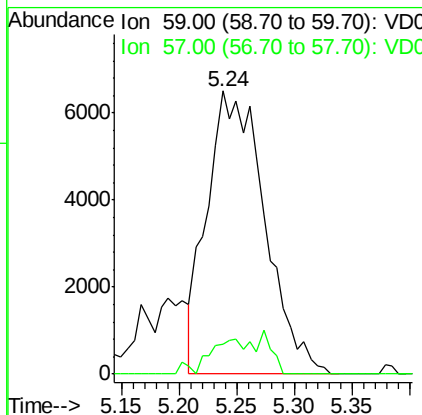
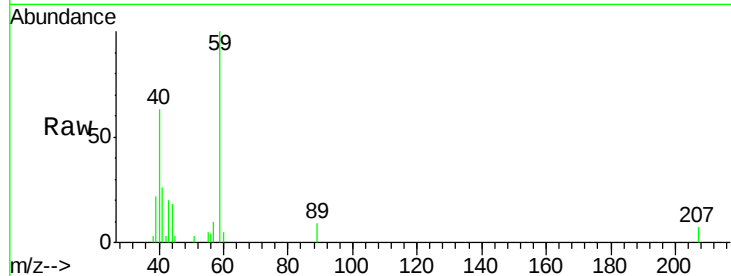
Tert butyl alcohol
Concen: 90.843 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleID :
VD0131SBS01

Tot Ion	59.00	Resp	22520
Ion Ratio	100	Lower	Upper
59	100		
57	7.5	7.7	11.5#

Manual Integrations
APPROVED

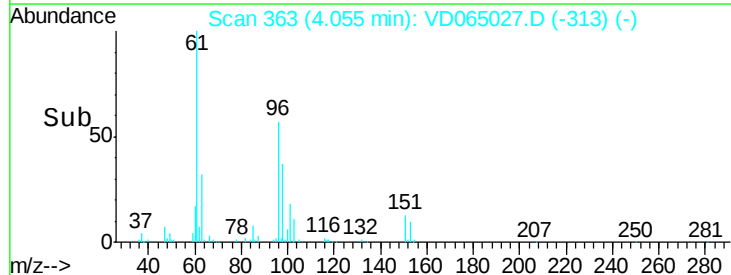
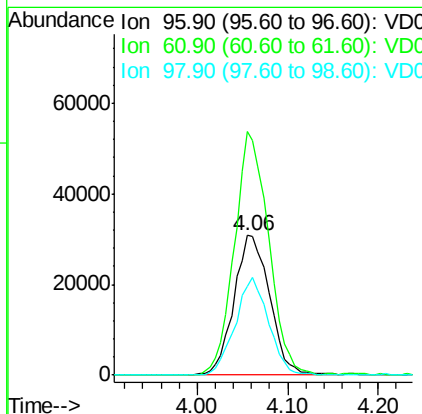
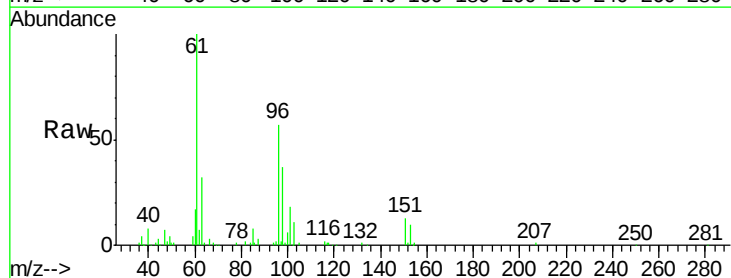
MMDadoda
2/3/2020 10:52:28 AM

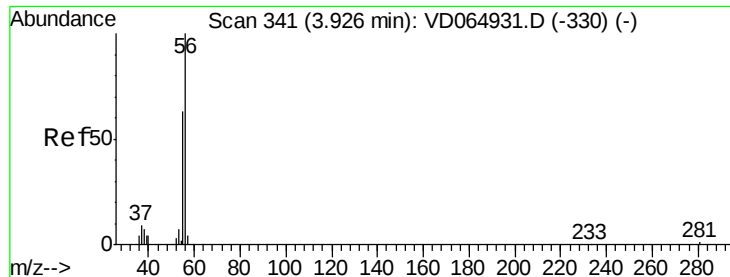


#12

1,1-Dichloroethene
Concen: 20.761 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	96	Resp	84520
Ion Ratio	100	Lower	Upper
96	100		
61	174.6	137.0	205.4
98	63.7	52.1	78.1





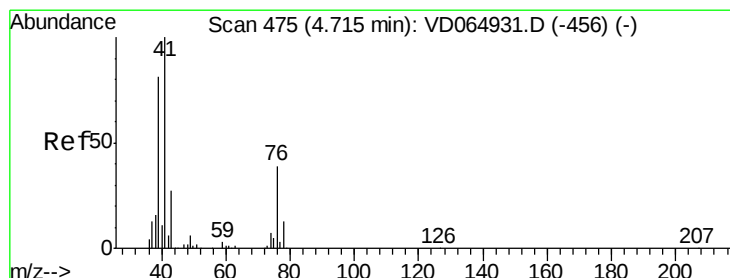
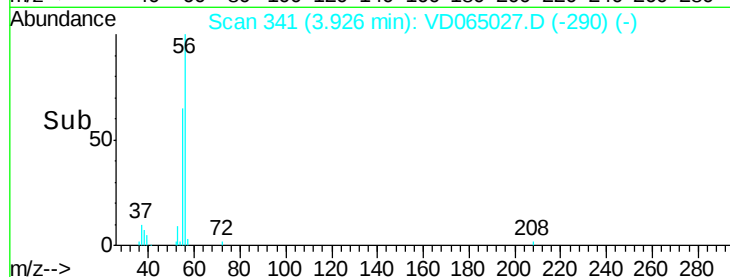
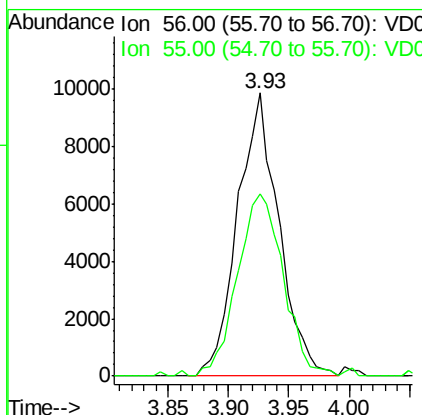
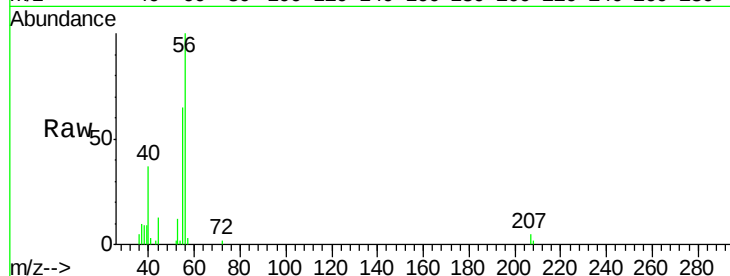
#13
Acrolein
Concen: 75.561 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion	56	Resp	23482
Ion Ratio	100	Lower	Upper
55	71.7	59.7	89.5

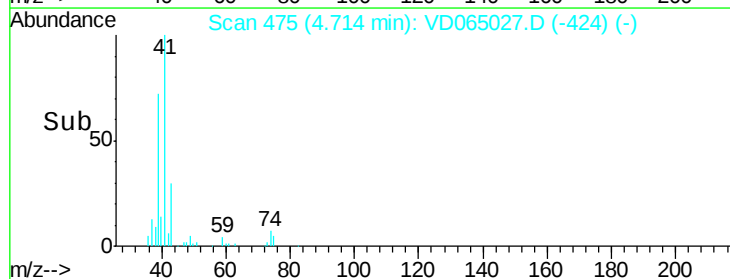
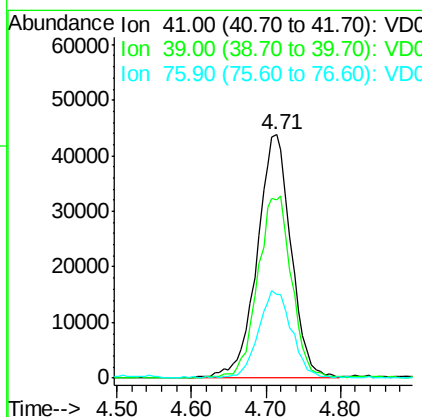
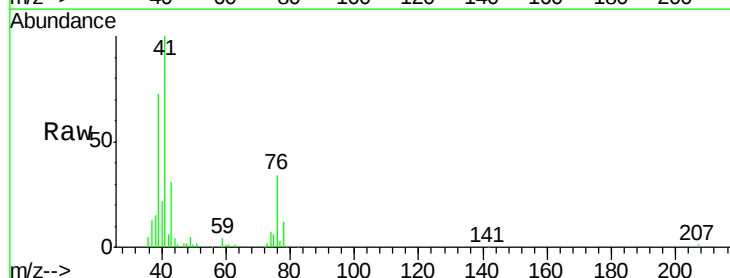
Manual Integrations
APPROVED

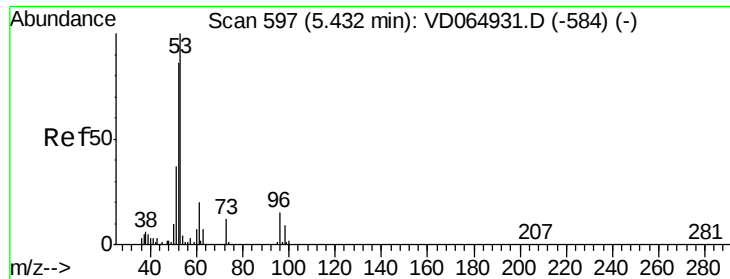
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#14
Allyl chloride
Concen: 21.253 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	41	Resp	137994
Ion Ratio	100	Lower	Upper
39	74.8	62.0	93.0
76	35.4	29.3	43.9





#15

Acrylonitrile

Concen: 104.574 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

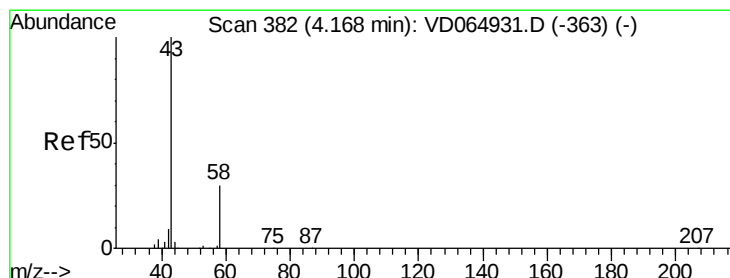
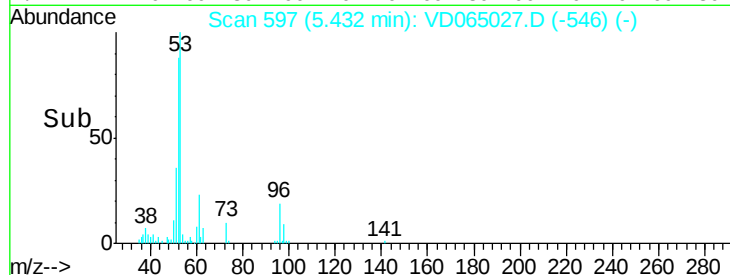
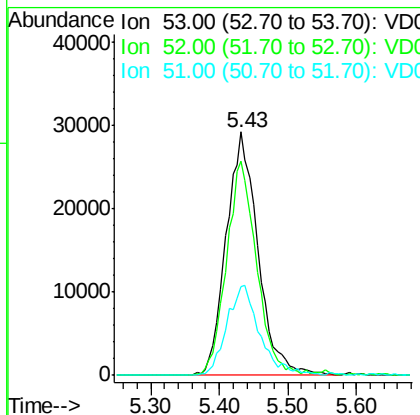
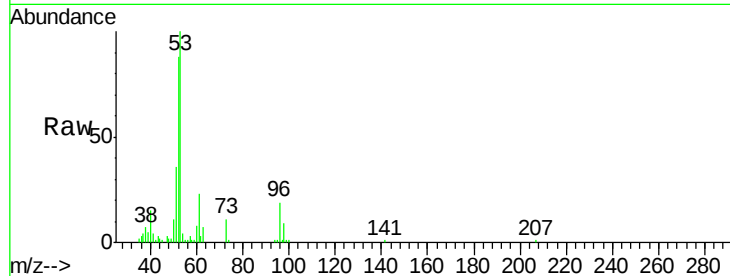
ClientSampleID :

VD0131SBS01

Tot Ion:	53	Resp:	93638
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	37.9	31.1	46.7

Manual Integrations
APPROVED

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2/3/2020 10:52:28 AM



#16

Acetone

Concen: 94.080 ug/l

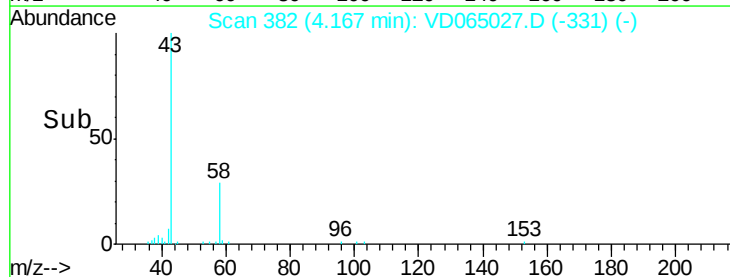
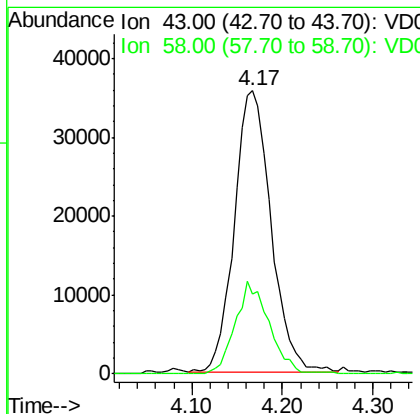
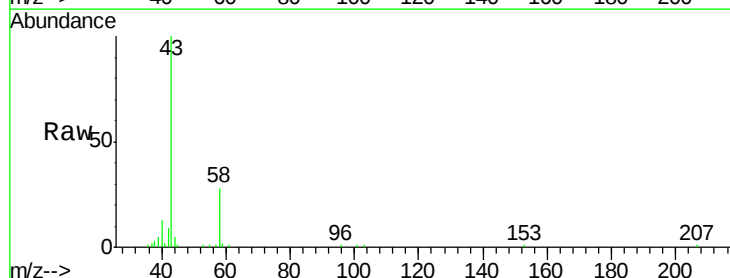
RT: 4.17 min Scan# 382

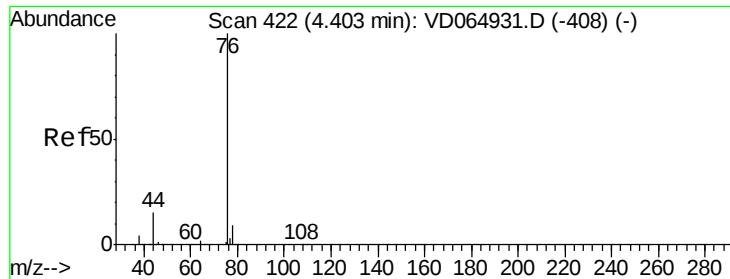
Delta R.T. 0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion:	43	Resp:	101102
Ion Ratio	Lower	Upper	
43	100		
58	28.5	23.8	35.8





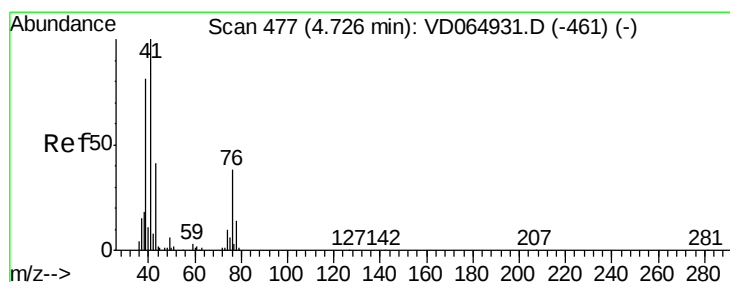
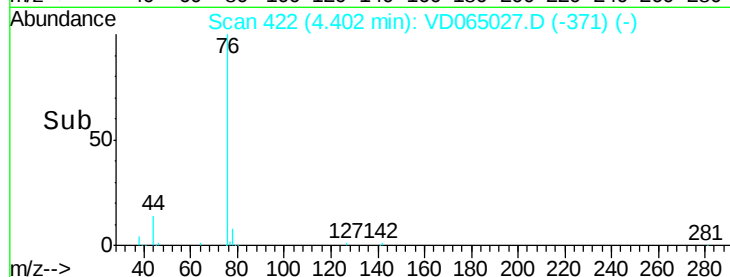
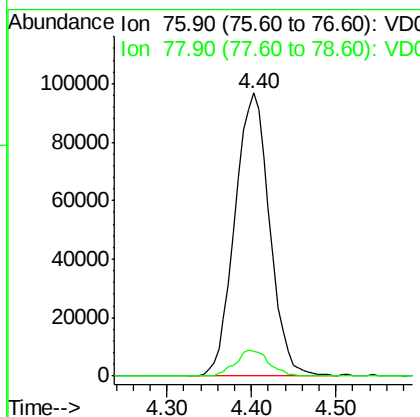
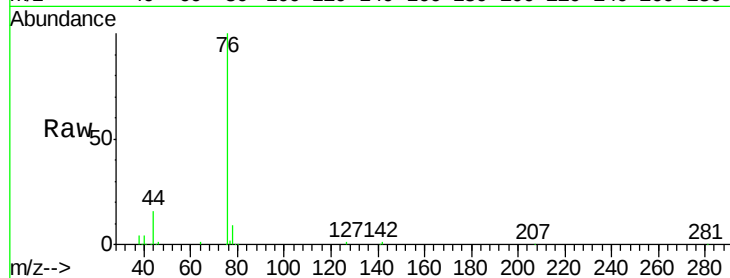
#17
Carbon Disulfide
Concen: 20.591 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

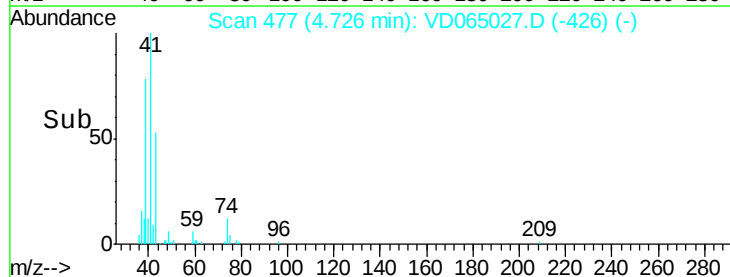
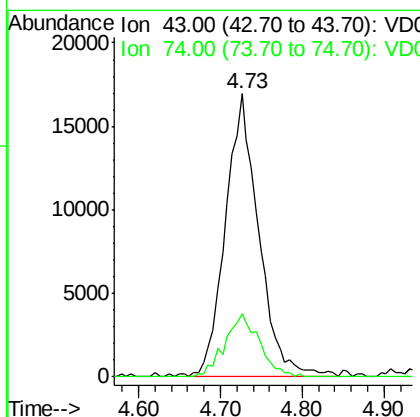
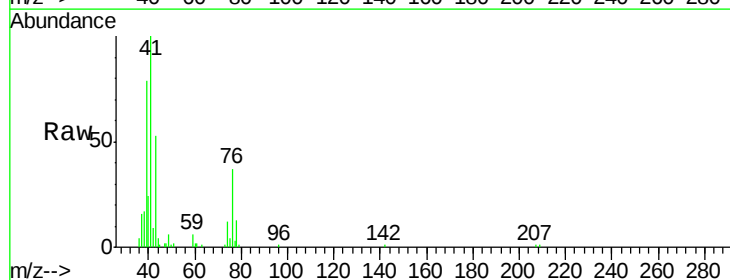
Manual Integrations
APPROVED

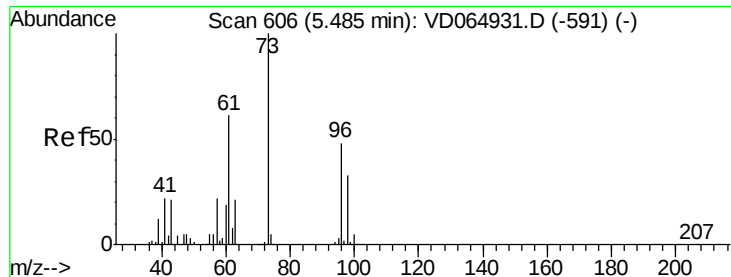
MMDadoda
2/3/2020 10:52:28 AM



#18
Methyl Acetate
Concen: 23.004 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.1	28.7





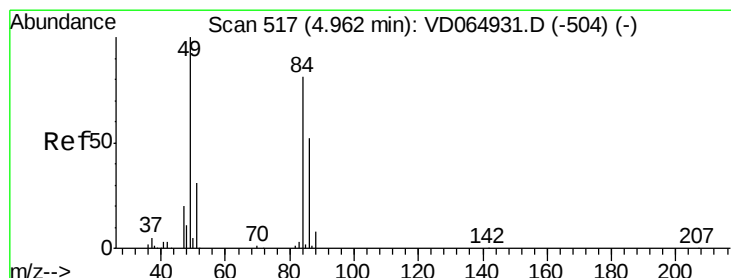
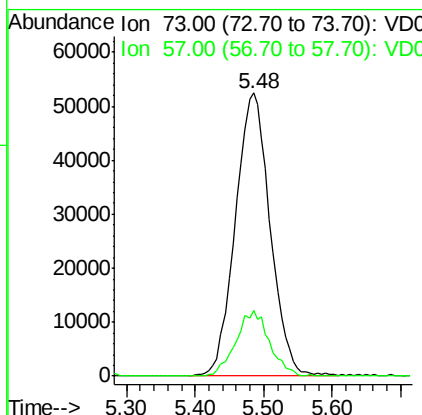
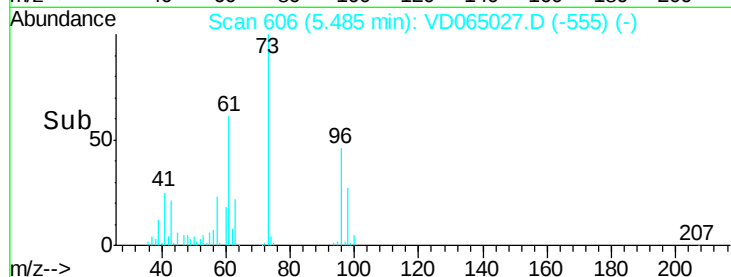
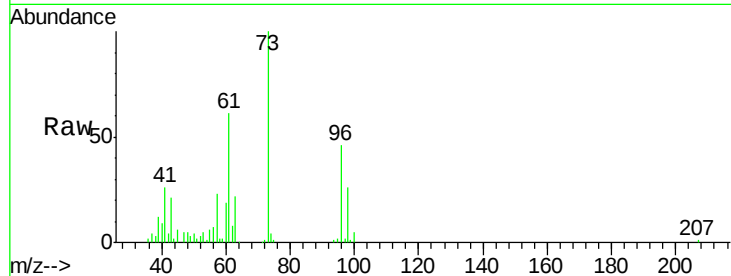
#19
Methyl tert-butyl Ether
Concen: 20.324 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion: 73 Resp: 184876
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9

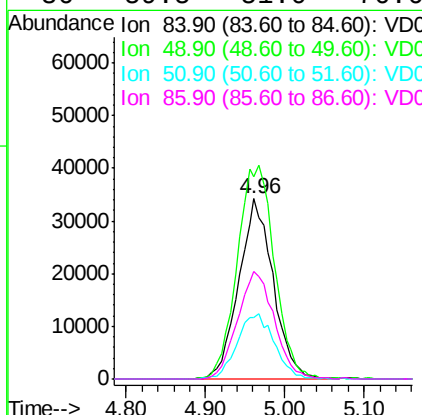
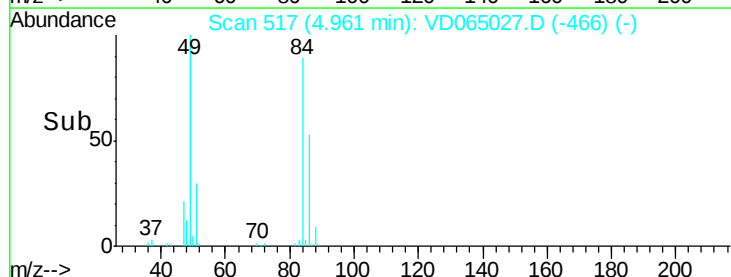
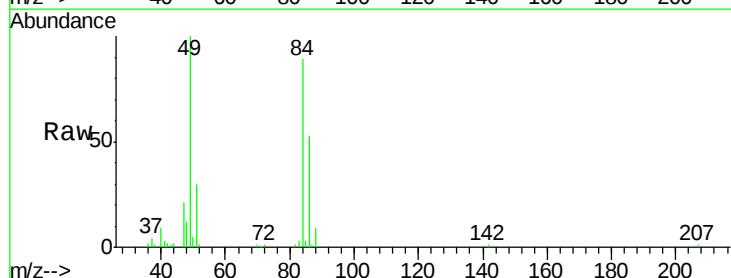
Manual Integrations
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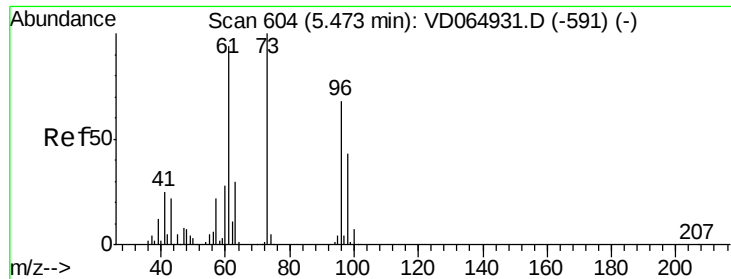
MMDadoda
2/3/2020 10:52:28 AM



#20
Methylene Chloride
Concen: 19.783 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 84 Resp: 103170
Ion Ratio Lower Upper
84 100
49 112.7 98.4 147.6
51 34.0 30.8 46.2
86 59.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.731 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

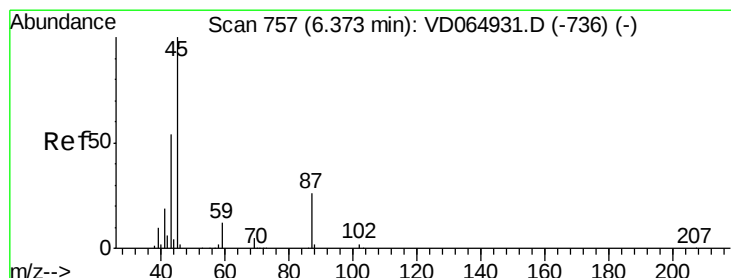
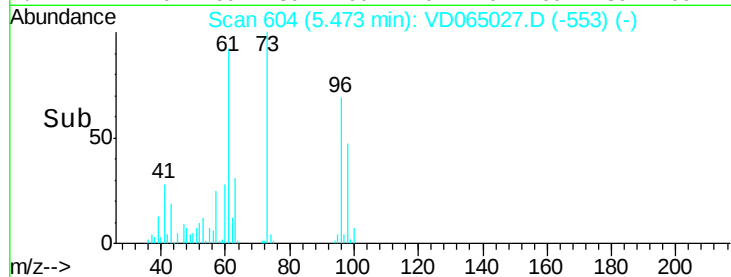
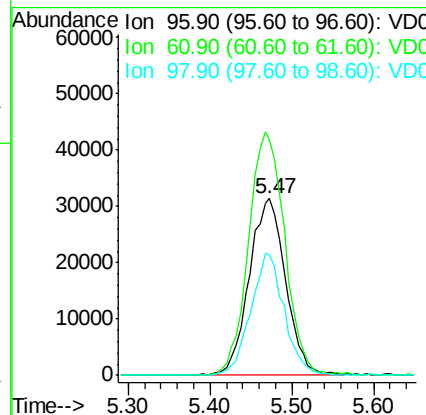
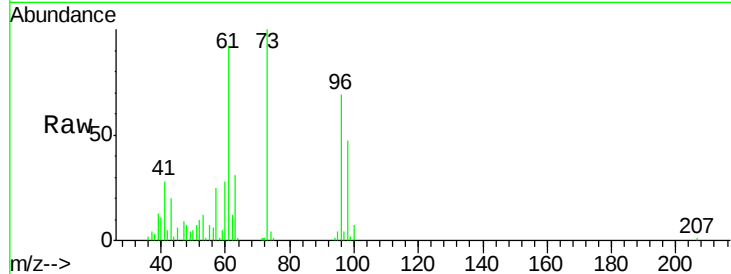
ClientSampleId :

VD0131SBS01

Tot Ion:	96	Resp:	97234
Ion	Ratio	Lower	Upper
96	100		
61	133.3	110.4	165.6
98	68.0	50.5	75.7

Manual Integrations
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2/3/2020 10:52:28 AM



#22

Diisopropyl ether

Concen: 21.394 ug/l

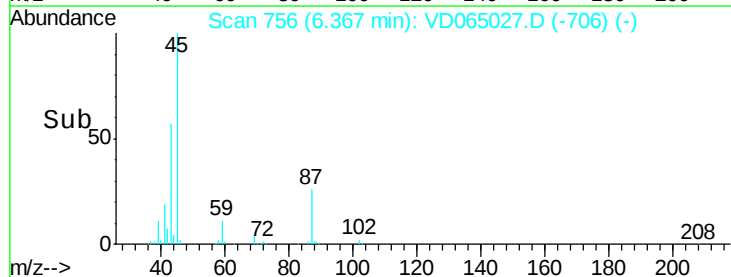
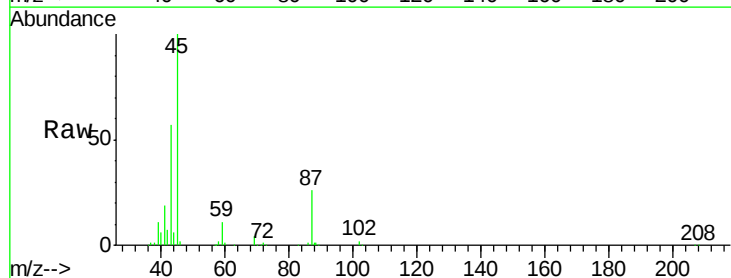
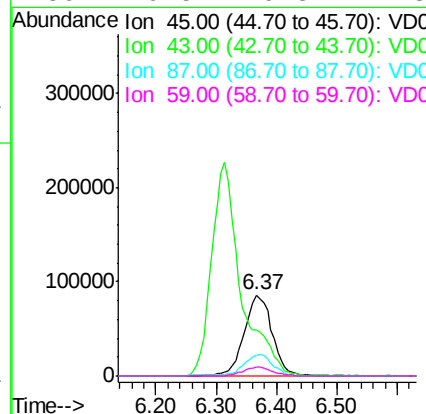
RT: 6.37 min Scan# 756

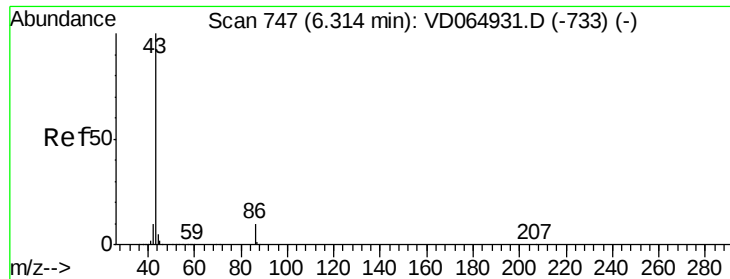
Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion:	45	Resp:	276829
Ion	Ratio	Lower	Upper
45	100		
43	55.9	43.1	64.7
87	25.8	21.4	32.2
59	10.5	9.5	14.3





#23

Vinyl Acetate

Concen: 100.725 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion: 43 Resp: 763104

Ion Ratio Lower Upper

43 100

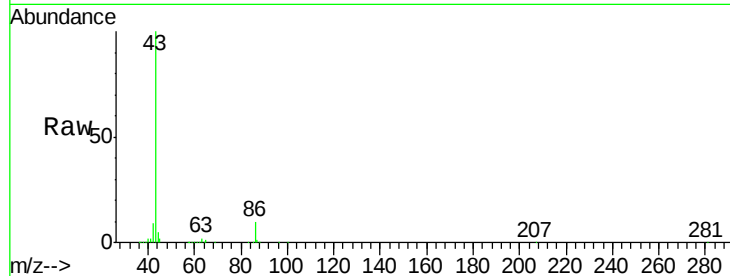
86 9.8 8.3 12.5

Manual Integrations

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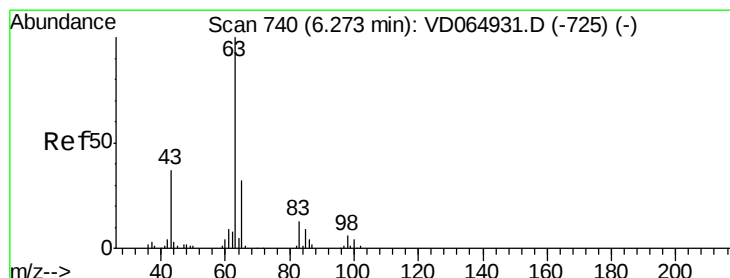
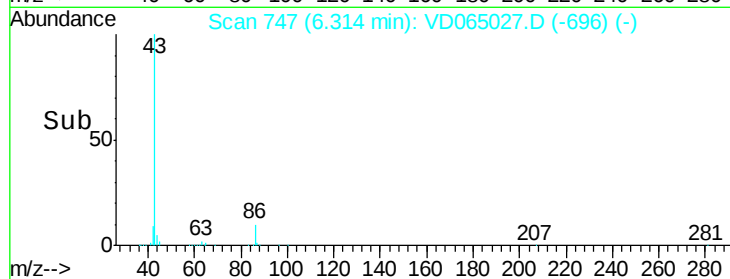
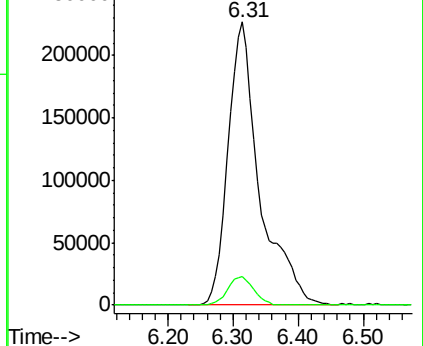
MMDadoda

2/3/2020 10:52:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.413 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

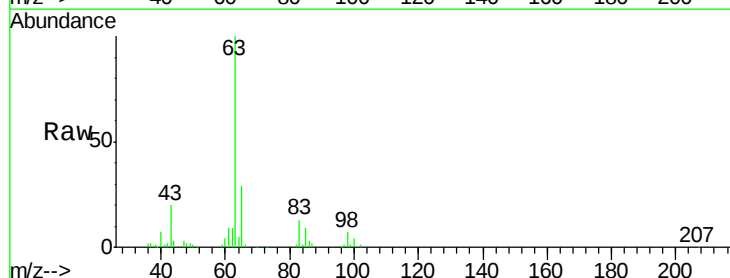
Tgt Ion: 63 Resp: 170123

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.3

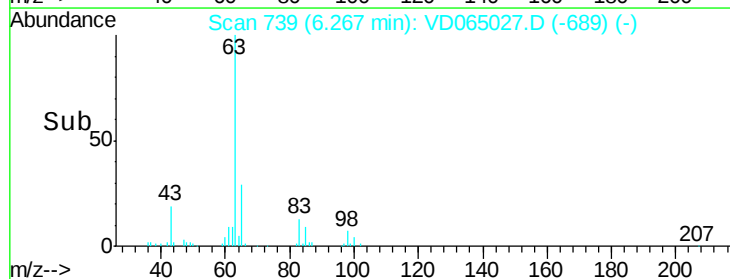
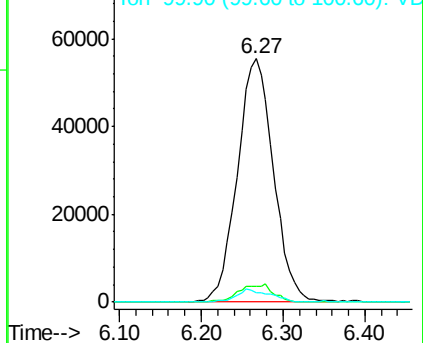
100 3.9 2.3 6.8

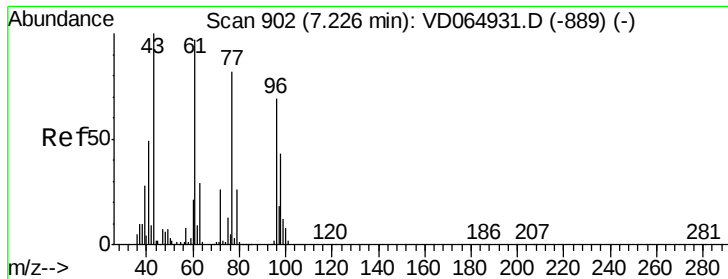


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.022 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion: 43 Resp: 124859

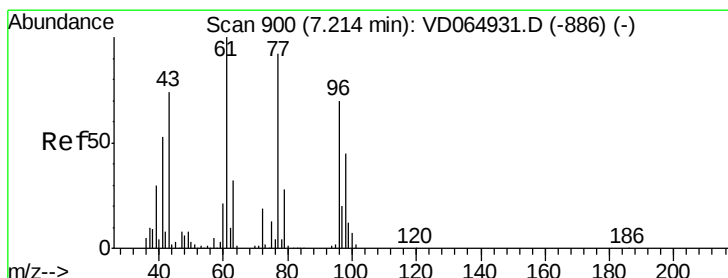
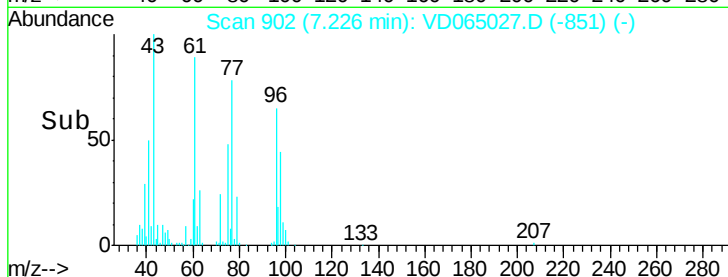
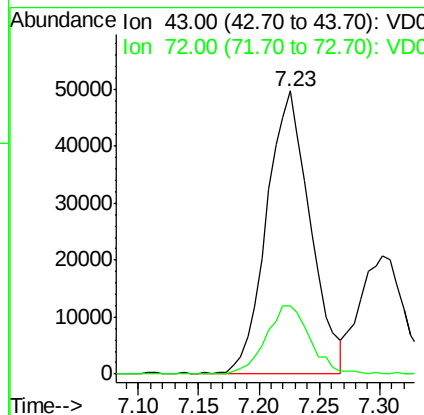
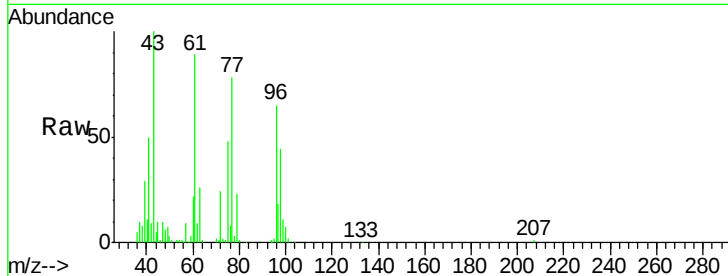
Ion Ratio Lower Upper

43 100

72 24.1 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 21.385 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065027.D

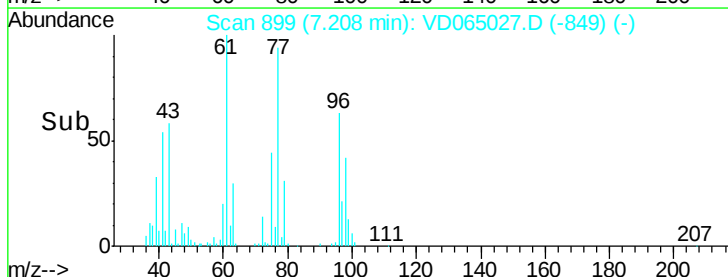
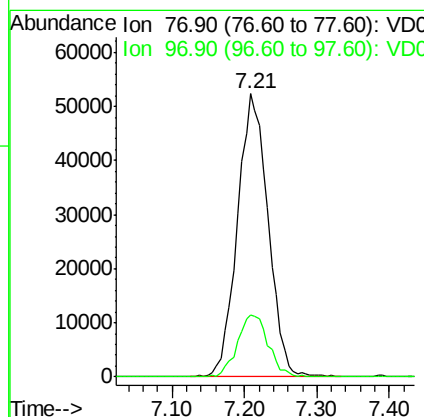
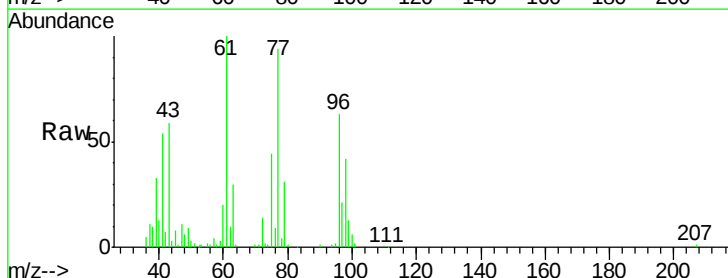
Acq: 31 Jan 2020 12:01

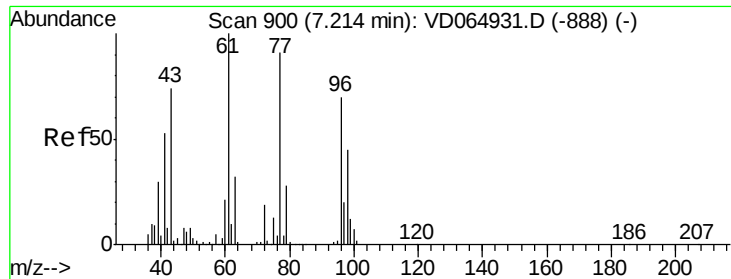
Tgt Ion: 77 Resp: 154105

Ion Ratio Lower Upper

77 100

97 21.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.765 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

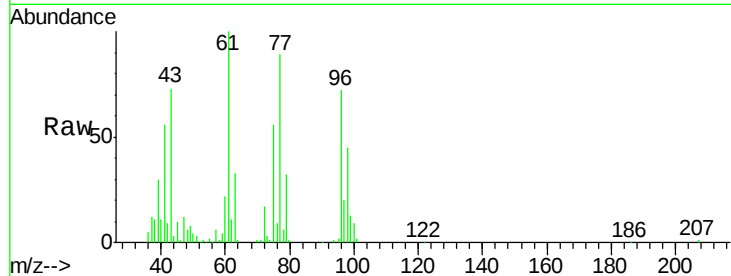
ClientSampleId :

VD0131SBS01

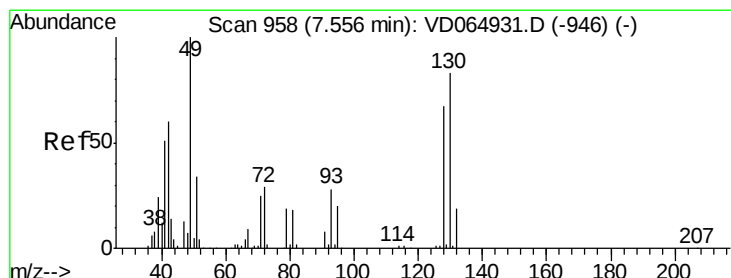
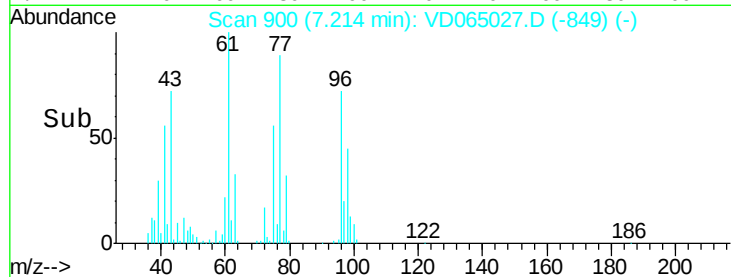
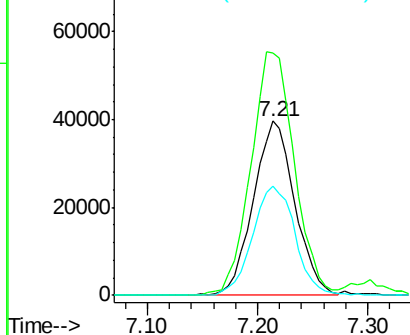
Tot Ion	96	Resp	103952
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	292.8
98	64.7	0.0	130.0

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 17.965 ug/l

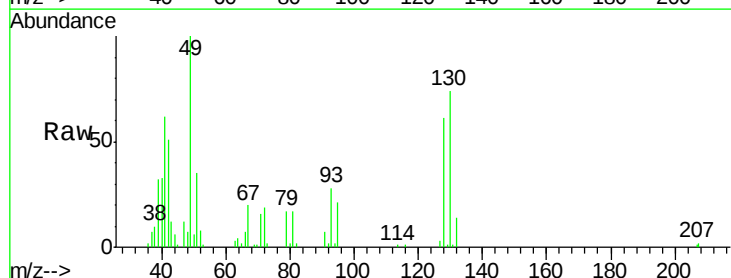
RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

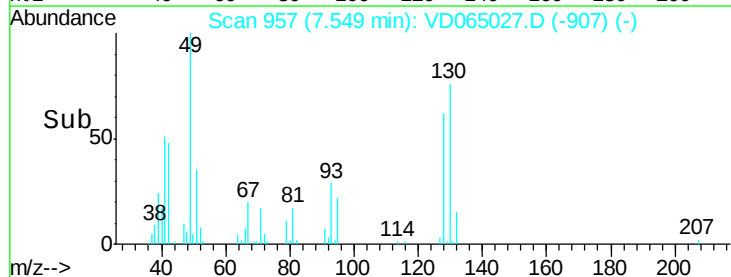
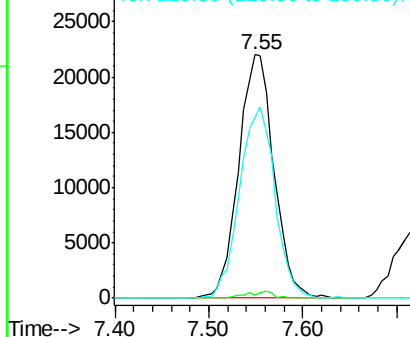
Lab File: VD065027.D

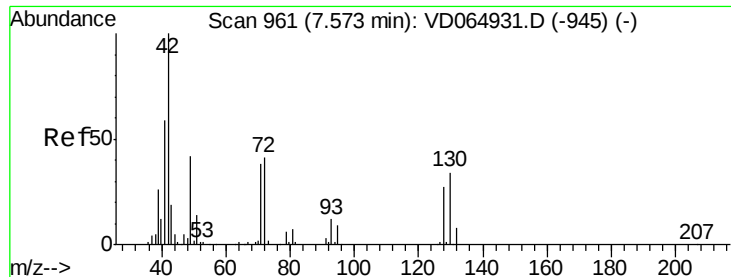
Acq: 31 Jan 2020 12:01

Tgt Ion	49	Resp	57082
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	79.0	63.8	95.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





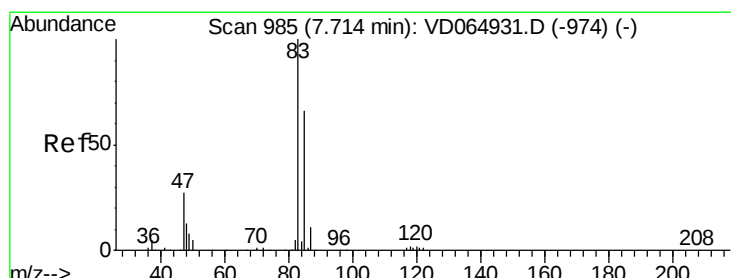
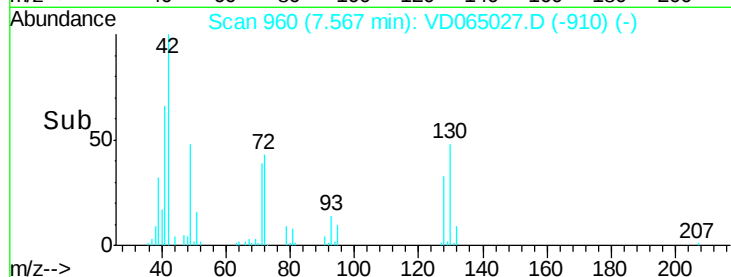
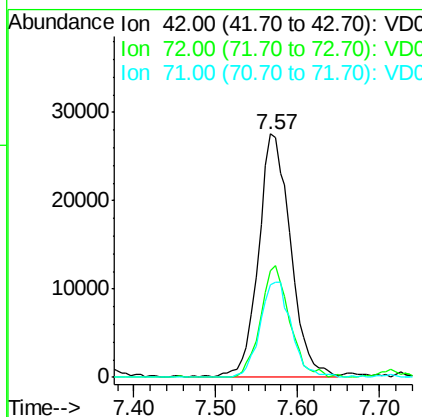
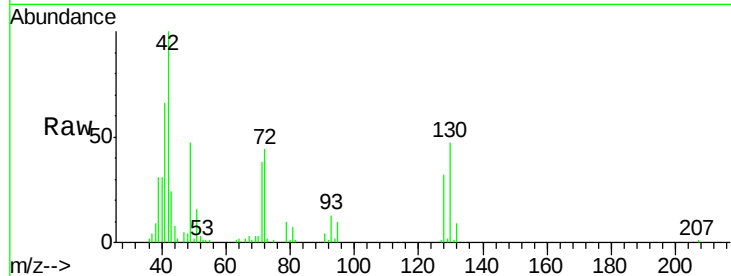
#29
Tetrahydrofuran
Concen: 100.912 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.0	51.0
71	38.0	31.5	47.3

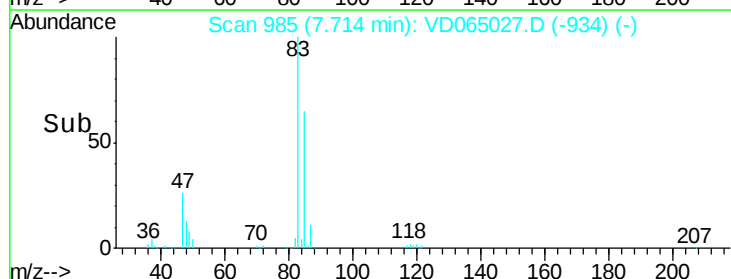
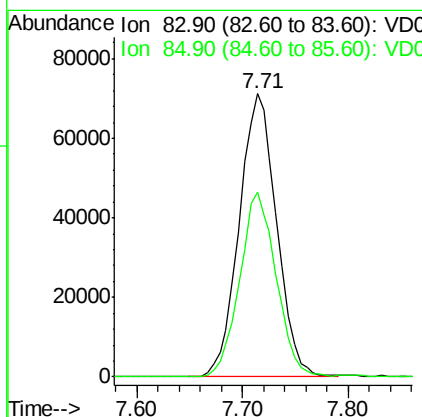
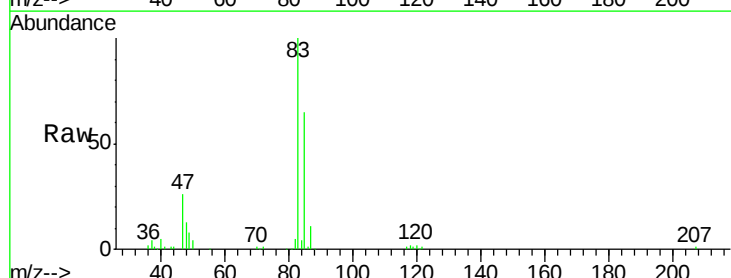
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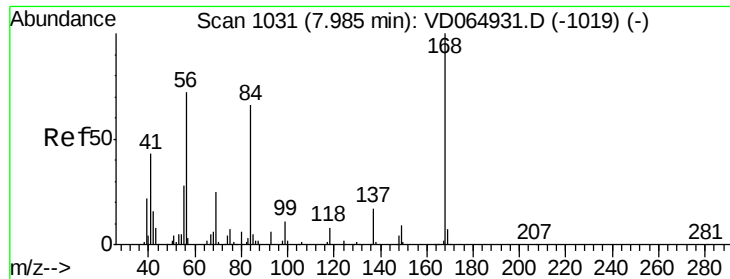
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#30
Chloroform
Concen: 21.269 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





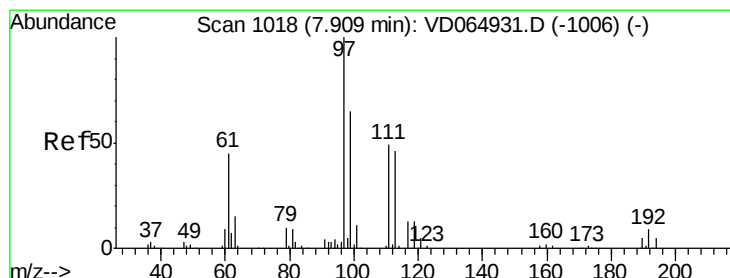
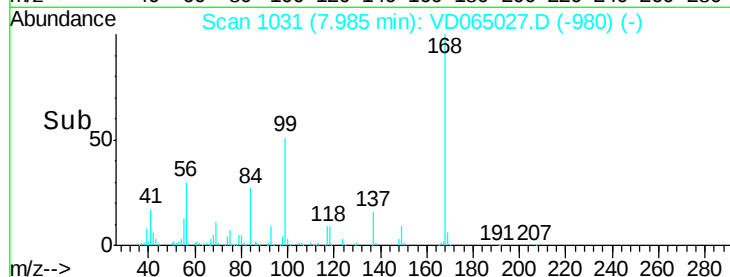
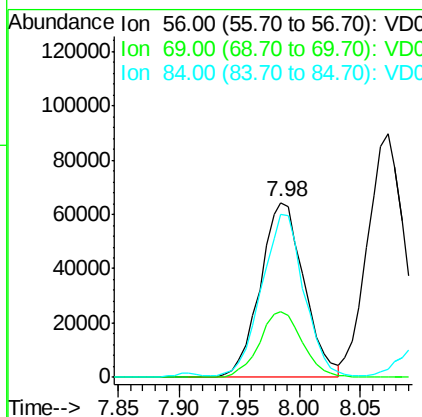
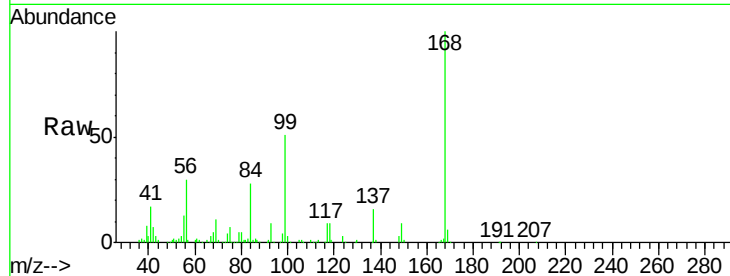
#31
Cyclohexane
Concen: 20.770 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	27.9	41.9
84	90.7	72.8	109.2

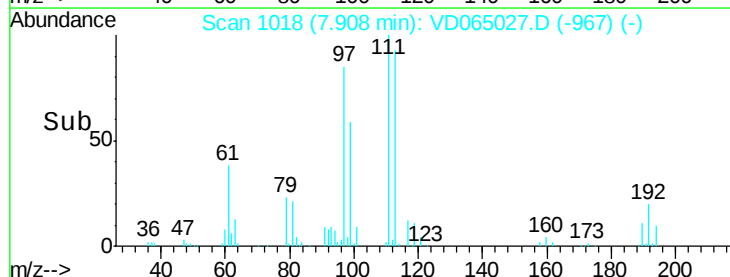
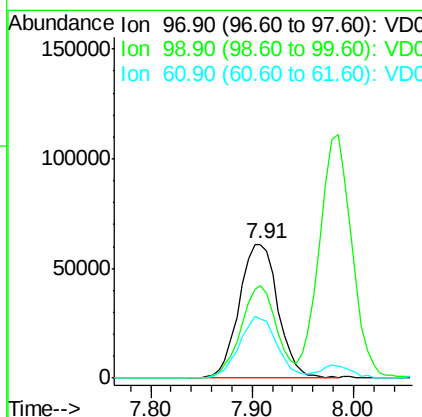
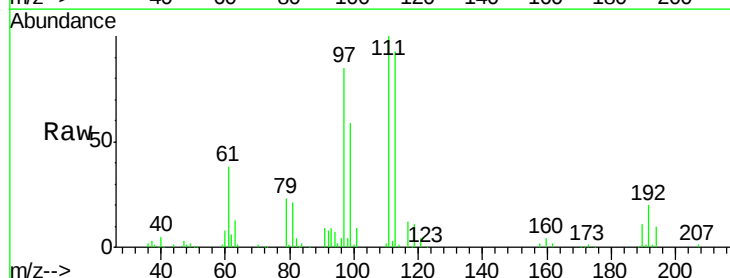
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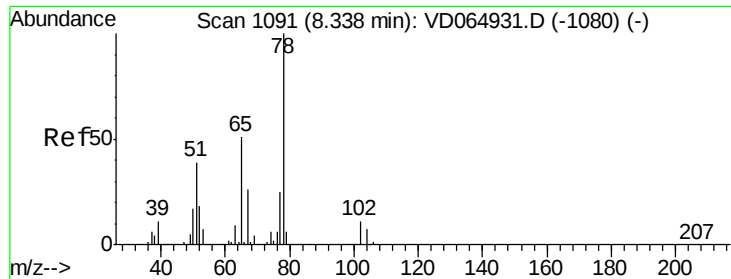
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#32
1,1,1-Trichloroethane
Concen: 21.191 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	76.0
61	44.9	35.7	53.5





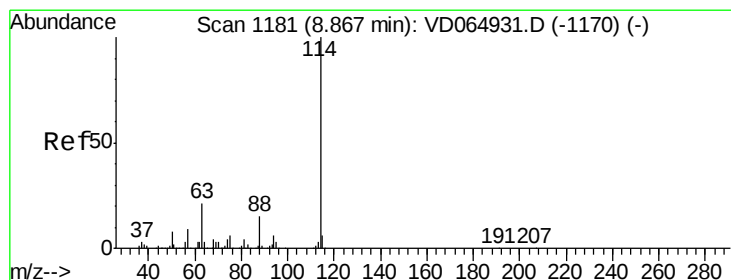
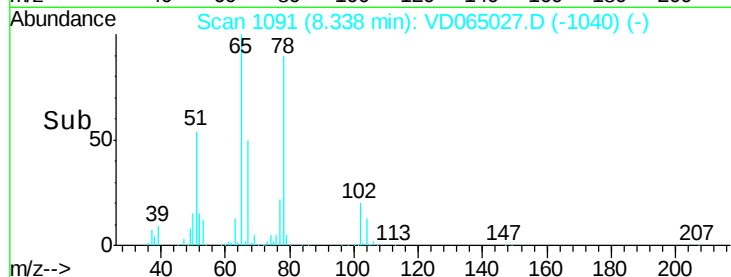
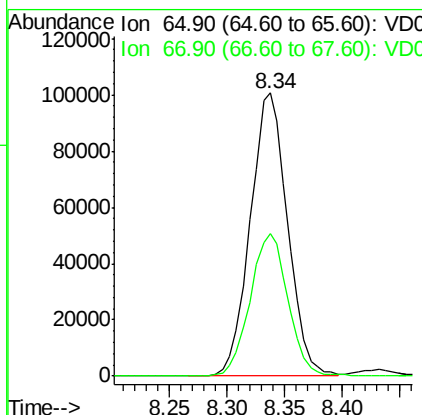
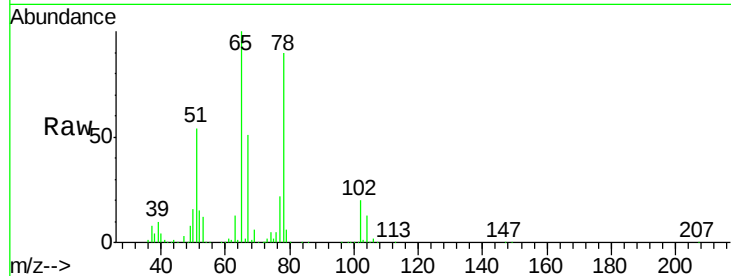
#33
 1,2-Dichloroethane-d4
 Concen: 50.496 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	226525		
67	51.2	0.0	103.6	

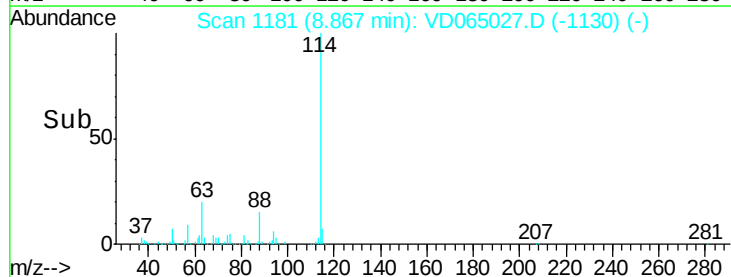
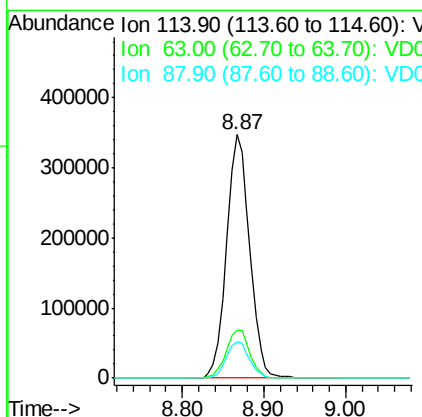
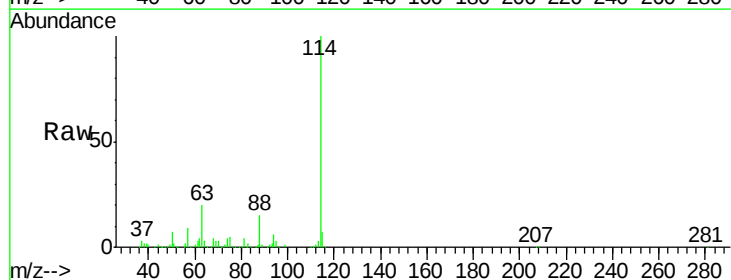
Manual Integrations
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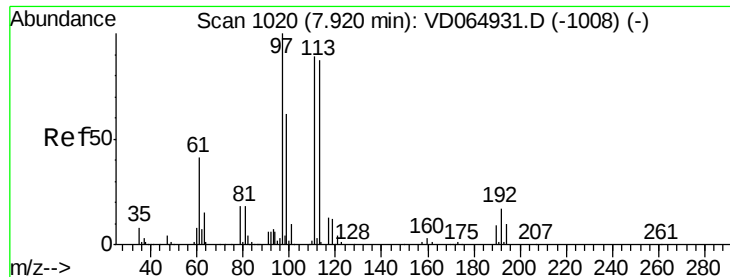
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 2/3/2020 10:52:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	681348		
63	19.7	0.0	42.0	
88	14.7	0.0	29.4	





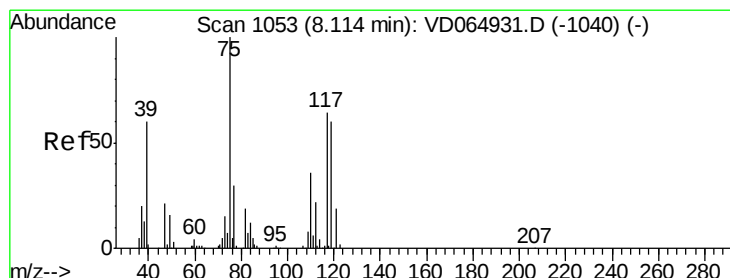
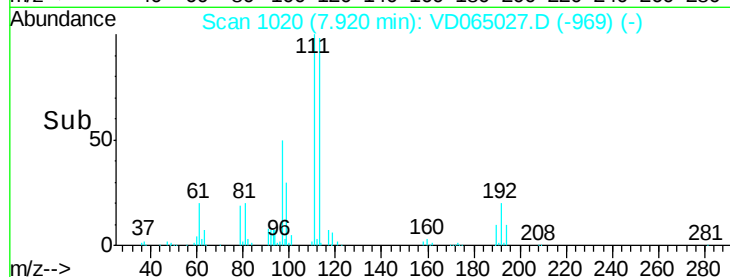
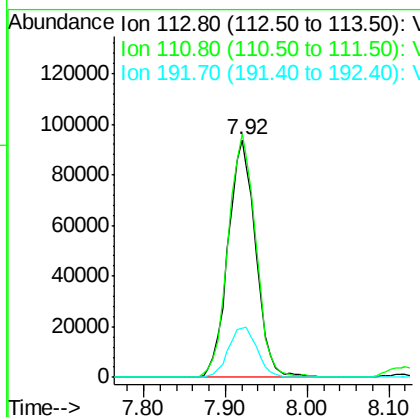
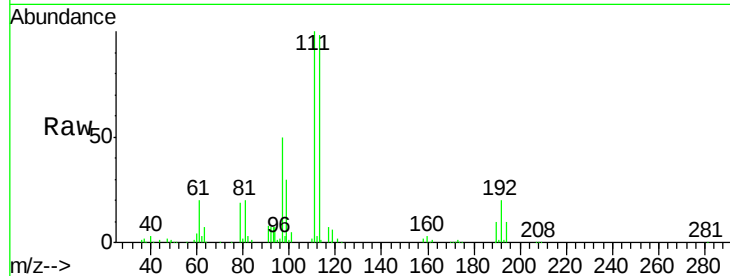
#35
 Dibromofluoromethane
 Concen: 51.528 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220628		
111	103.3	82.4	123.6	
192	21.8	16.9	25.3	

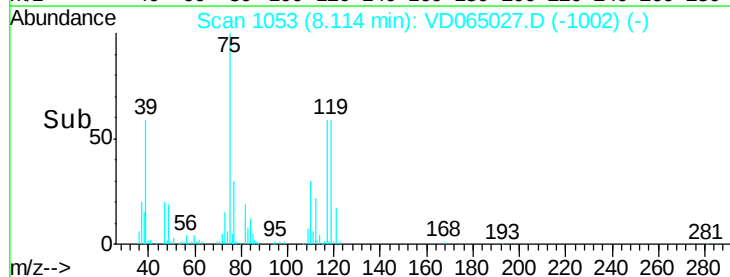
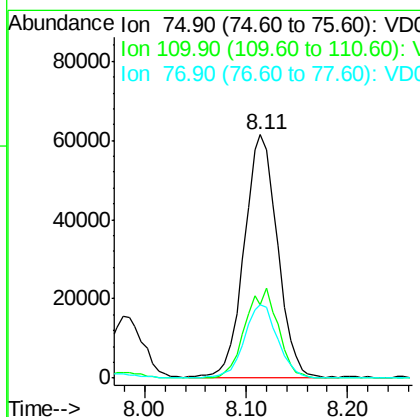
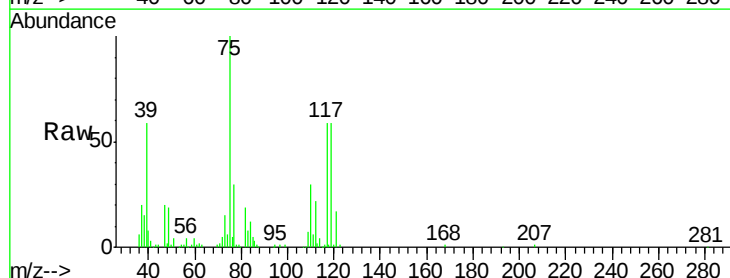
Manual Integrations
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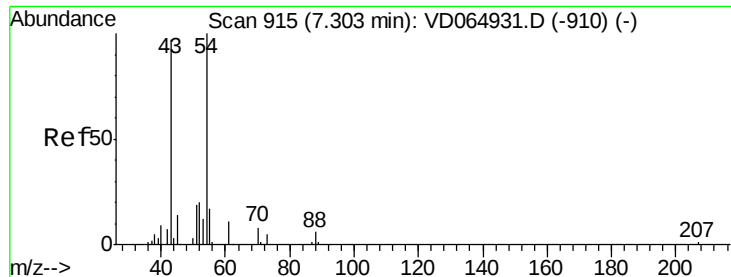
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#36
 1,1-Dichloropropene
 Concen: 21.151 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138962		
110	36.7	17.3	52.0	
77	30.7	24.7	37.1	





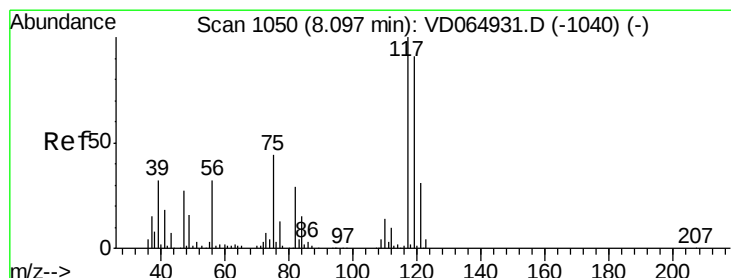
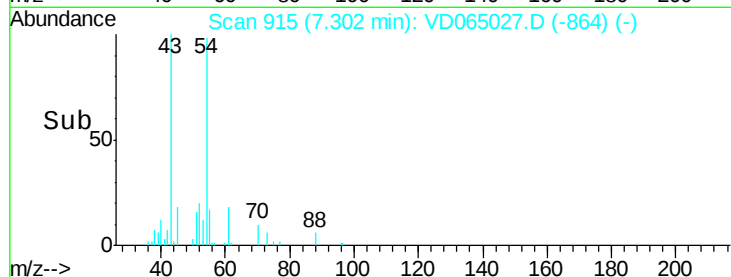
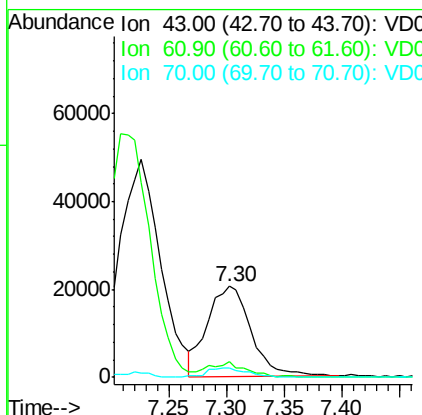
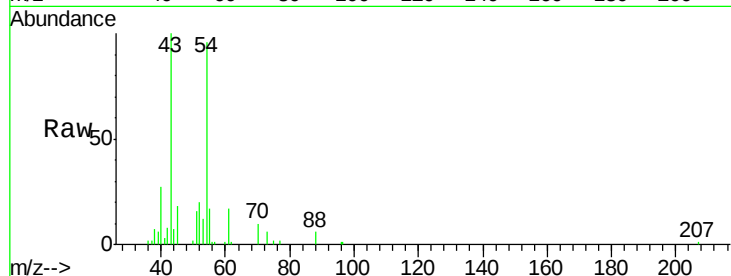
#37
Ethyl Acetate
Concen: 19.853 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	10.0	7.5	11.3

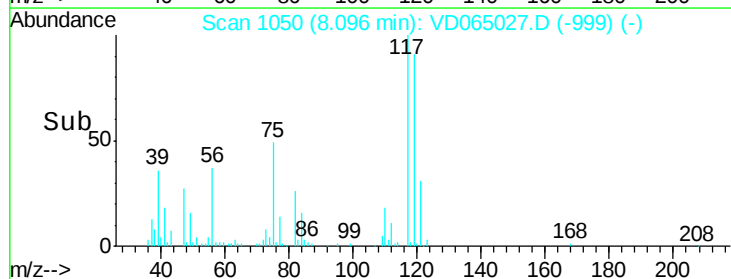
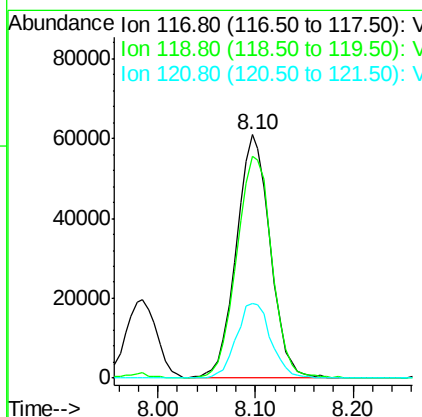
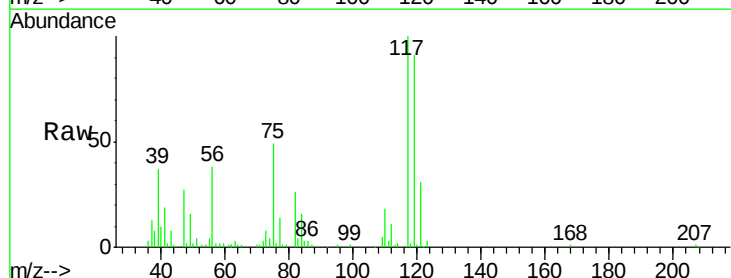
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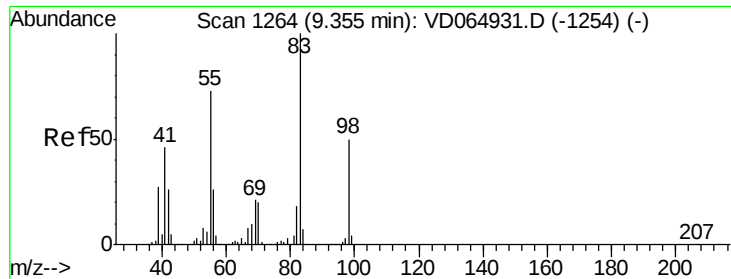
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#38
Carbon Tetrachloride
Concen: 21.280 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	73.2	109.8
121	30.6	24.4	36.6





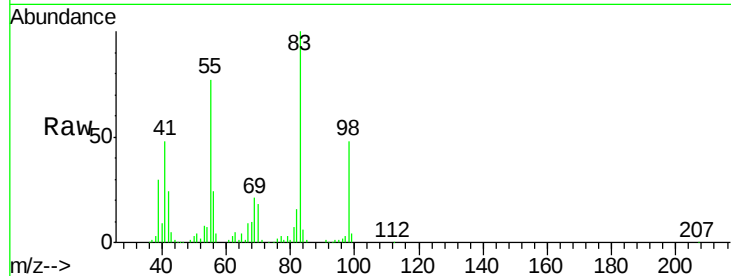
#39
Methvlcvclohexane
Concen: 20.807 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

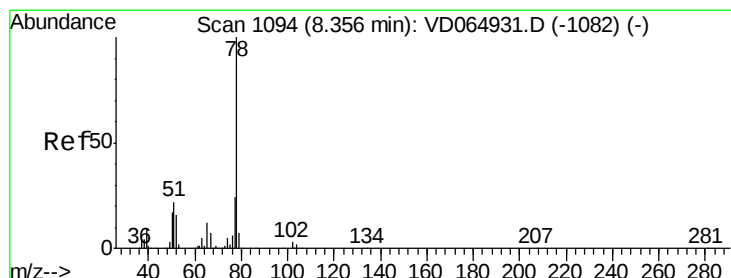
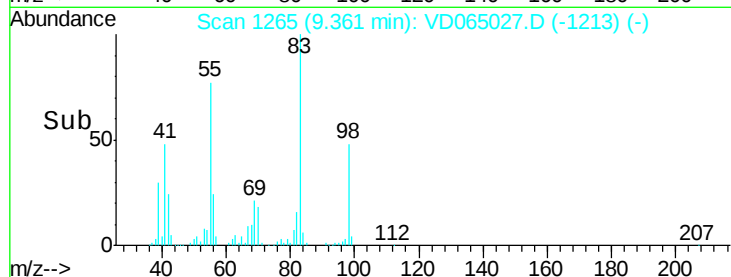
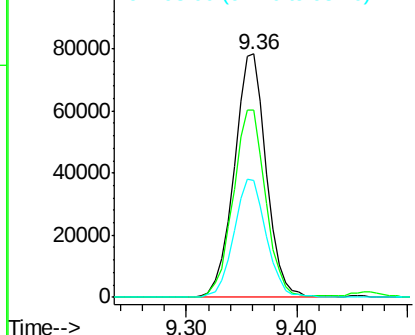
Tot Ion	Ratio	Resp	Lower	Upper
83	100	159827		
55	76.7		58.7	88.1
98	48.1		40.2	60.2

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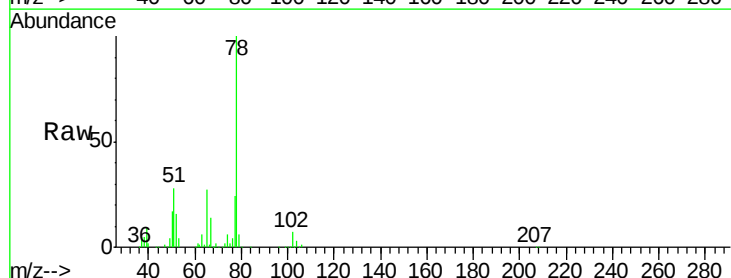


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

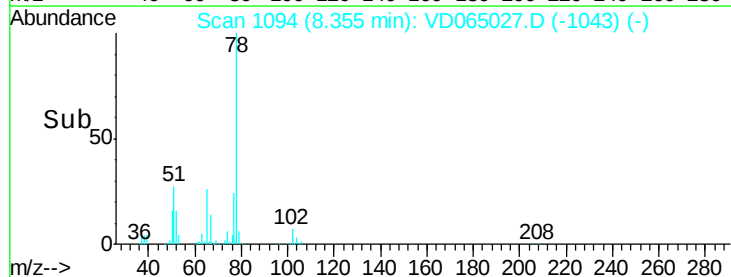
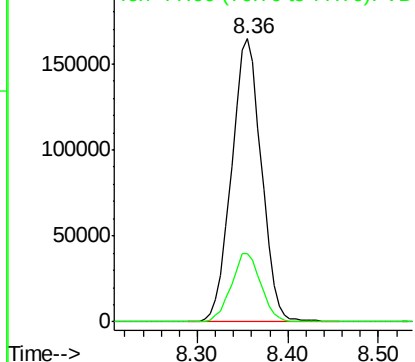


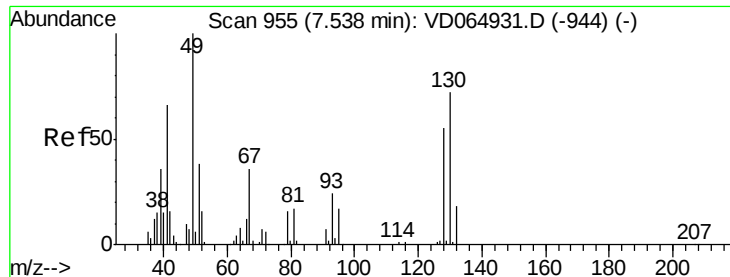
#40
Benzene
Concen: 20.862 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	377490		
77	24.1		19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 20.257 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion: 41 Resp: 29615

Ion Ratio Lower Upper

41 100

39 49.3 49.3 73.9

67 80.2 51.0 76.6#

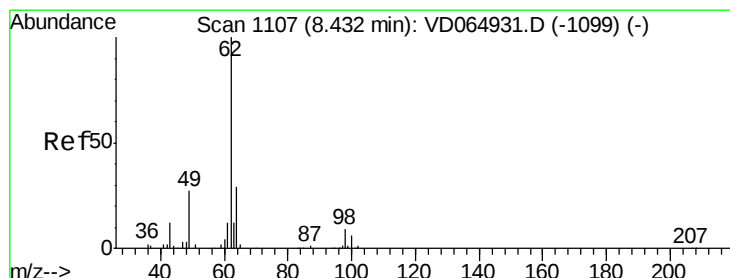
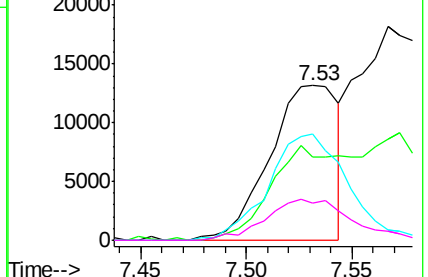
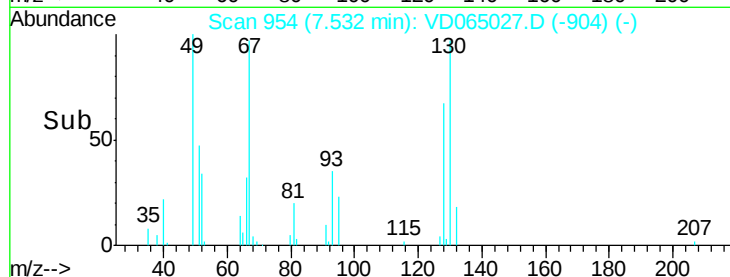
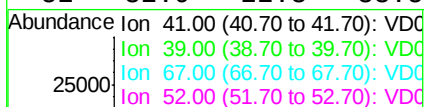
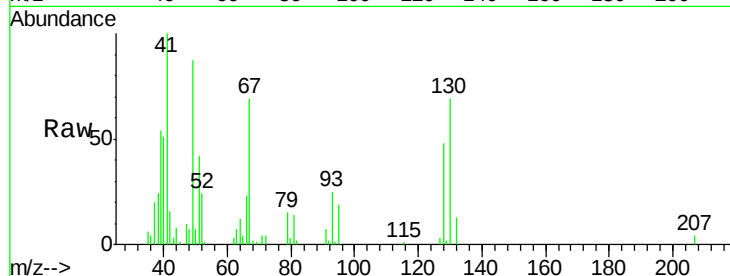
52 32.9 22.3 33.5

Manual Integrations

APPROVED

MMDadoda

2/3/2020 10:52:28 AM



#42

1,2-Dichloroethane

Concen: 21.058 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065027.D

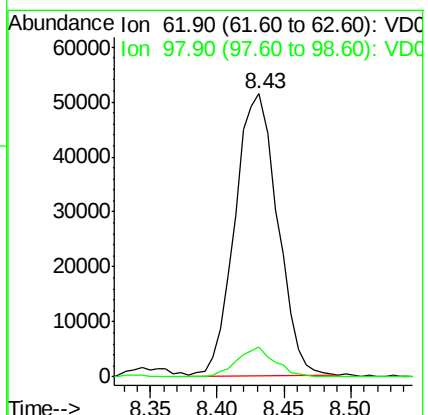
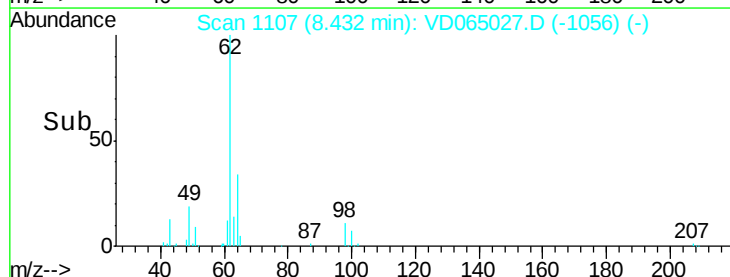
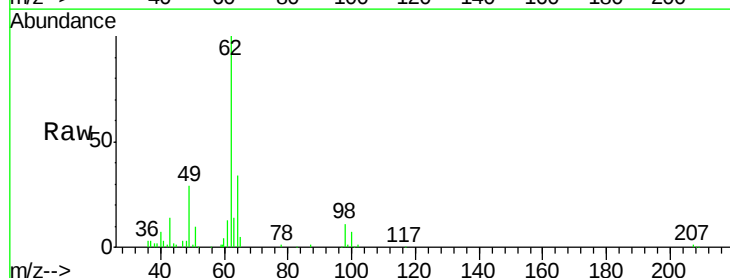
Acq: 31 Jan 2020 12:01

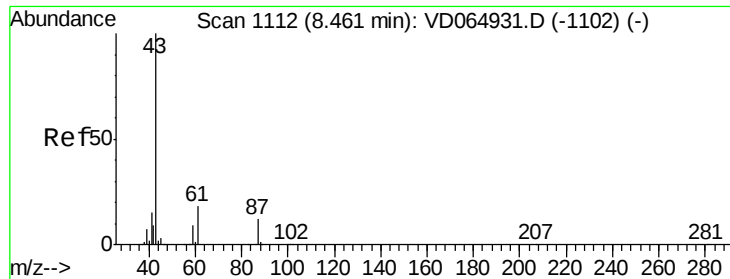
Tgt Ion: 62 Resp: 113509

Ion Ratio Lower Upper

62 100

98 9.4 0.0 17.8





#43

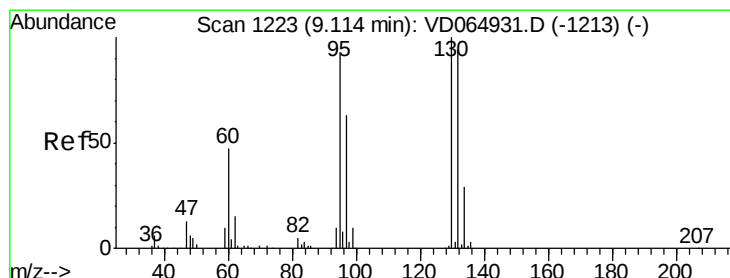
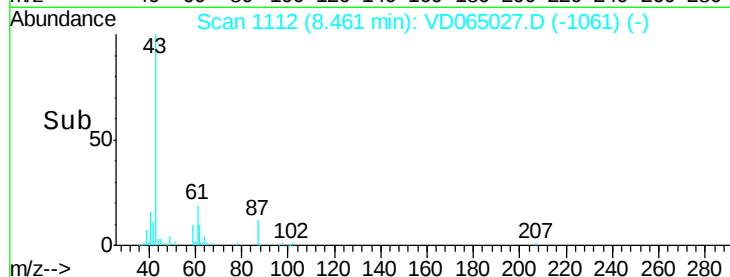
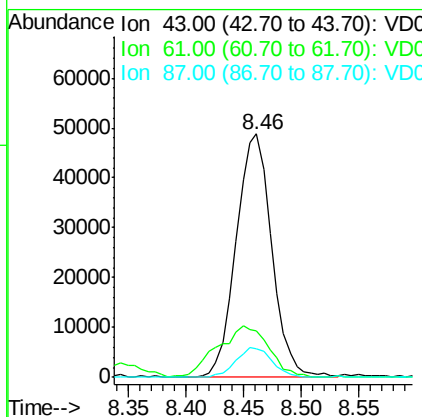
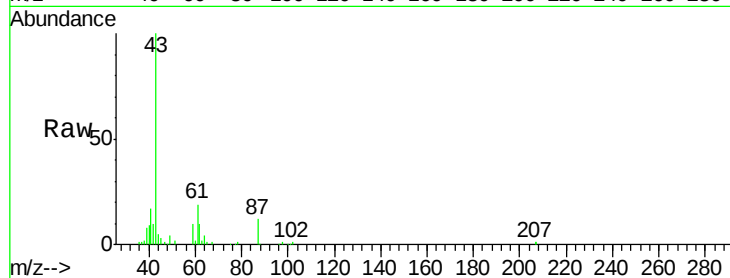
Isopropyl Acetate
 Concen: 20.321 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Tot Ion:	43	Resp:	104757
Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.8	35.6
87	12.5	10.3	15.5

Manual Integrations
 APPROVED

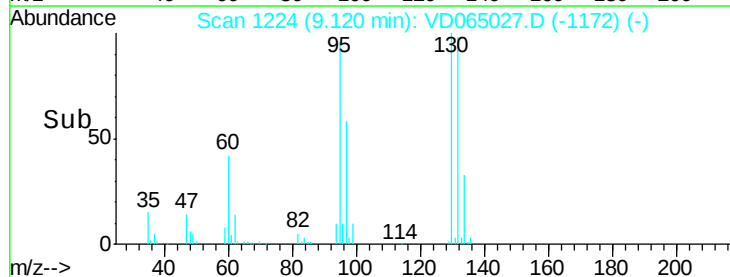
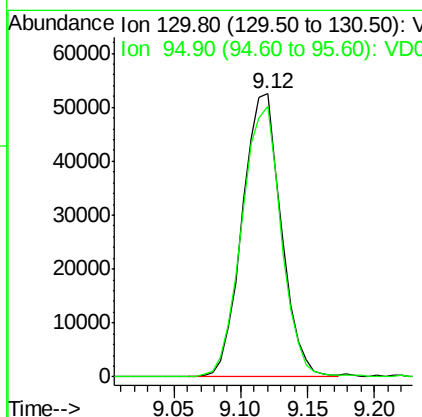
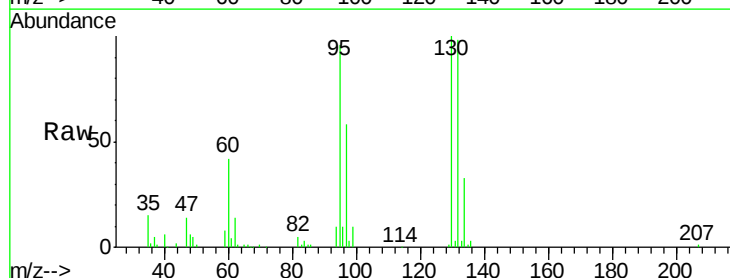
MMDadoda
 2/3/2020 10:52:28 AM

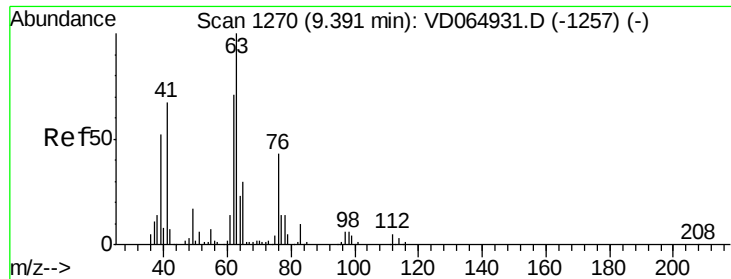


#44

Trichloroethene
 Concen: 20.902 ug/l
 RT: 9.12 min Scan# 1224
 Delta R.T. 0.01 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion:	130	Resp:	105854
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	185.8





#45

1,2-Dichloropropane

Concen: 20.961 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion: 63 Resp: 91948

Ion Ratio Lower Upper

63 100

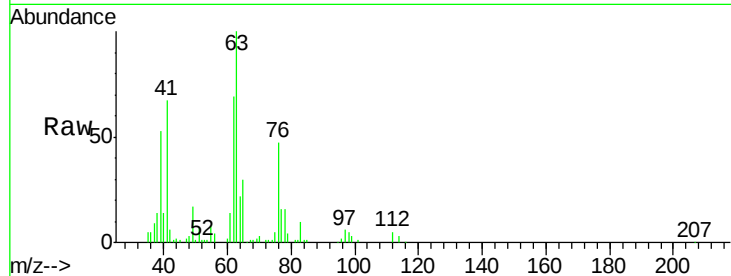
65 30.5 24.3 36.5

Manual Integrations

APPROVED

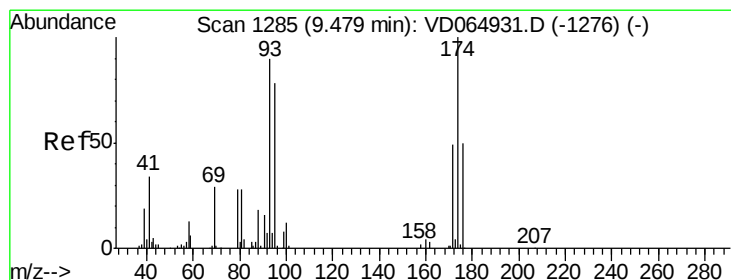
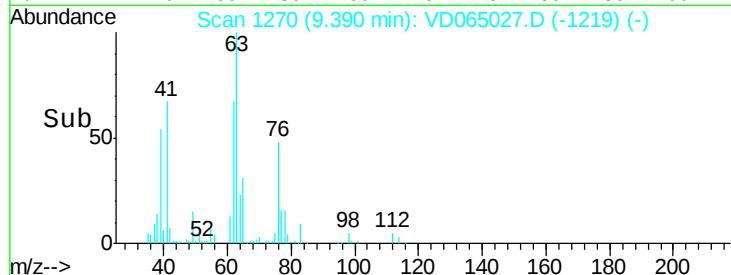
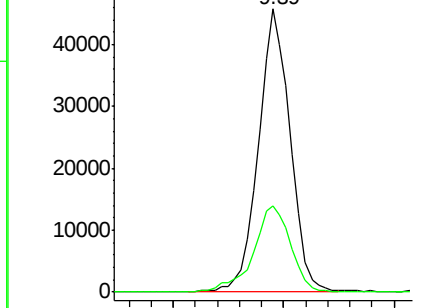
MMDadoda

2/3/2020 10:52:28 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.809 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

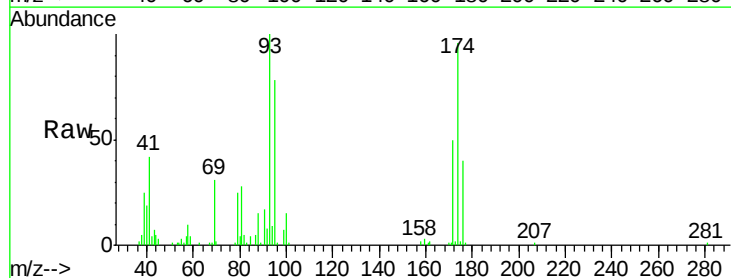
Tgt Ion: 93 Resp: 49835

Ion Ratio Lower Upper

93 100

95 84.5 67.5 101.3

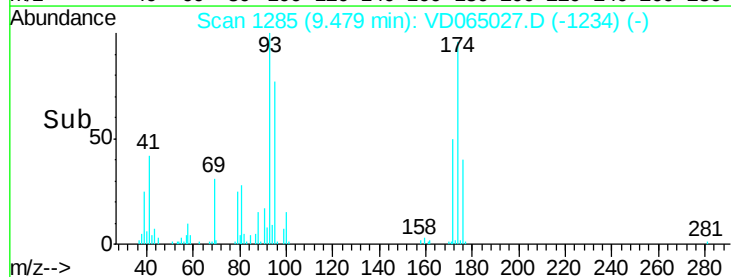
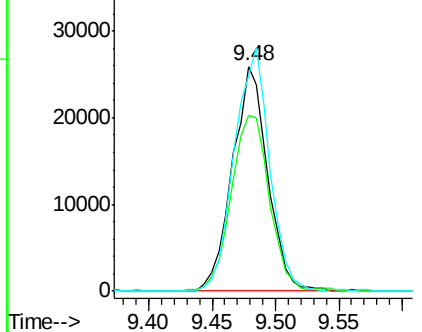
174 108.3 88.4 132.6

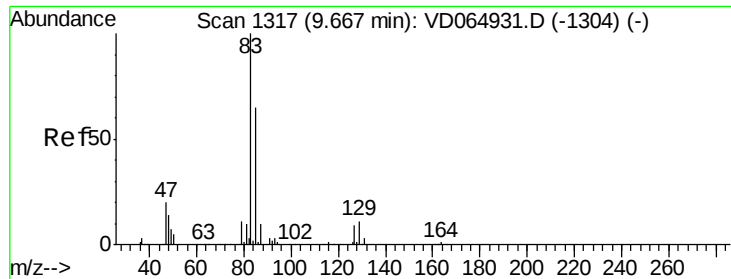


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





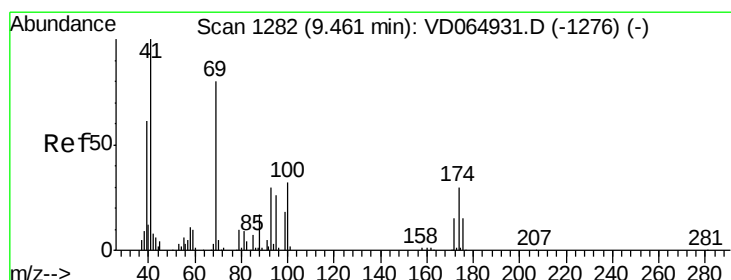
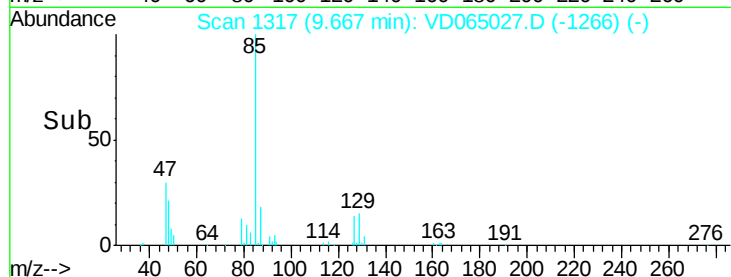
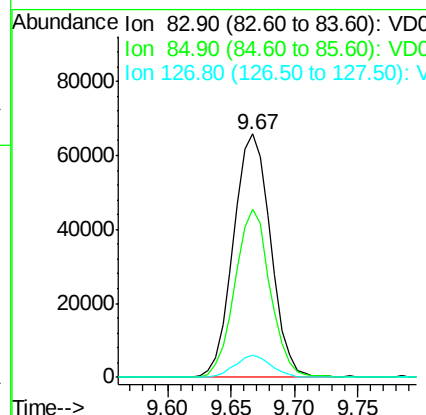
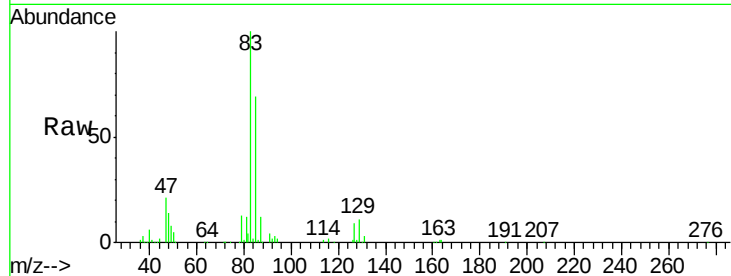
#47
Bromodichloromethane
Concen: 21.428 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	68.8	52.0	78.0	
127	9.3	7.3	10.9	

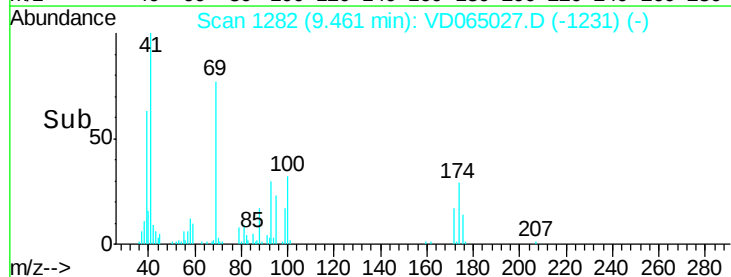
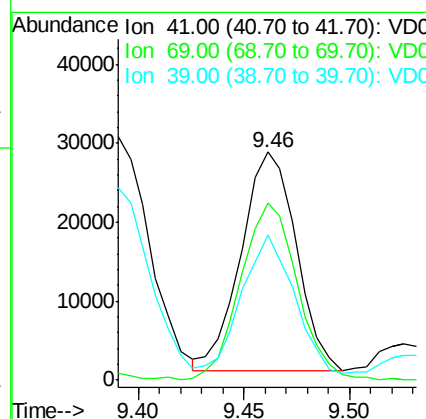
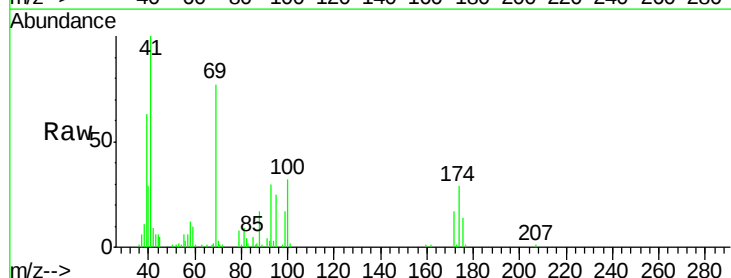
Manual Integrations
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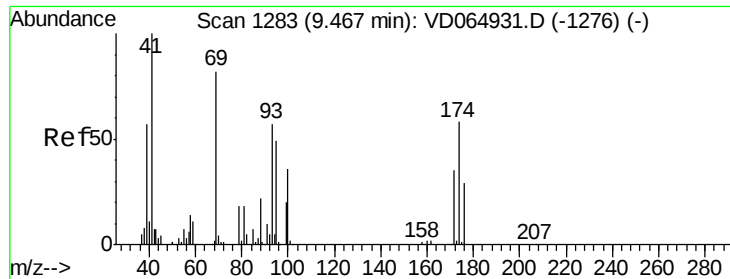
MMDadoda
2/3/2020 10:52:28 AM



#48
Methyl methacrylate
Concen: 21.177 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	83.4	65.8	98.8	
39	59.8	49.4	74.0	





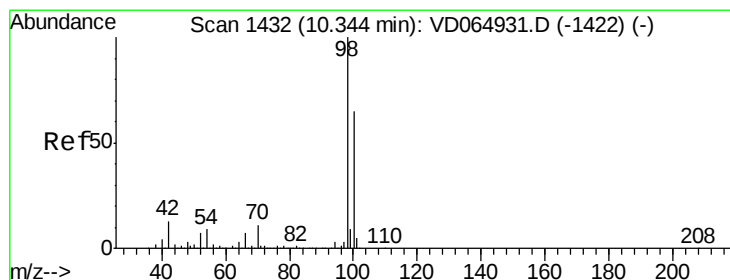
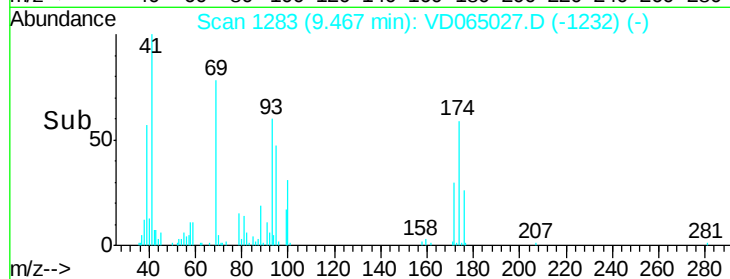
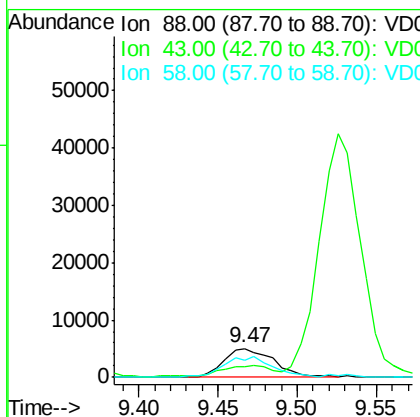
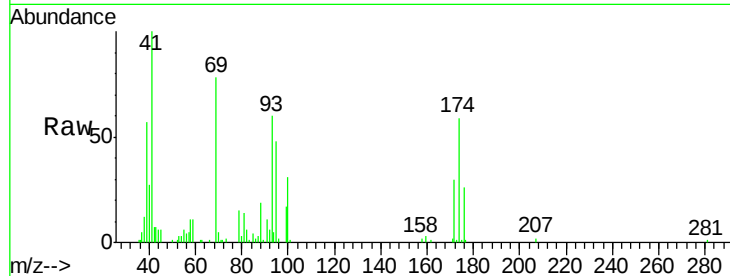
#49
1,4-Dioxane
Concen: 396.386 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tot Ion	88	Resp	11010
Ion Ratio	Lower	Upper	
88	100		
43	45.8	26.2	39.4#
58	70.7	50.3	75.5

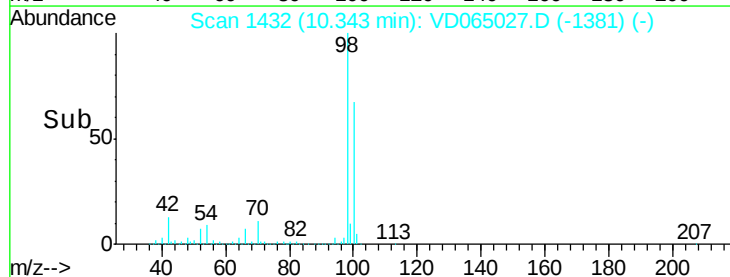
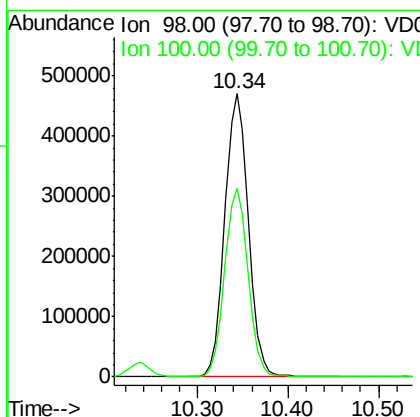
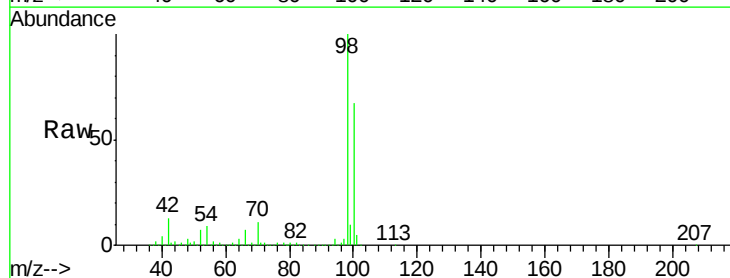
Manual Integrations
APPROVED

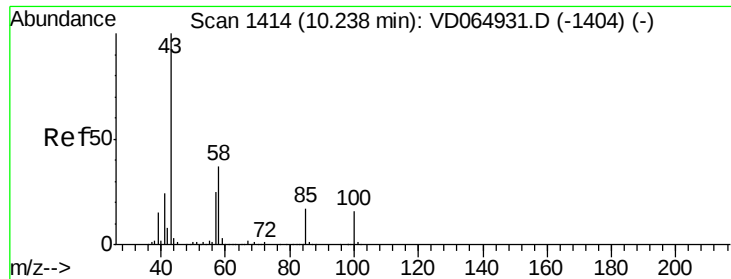
MMDadoda
2/3/2020 10:52:28 AM



#50
Toluene-d8
Concen: 51.414 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	98	Resp	849658
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 102.986 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion: 43 Resp: 265642

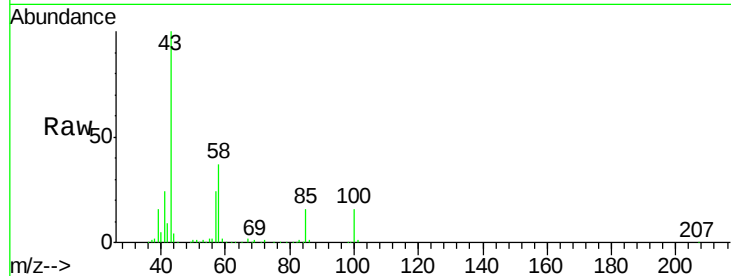
Ion Ratio Lower Upper

43 100

58 36.7 30.4 45.6

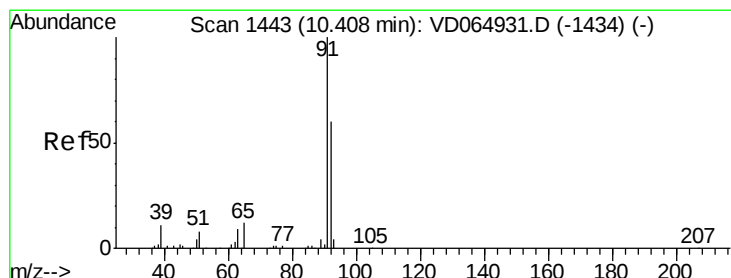
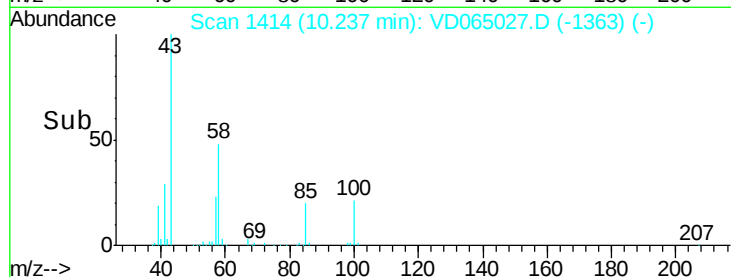
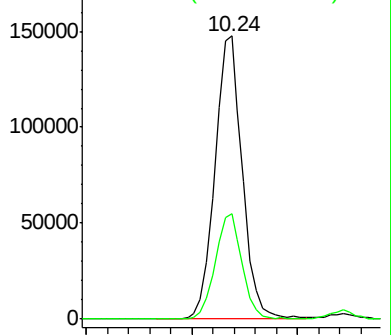
Manual Integrations
APPROVED

MMDadoda
2/3/2020 10:52:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.724 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065027.D

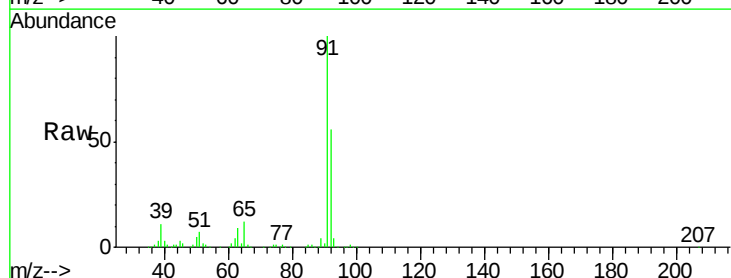
Acq: 31 Jan 2020 12:01

Tgt Ion: 92 Resp: 241774

Ion Ratio Lower Upper

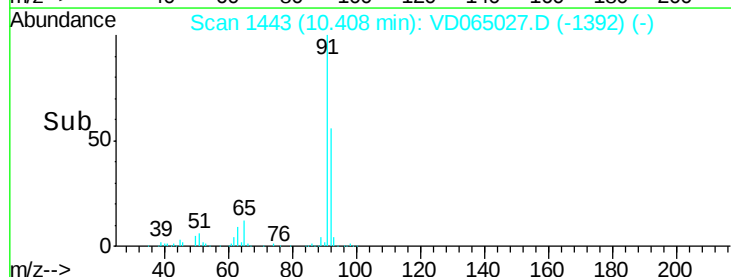
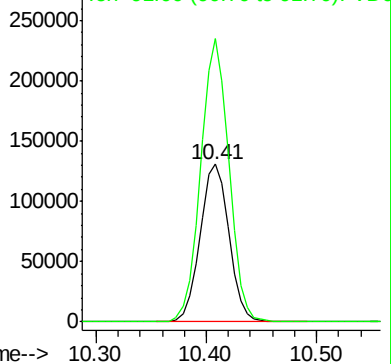
92 100

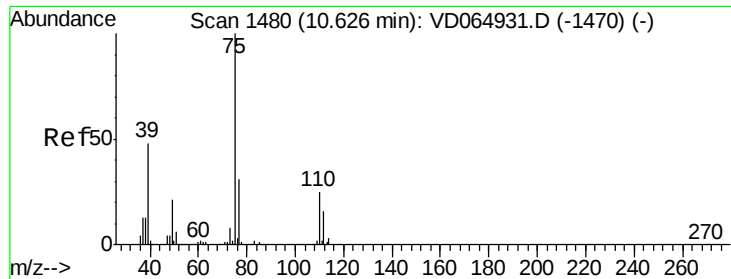
91 175.1 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





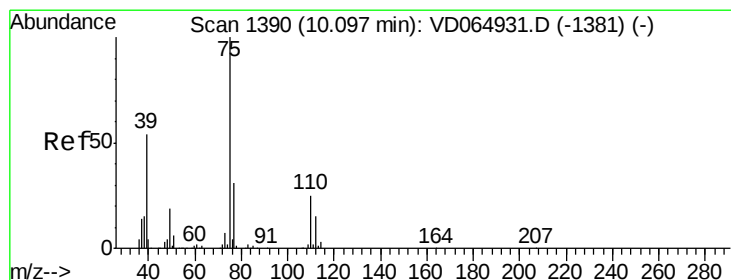
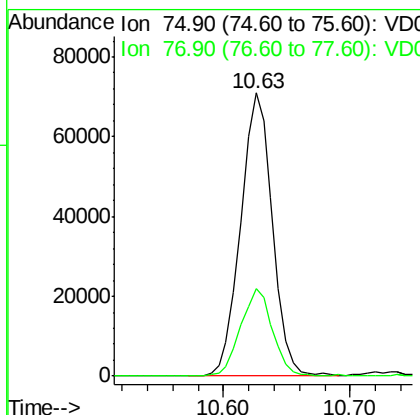
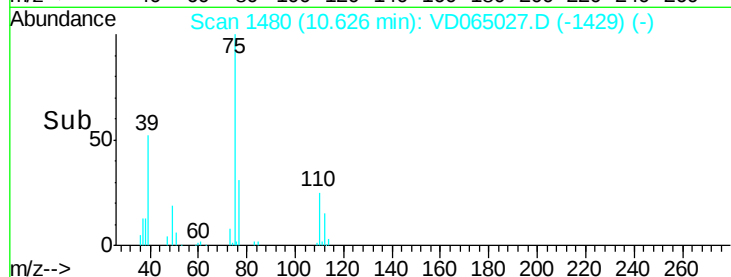
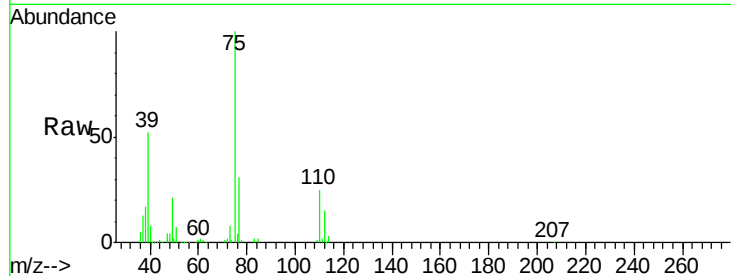
#53
t-1,3-Dichloropropene
Concen: 20.794 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6

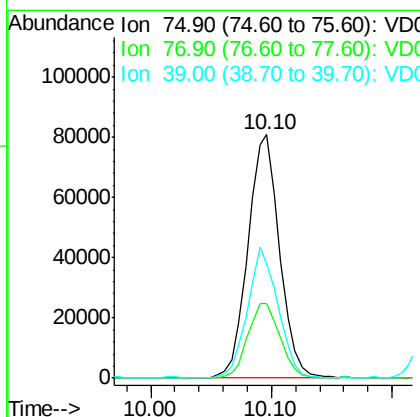
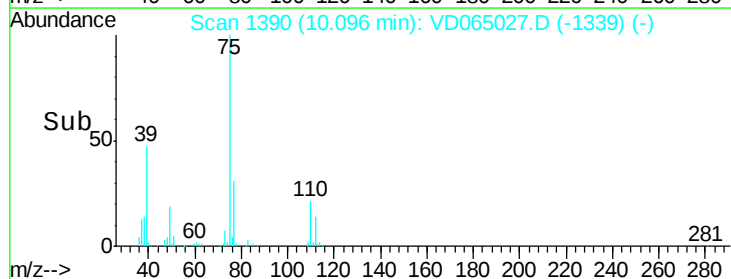
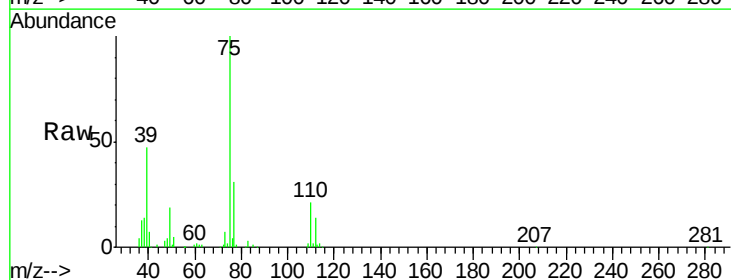
Manual Integrations
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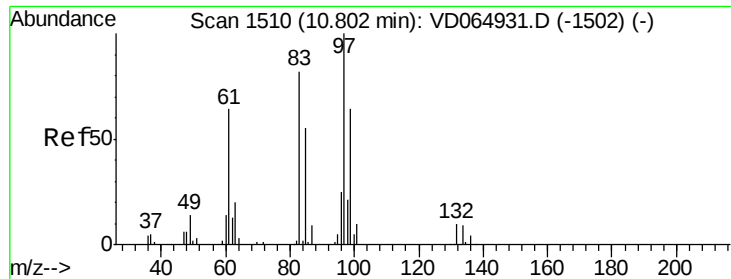
MMDadoda
2/3/2020 10:52:28 AM



#54
cis-1,3-Dichloropropene
Concen: 21.252 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7
39	46.9	43.0	64.6





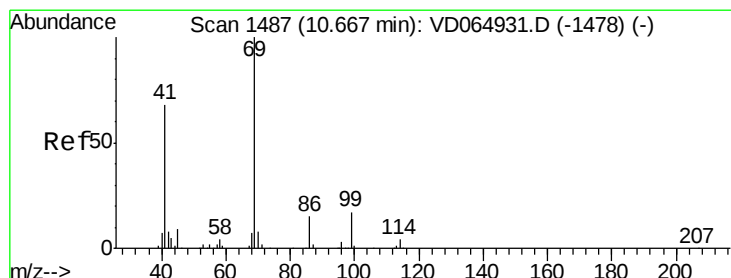
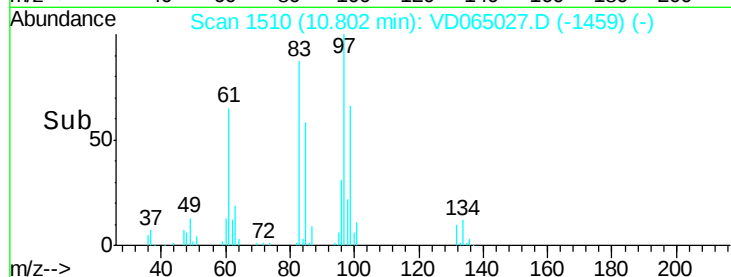
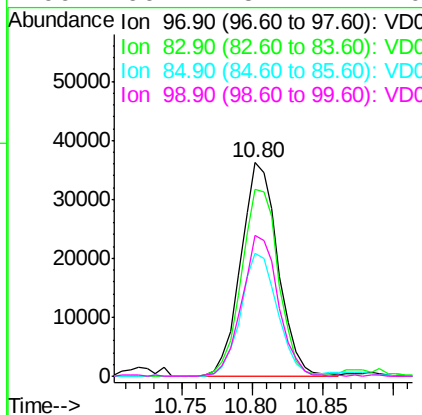
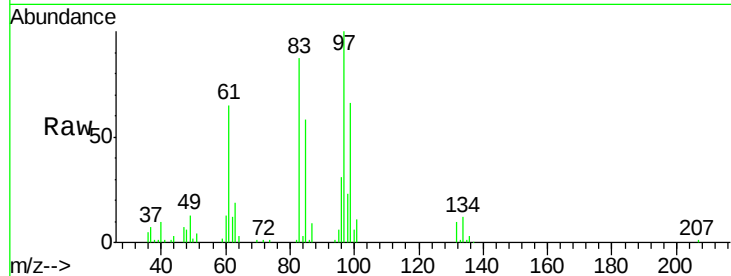
#55
 1,1,2-Trichloroethane
 Concen: 20.747 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Tot Ion:	97	Resp:	66928
Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.0	99.0
85	57.6	44.4	66.6
99	66.2	51.4	77.0

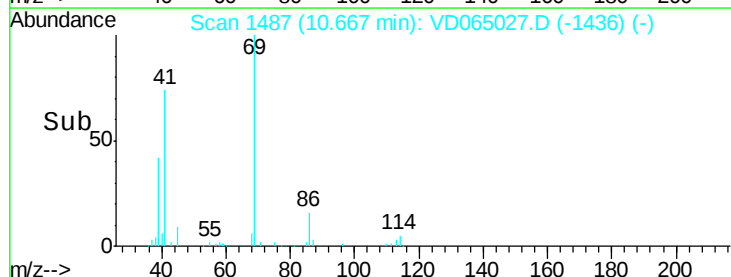
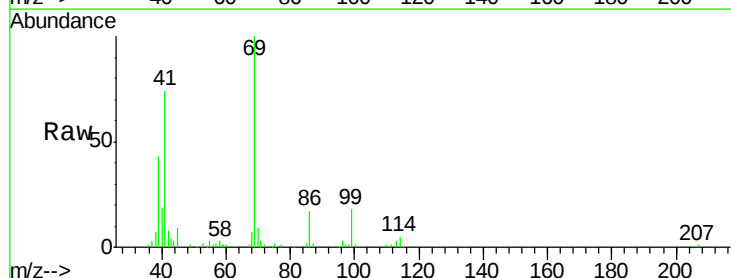
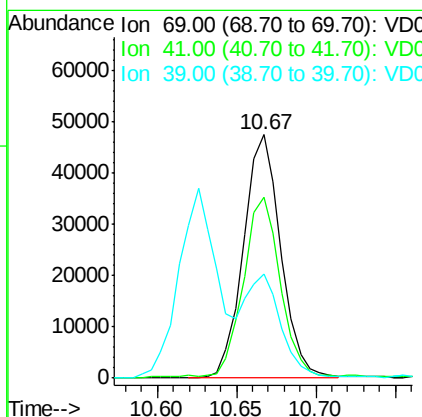
Manual Integrations
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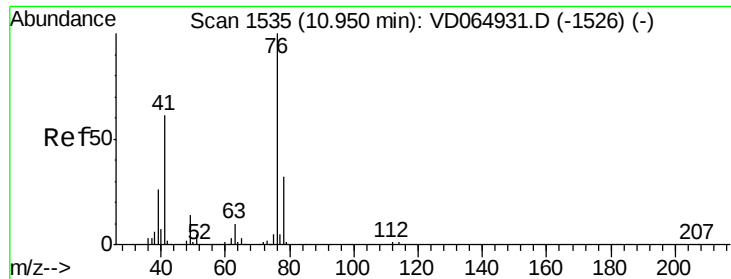
MMDadoda
 2/3/2020 10:52:28 AM



#56
 Ethyl methacrylate
 Concen: 20.086 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion:	69	Resp:	77486
Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.4	84.6
39	40.3	30.6	46.0





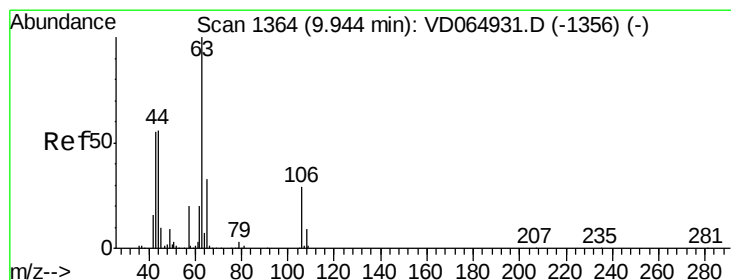
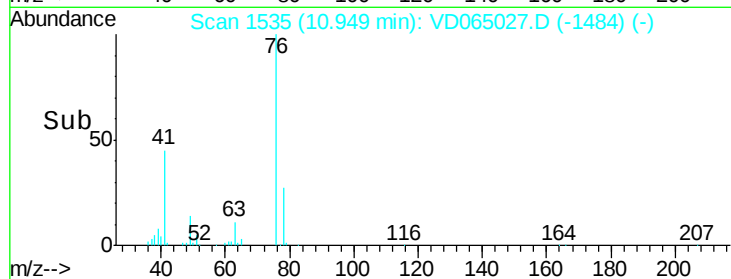
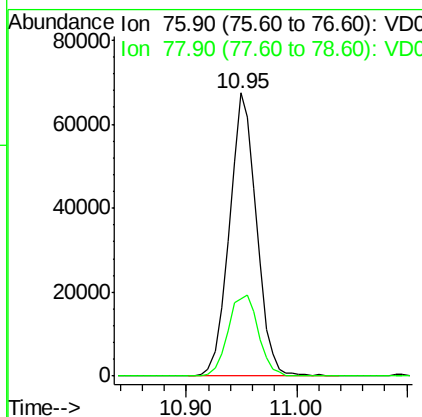
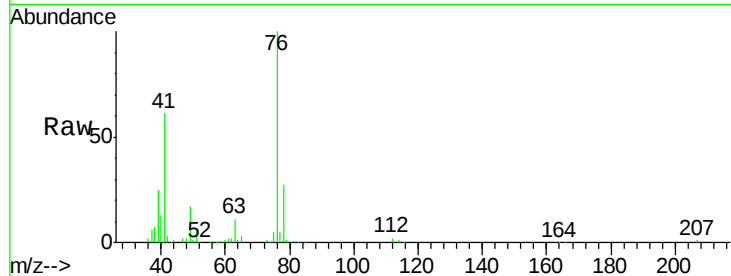
#57
 1,3-Dichloropropane
 Concen: 21.000 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.7	38.5

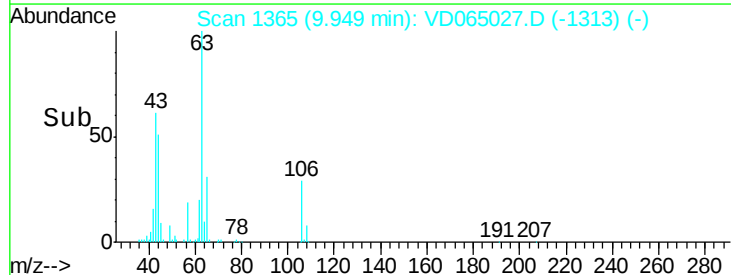
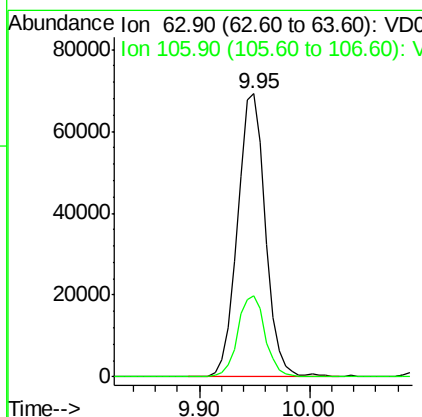
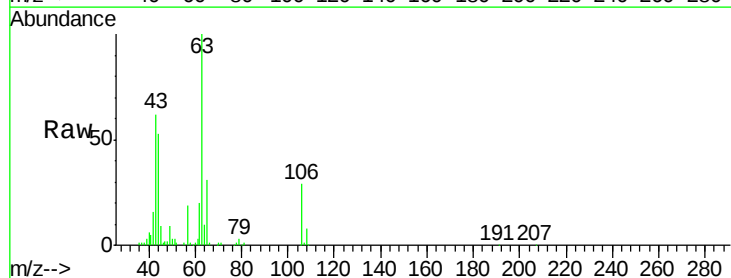
Manual Integrations
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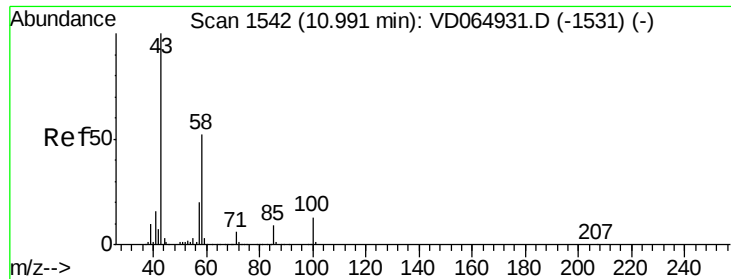
MMDadoda
 2/3/2020 10:52:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.012 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	23.0	34.4





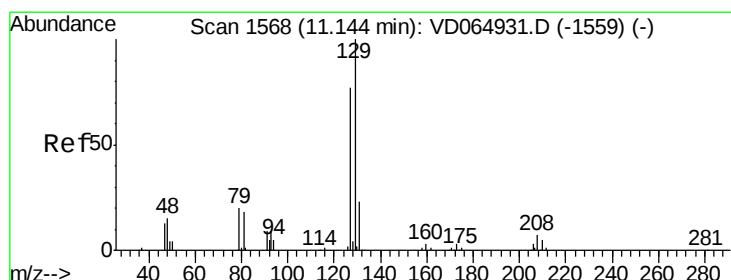
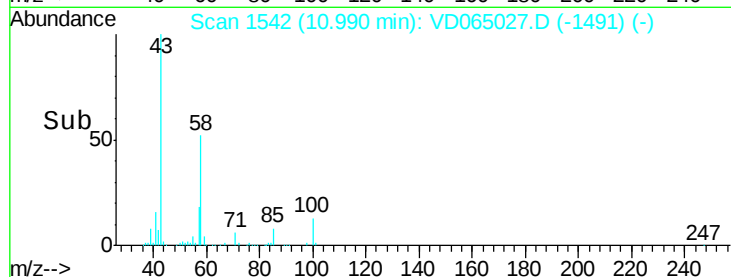
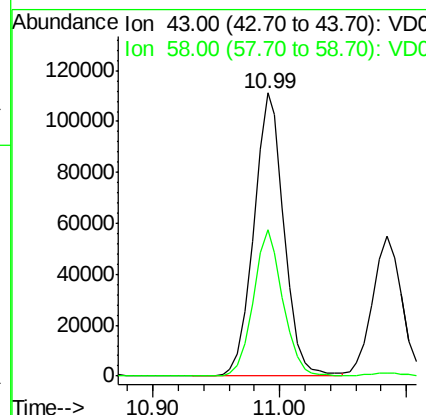
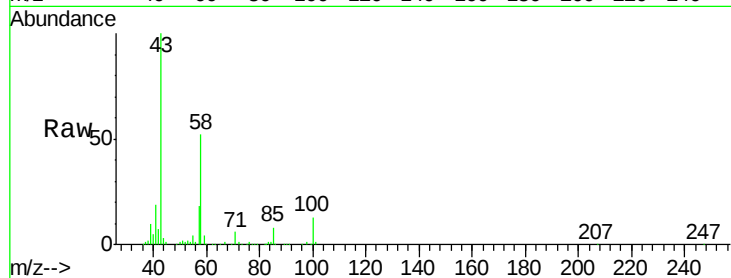
#59
2-Hexanone
Concen: 103.638 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion: 43 Resp: 184392
Ion Ratio Lower Upper
43 100
58 50.6 26.5 79.4

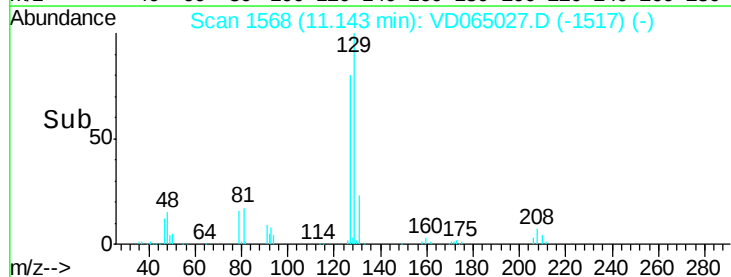
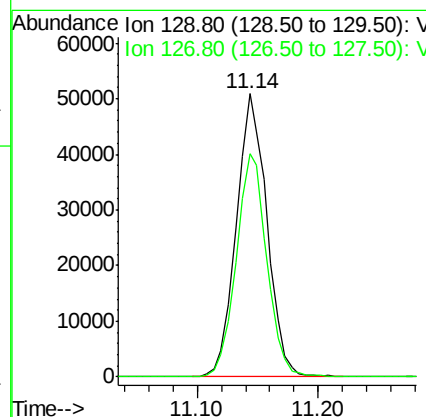
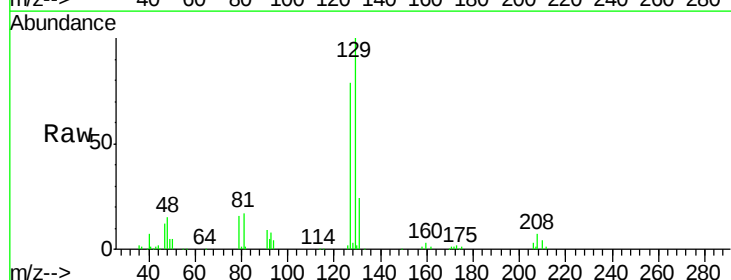
Manual Integrations
APPROVED

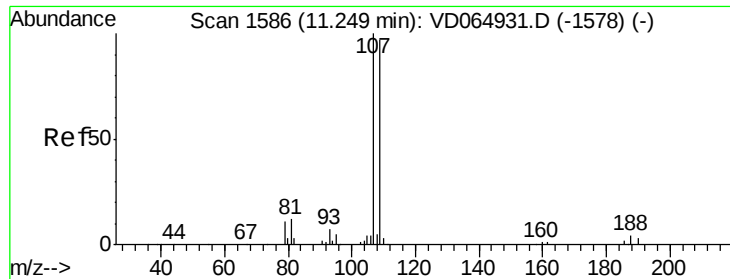
MMDadoda
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#60
Dibromochloromethane
Concen: 20.795 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 129 Resp: 89663
Ion Ratio Lower Upper
129 100
127 78.8 38.2 114.6





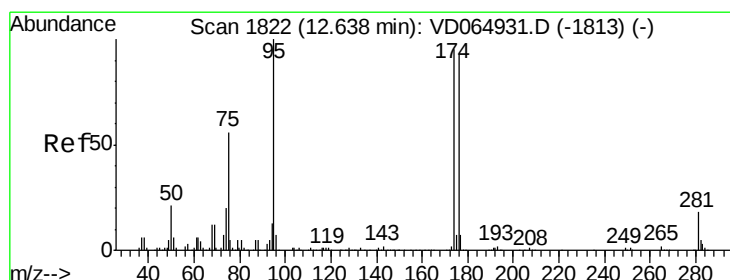
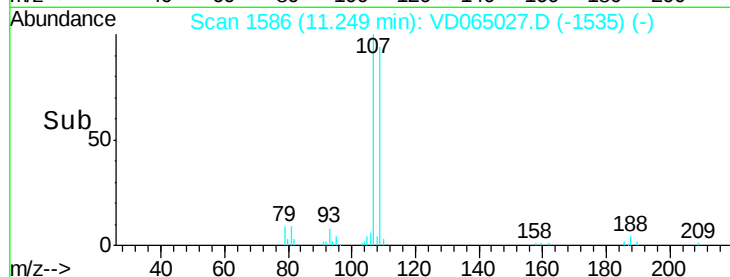
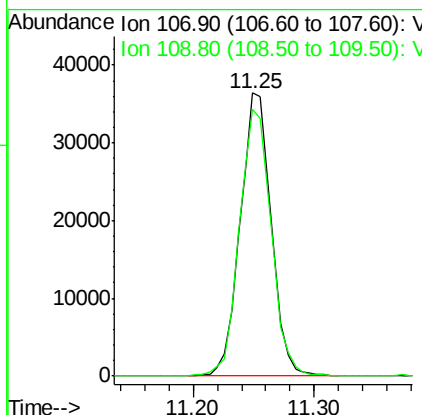
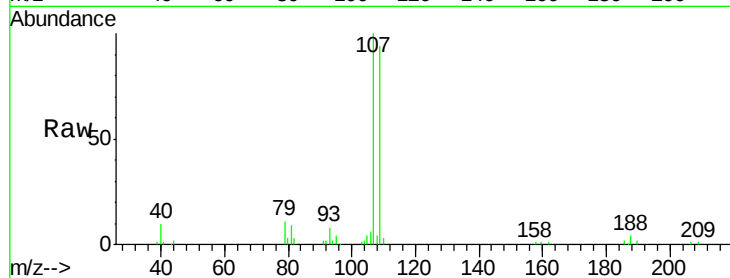
#61
1,2-Dibromoethane
Concen: 20.976 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	77.1	115.7

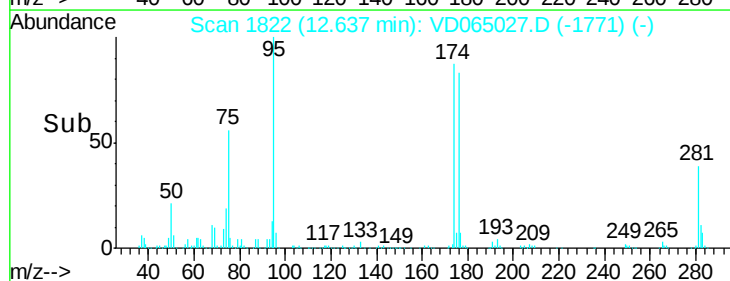
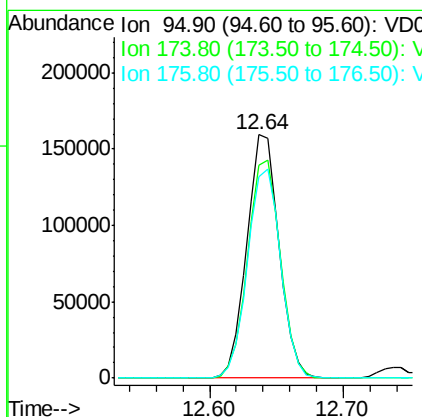
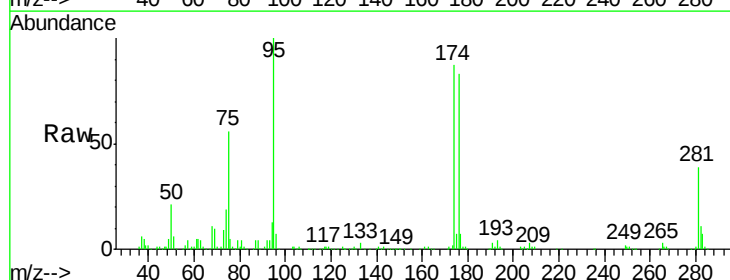
Manual Integrations
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#62
4-Bromofluorobenzene
Concen: 52.505 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	186.8
176	87.8	0.0	183.4





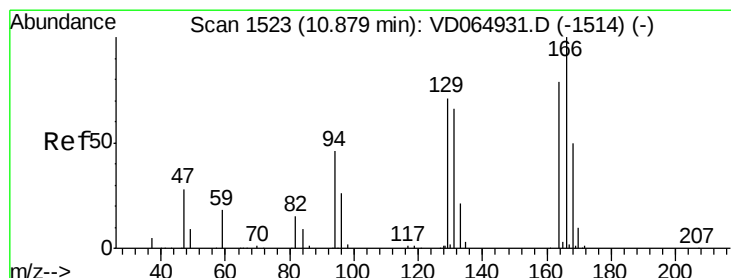
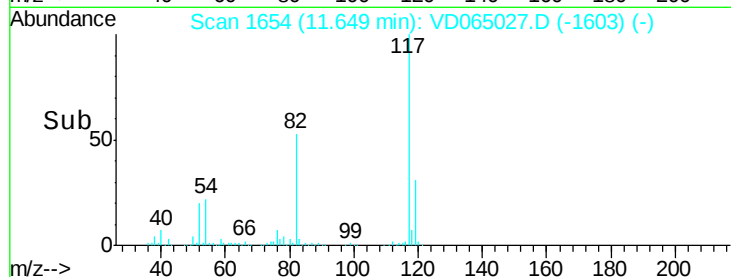
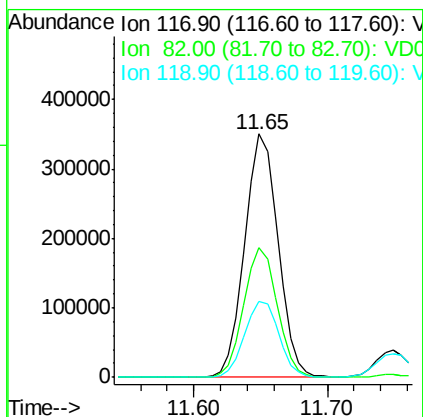
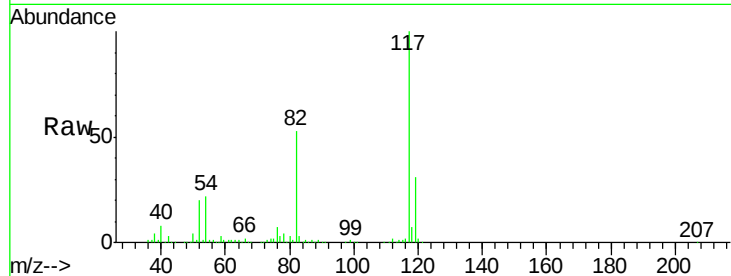
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.6	65.4
119	31.2	25.2	37.8

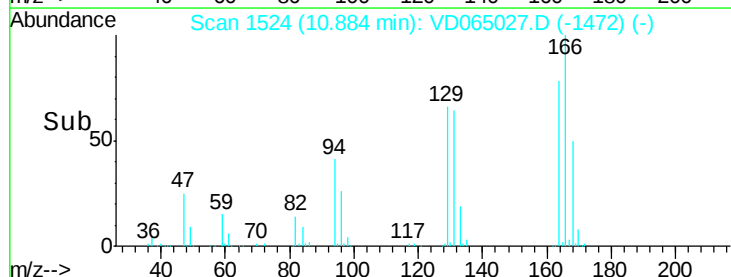
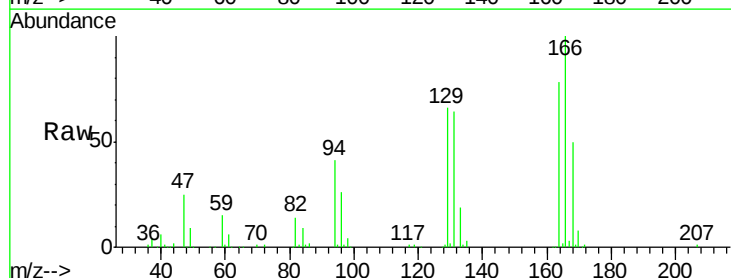
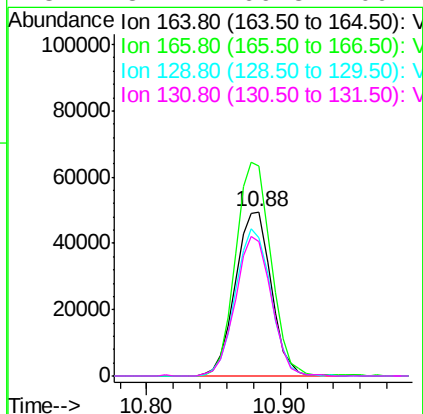
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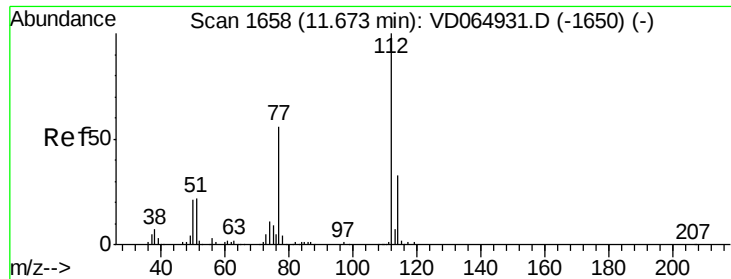
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#64
Tetrachloroethene
Concen: 20.986 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.4	152.2
129	84.4	71.8	107.8
131	81.7	66.8	100.2





#65

Chlorobenzene

Concen: 20.763 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion:112 Resp: 255594

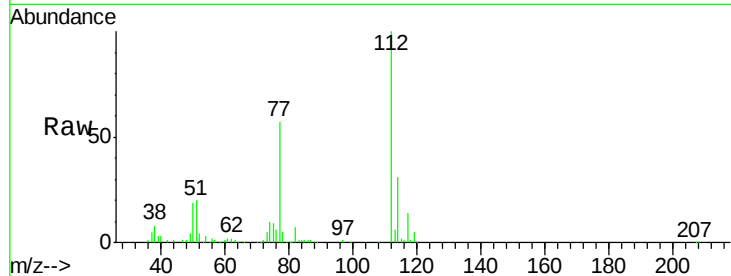
Ion Ratio Lower Upper

112 100

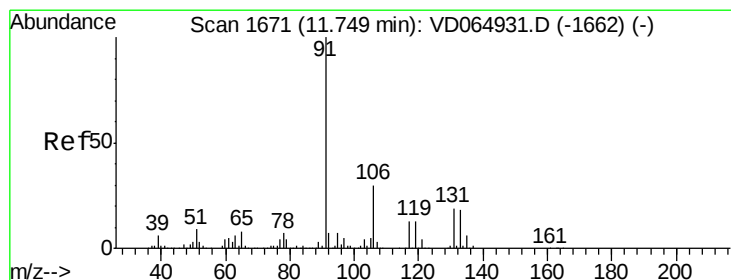
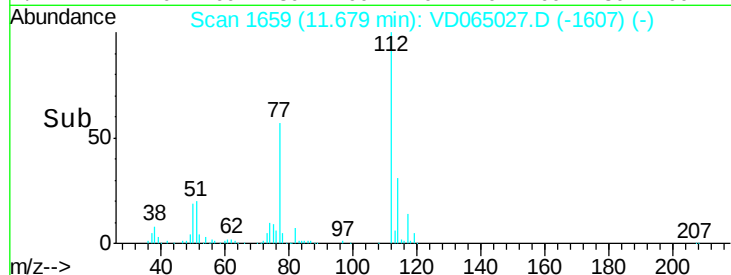
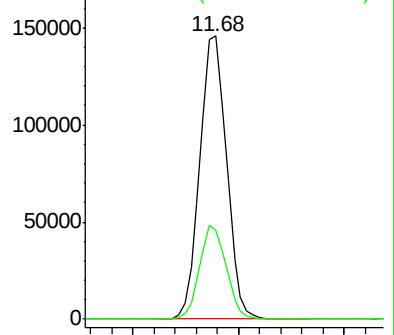
114 31.3 26.2 39.4

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.487 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

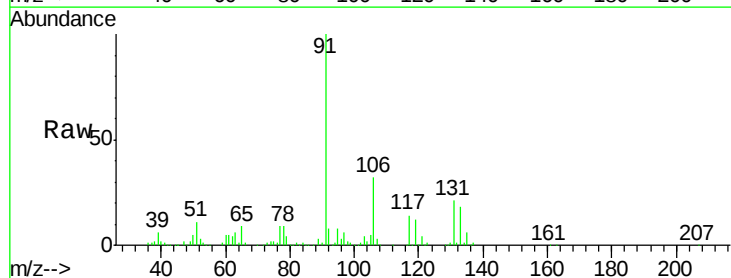
Tgt Ion:131 Resp: 99478

Ion Ratio Lower Upper

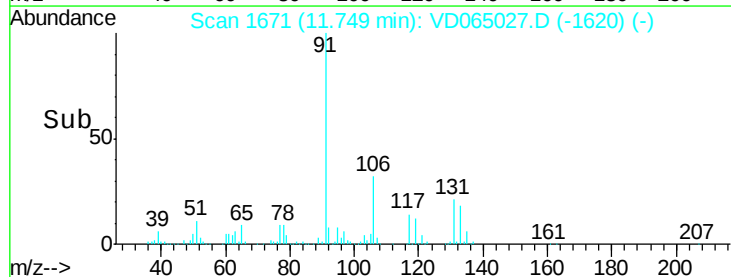
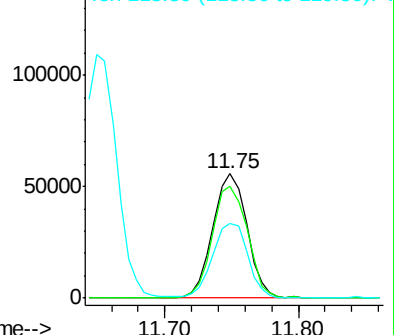
131 100

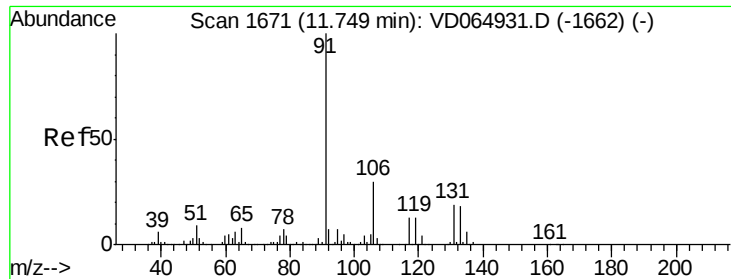
133 92.3 47.5 142.5

119 62.0 31.1 93.5



Abundance Ion 130.80 (130.50 to 131.50): V





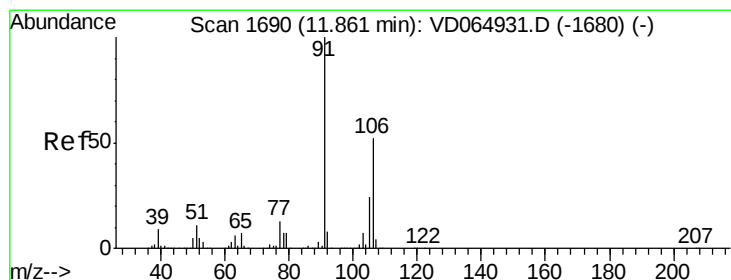
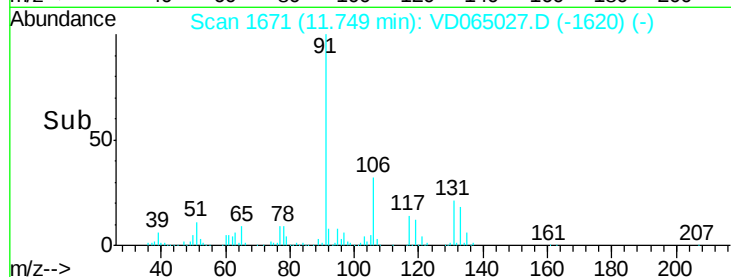
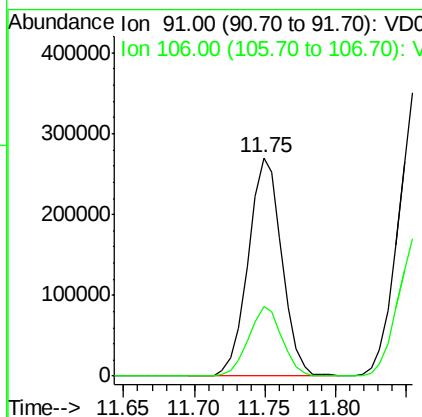
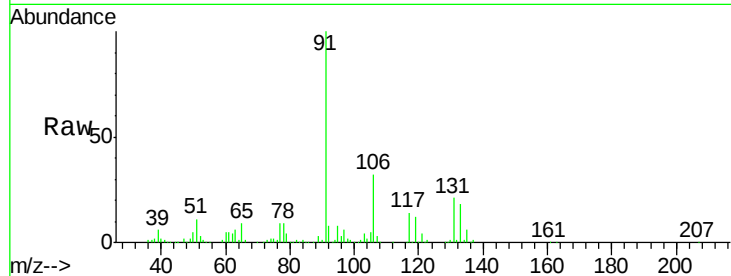
#67
Ethyl Benzene
Concen: 20.654 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion: 91 Resp: 451389
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5

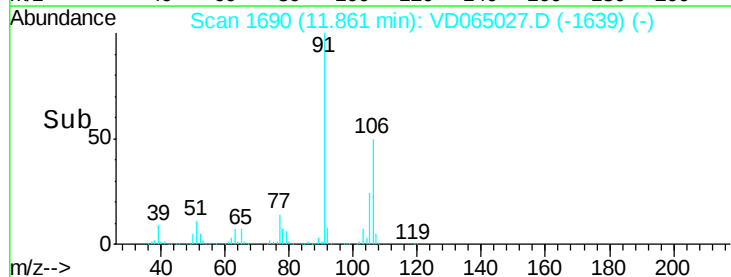
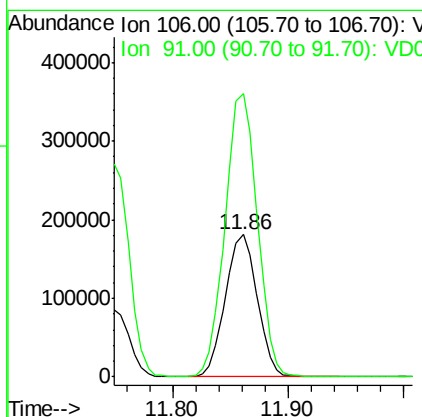
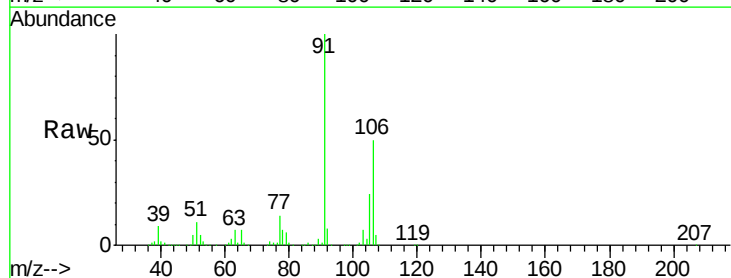
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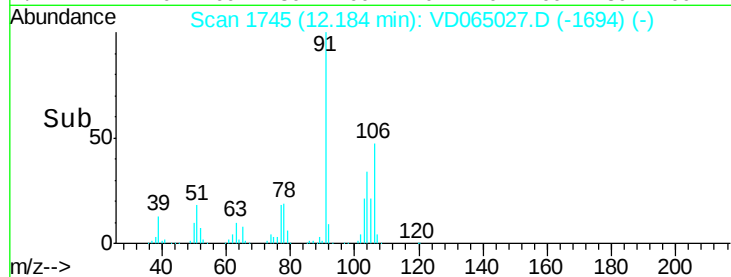
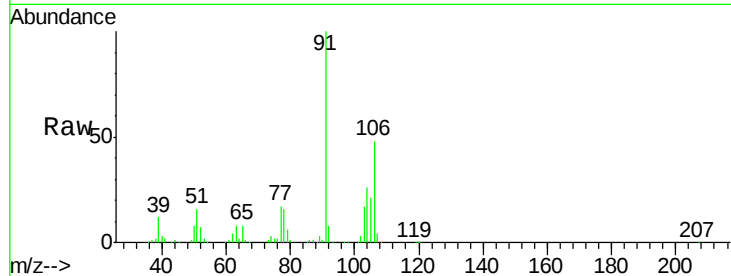
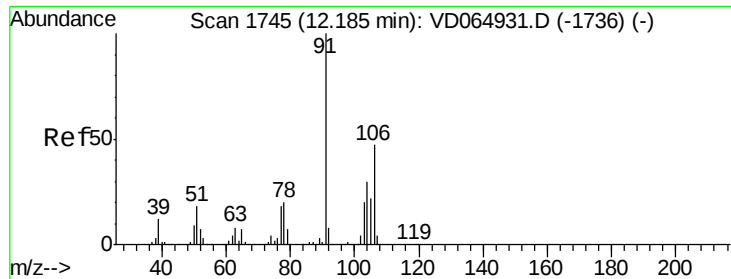
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#68
m/p-Xylenes
Concen: 41.359 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 106 Resp: 348012
Ion Ratio Lower Upper
106 100
91 201.2 159.0 238.4





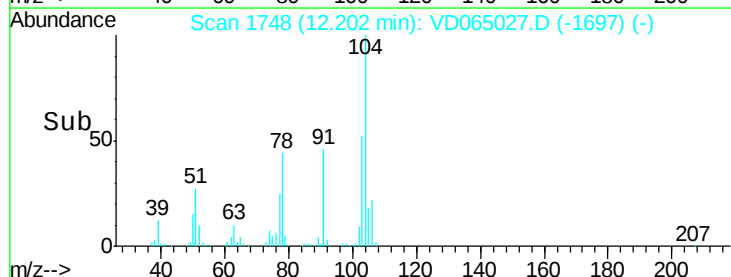
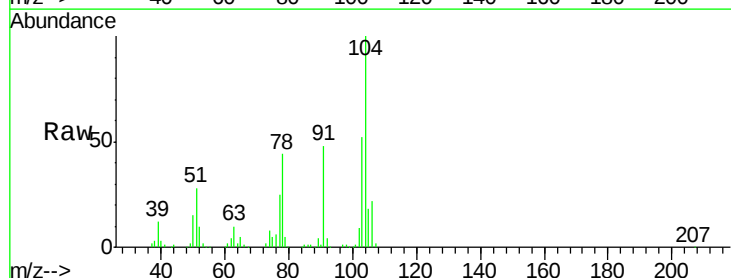
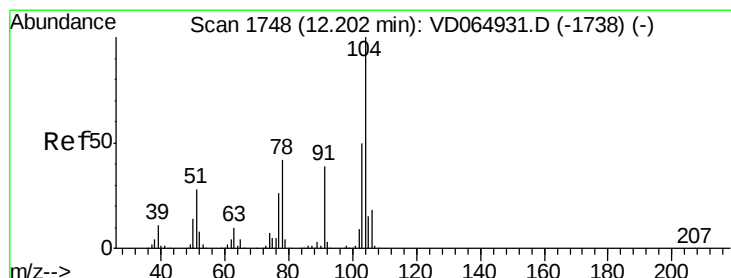
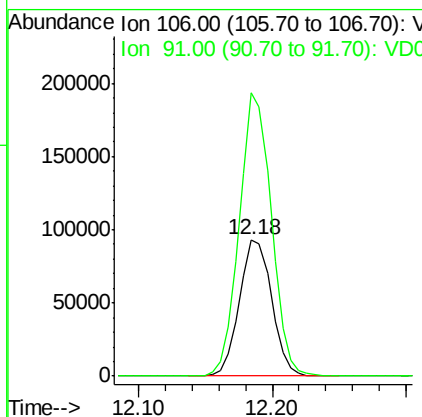
#69
o-Xylene
Concen: 20.872 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tot Ion:106 Resp: 155873
Ion Ratio Lower Upper
106 100
91 206.3 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

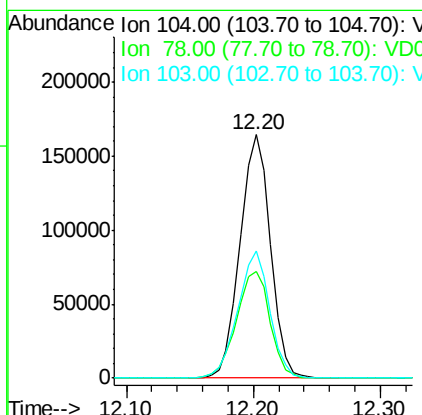
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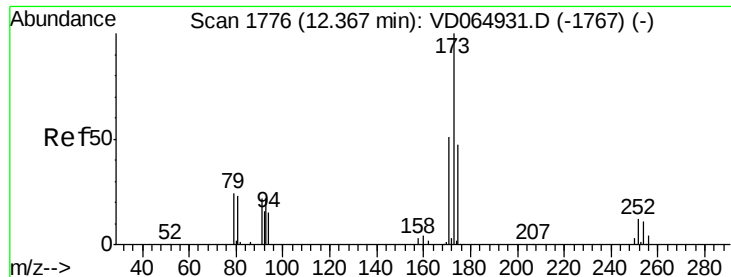
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#70
Styrene
Concen: 20.588 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion:104 Resp: 273891
Ion Ratio Lower Upper
104 100
78 48.5 38.3 57.5
103 54.7 43.5 65.3





#71

Bromoform

Concen: 20.495 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

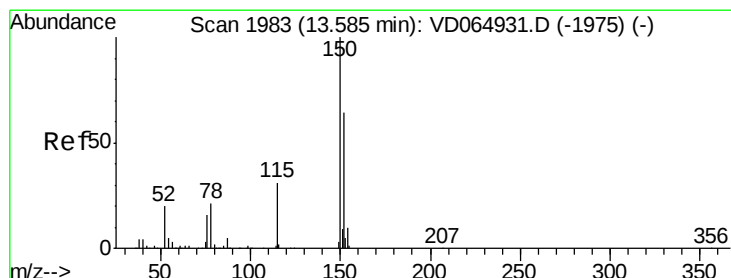
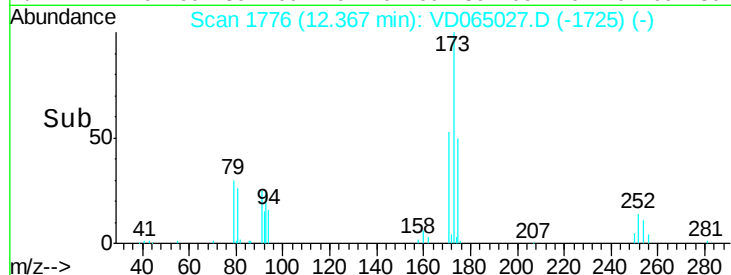
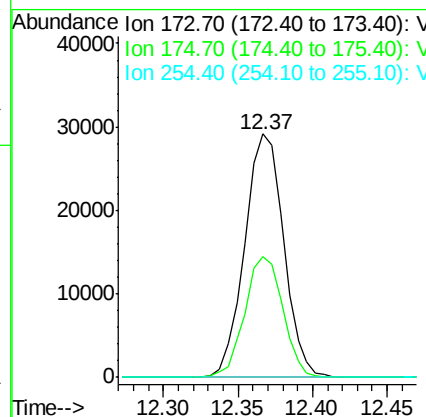
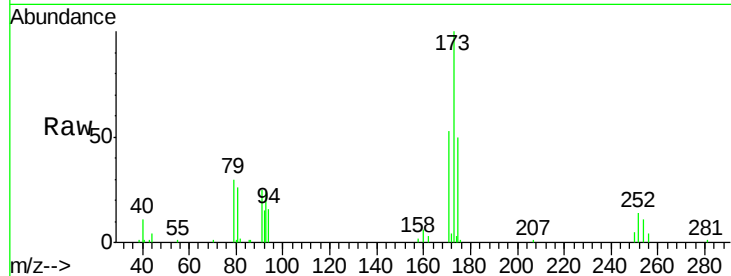
ClientSampleId :

VD0131SBS01

Tot Ion:	173	Resp:	52744
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

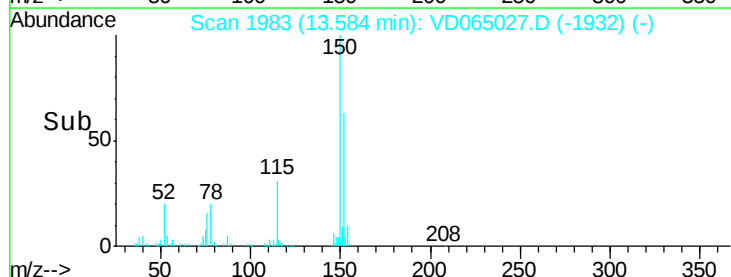
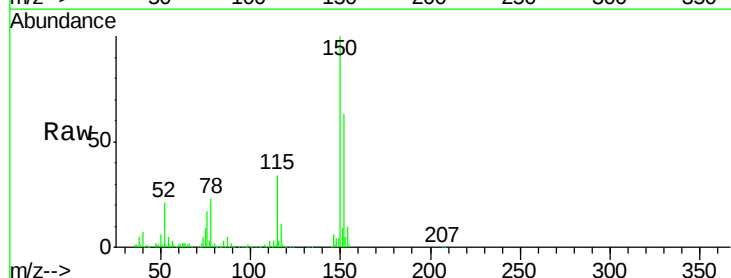
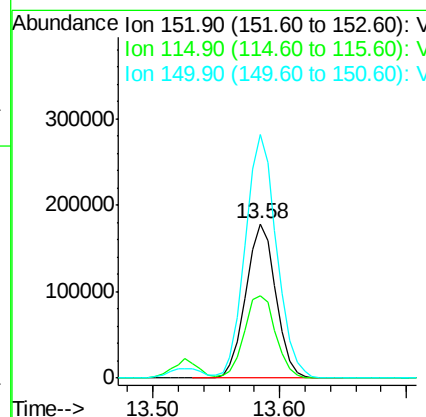
RT: 13.58 min Scan# 1983

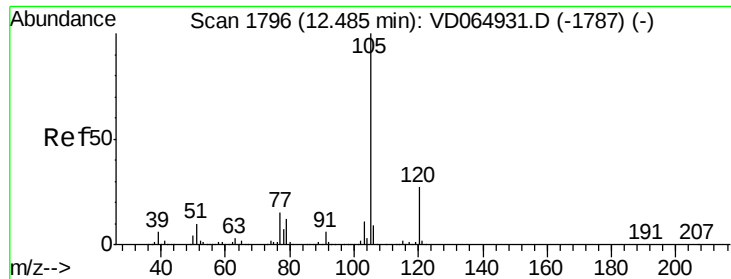
Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion:	152	Resp:	293659
Ion Ratio	Lower	Upper	
152	100		
115	56.1	28.1	84.4
150	164.3	0.0	350.4





#73

Isopropylbenzene

Concen: 21.266 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

Tot Ion:105 Resp: 426831

Ion Ratio Lower Upper

105 100

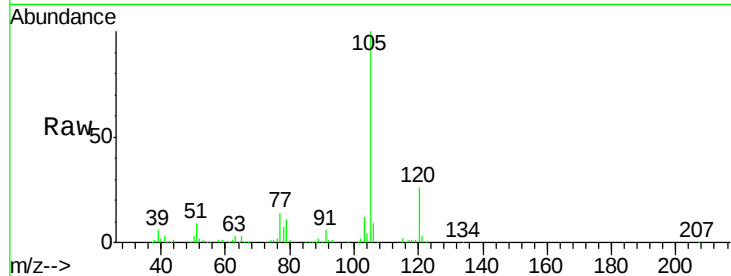
120 27.2 13.3 39.8

Manual Integrations

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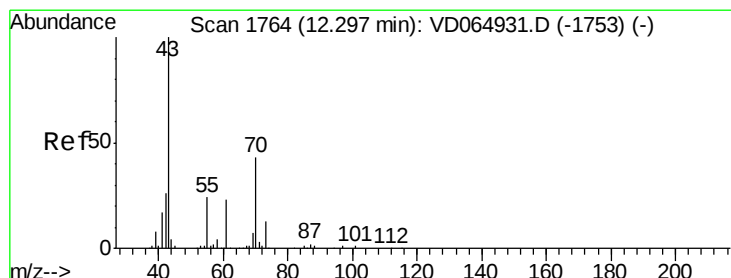
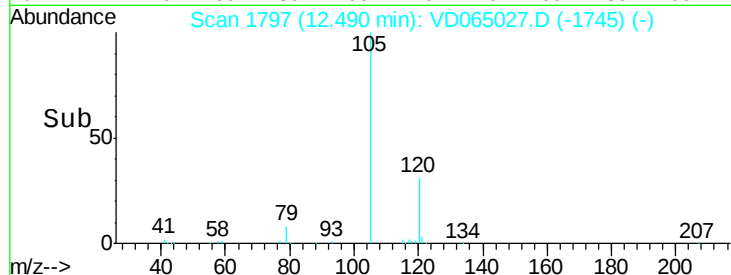
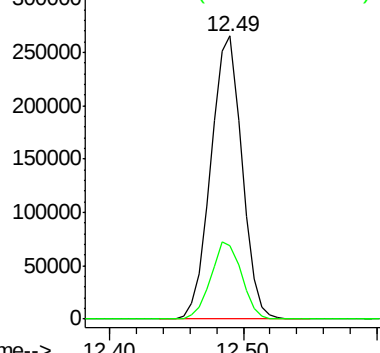
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.379 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion: 43 Resp: 91528

Ion Ratio Lower Upper

43 100

70 41.1 32.6 49.0

55 26.1 19.9 29.9

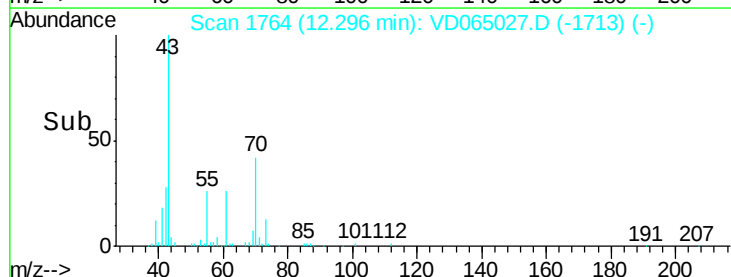
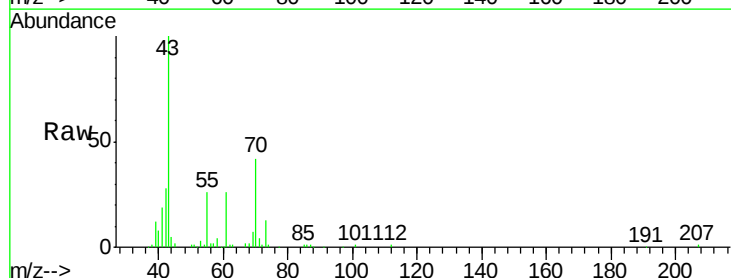
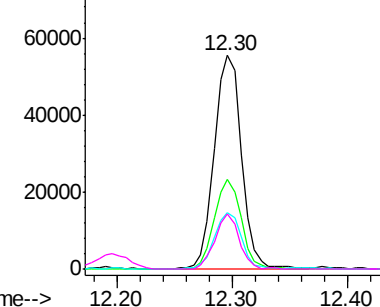
61 22.5 18.3 27.5

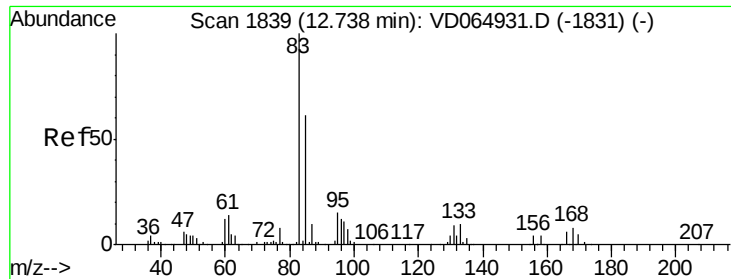
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.969 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

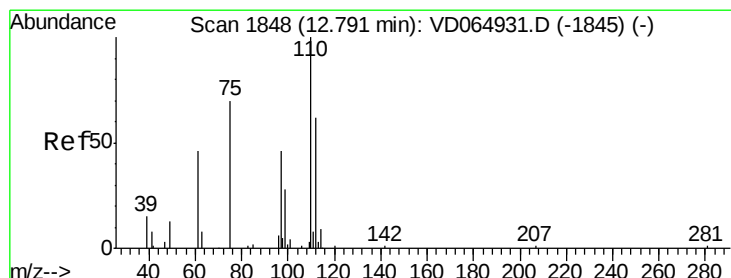
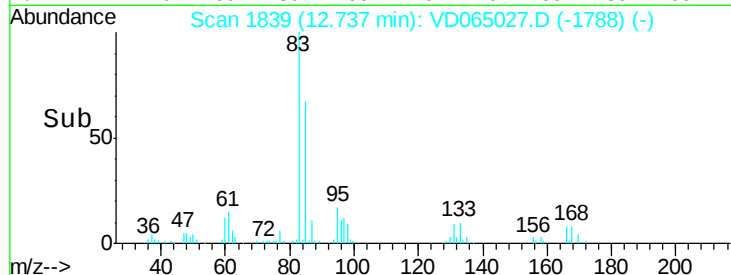
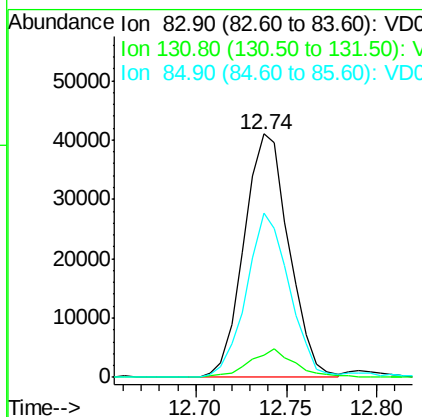
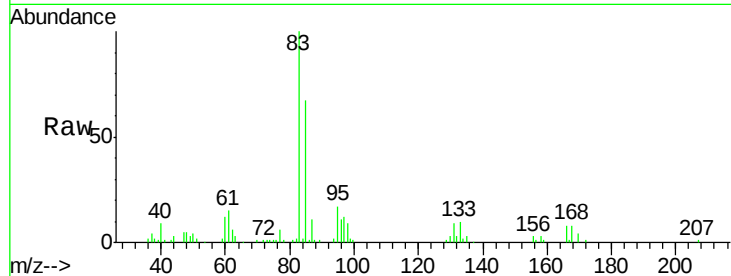
ClientSampleId :

VD0131SBS01

Tot Ion:	83	Resp:	70737
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.4
85	64.3	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.839 ug/l m

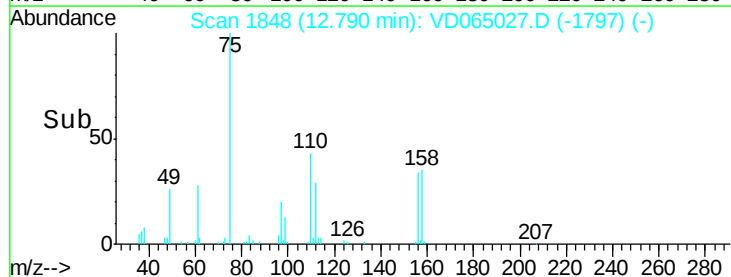
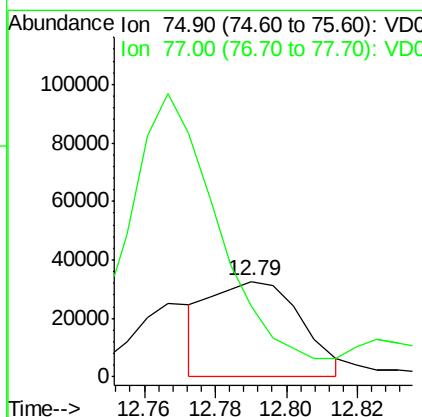
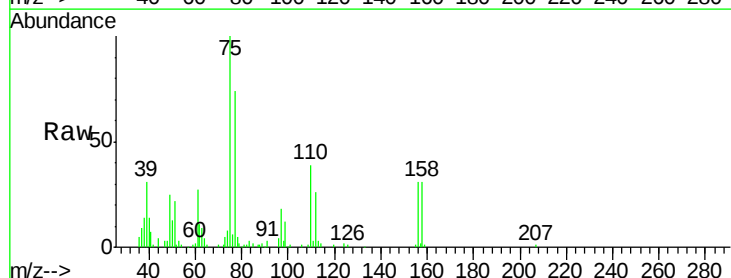
RT: 12.79 min Scan# 1848

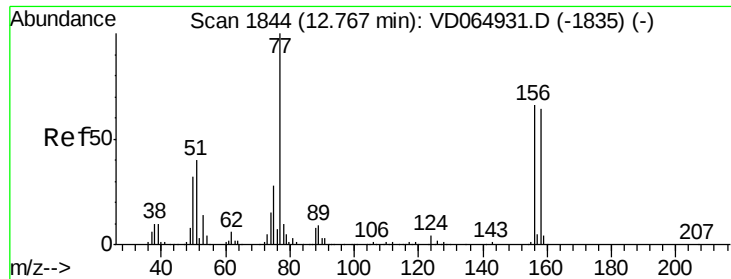
Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion:	75	Resp:	58106
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.317 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

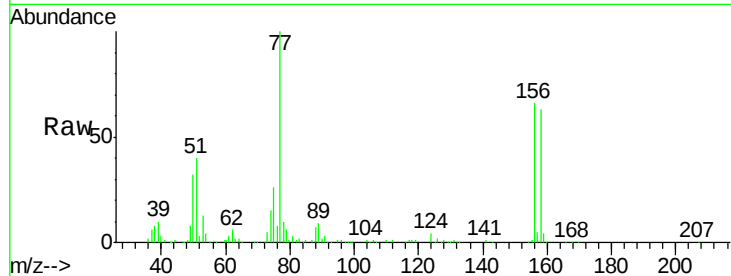
ClientSampleId :

VD0131SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.5	84.2	252.5
158	95.9	48.1	144.4

Manual Integrations
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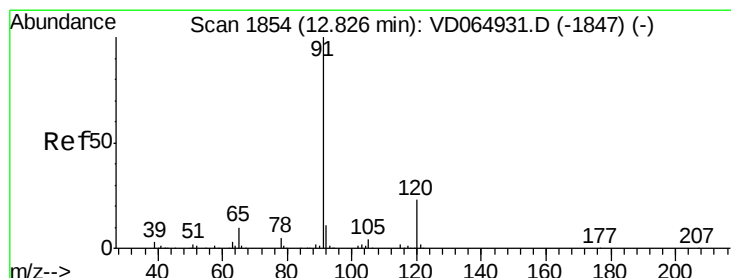
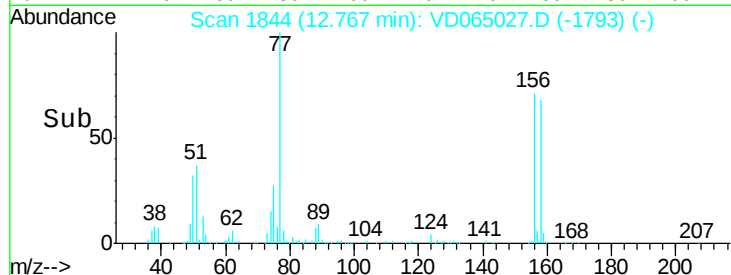
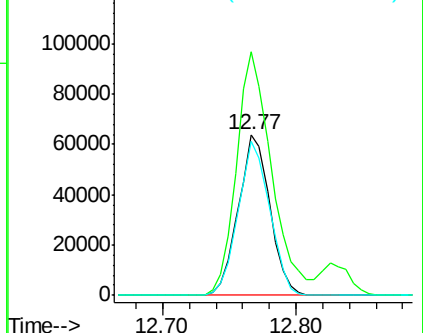
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.217 ug/l

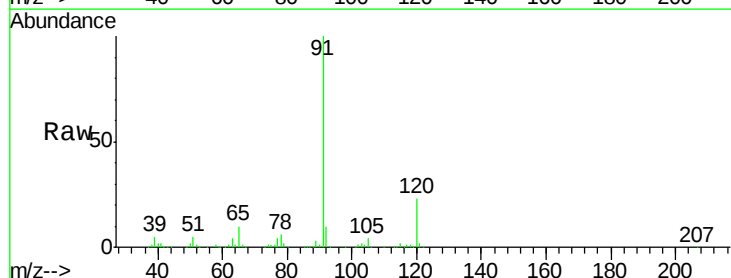
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065027.D

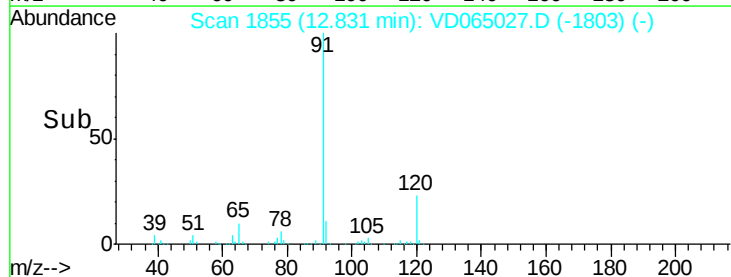
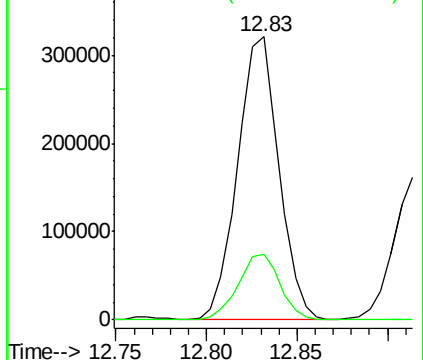
Acq: 31 Jan 2020 12:01

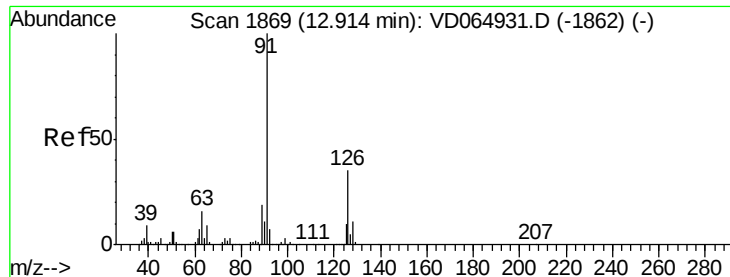
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





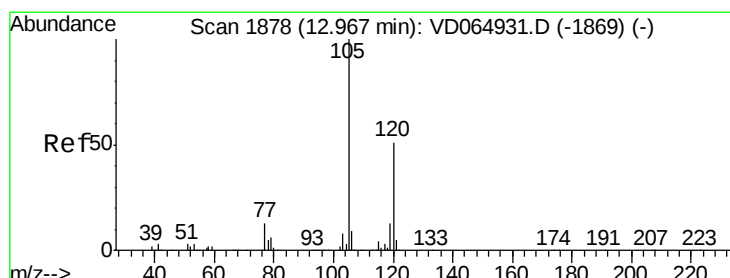
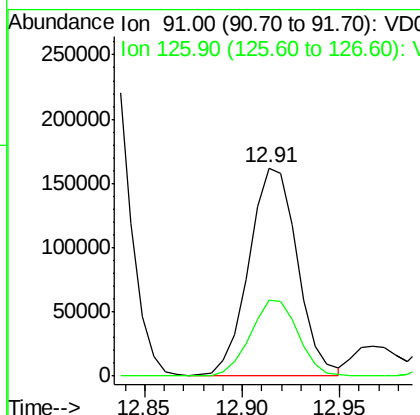
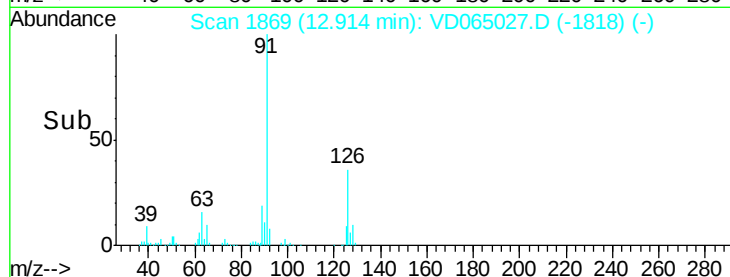
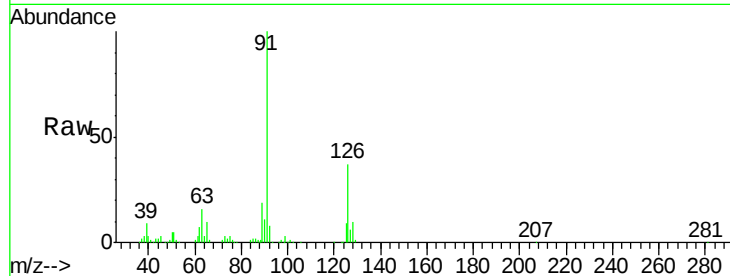
#79
2-Chlorotoluene
Concen: 21.199 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8

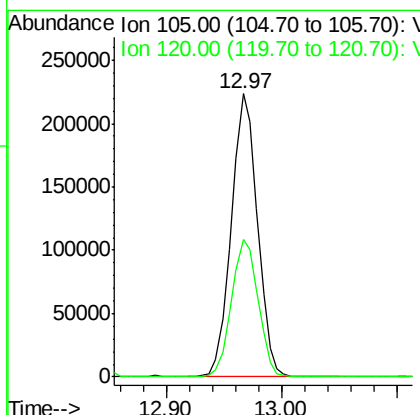
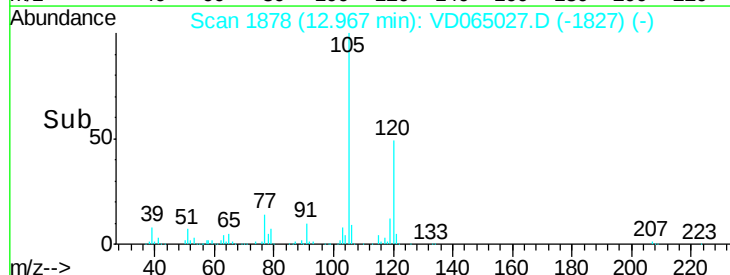
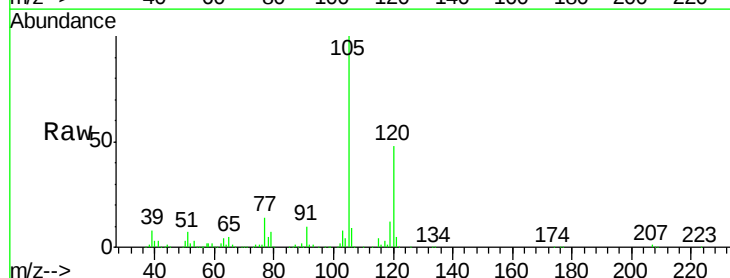
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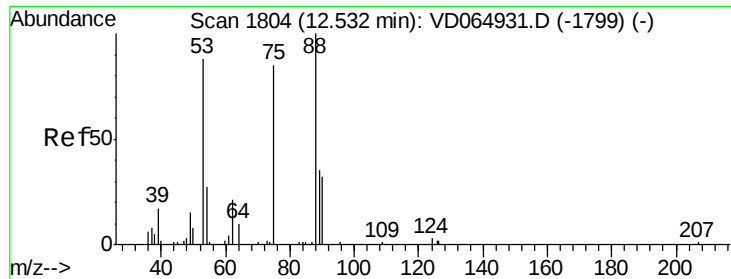
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#80
1,3,5-Trimethylbenzene
Concen: 21.333 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	25.6	76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.250 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

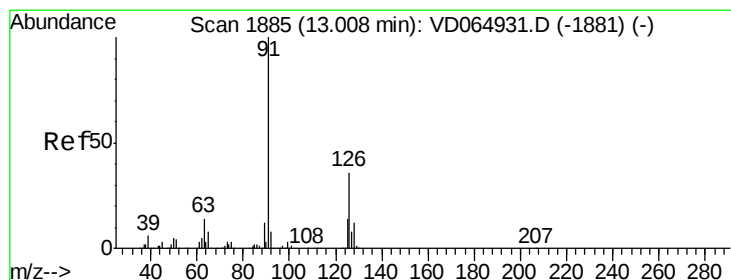
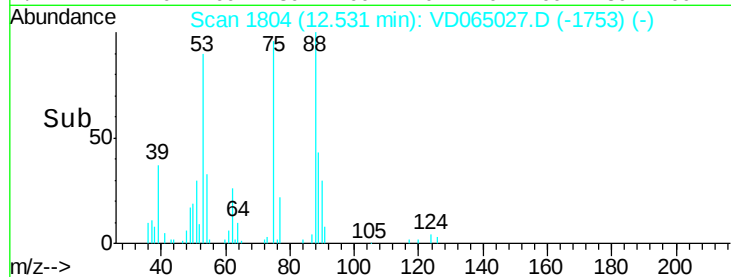
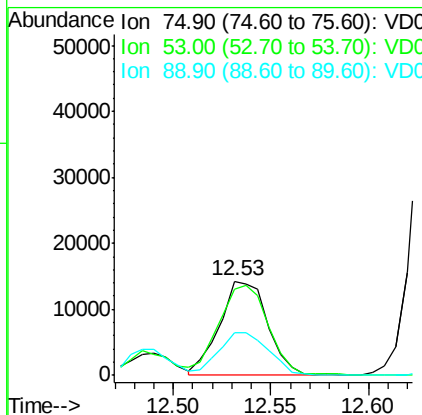
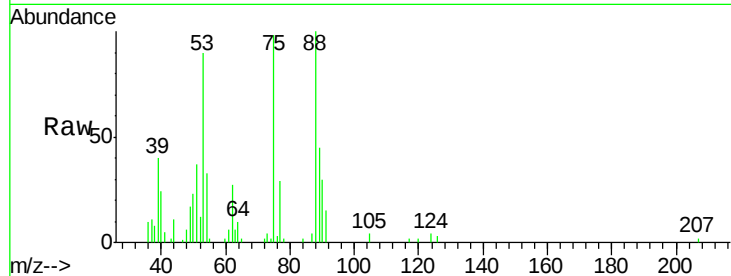
ClientSampleId :

VD0131SBS01

Tot Ion:	75	Resp:	24257
Ion	Ratio	Lower	Upper
75	100		
53	98.8	81.0	121.4
89	47.9	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.437 ug/l

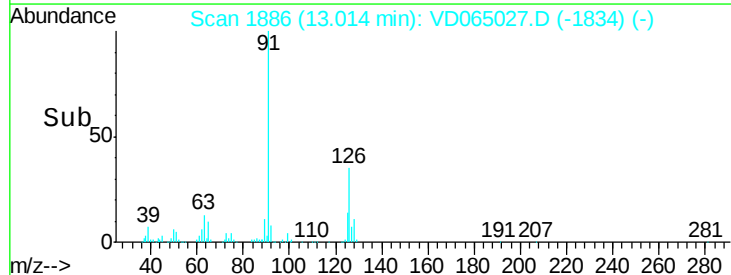
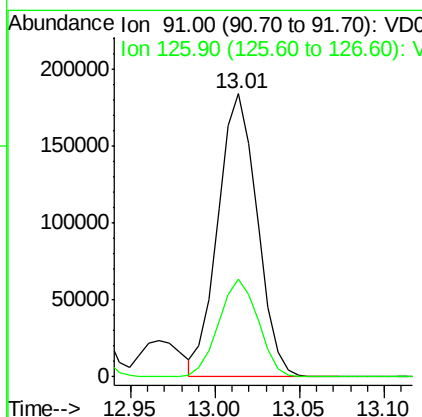
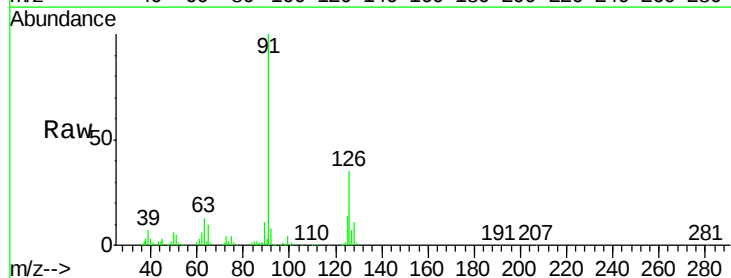
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion:	91	Resp:	297686
Ion	Ratio	Lower	Upper
91	100		
126	35.0	18.0	54.0





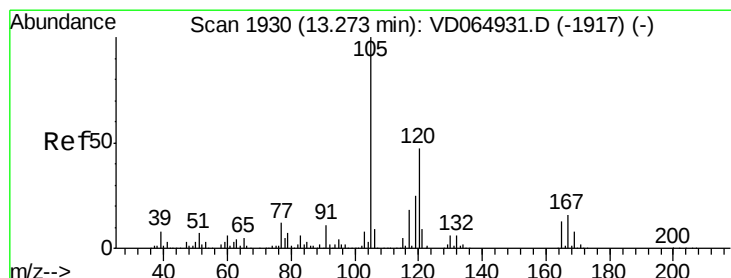
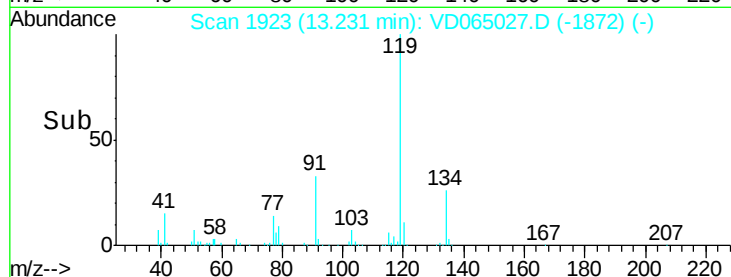
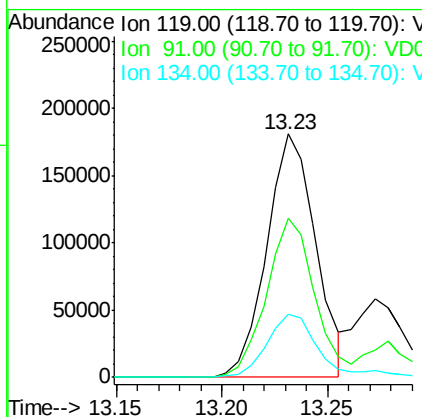
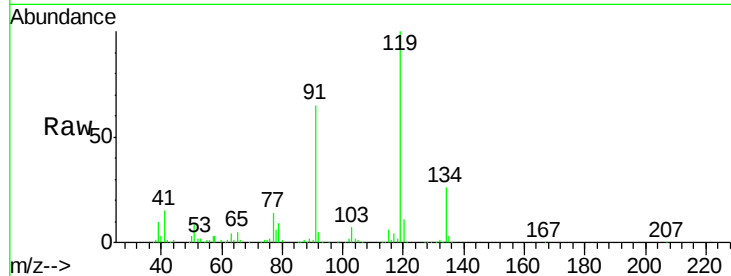
#83
tert-Butylbenzene
Concen: 20.858 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291151		
91	64.4	32.0	96.0	
134	27.6	13.9	41.6	

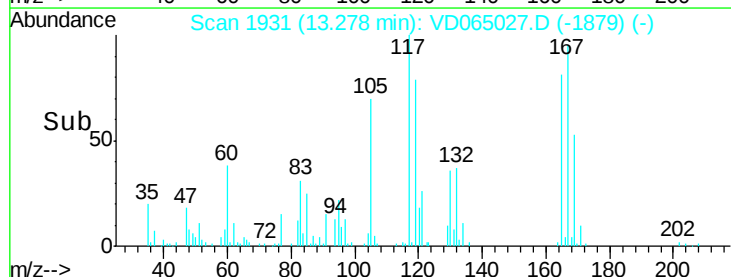
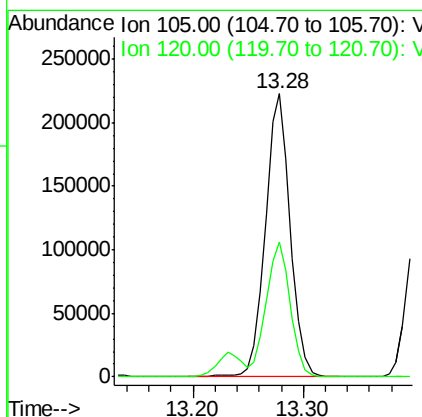
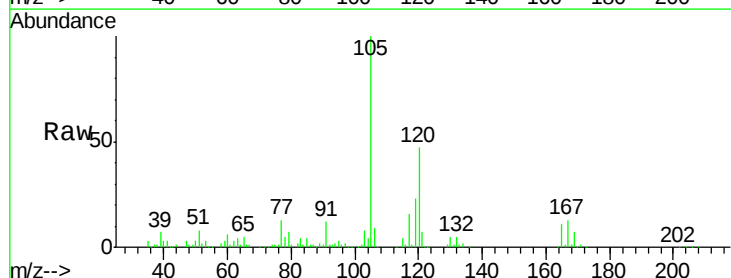
Manual Integrations
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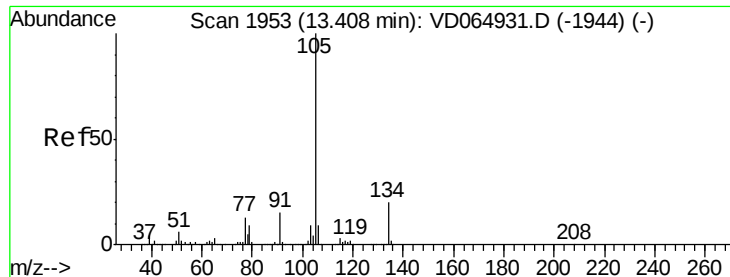
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#84
1,2,4-Trimethylbenzene
Concen: 20.901 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	348254		
120	46.7	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.952 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

Tot Ion:105 Resp: 414089

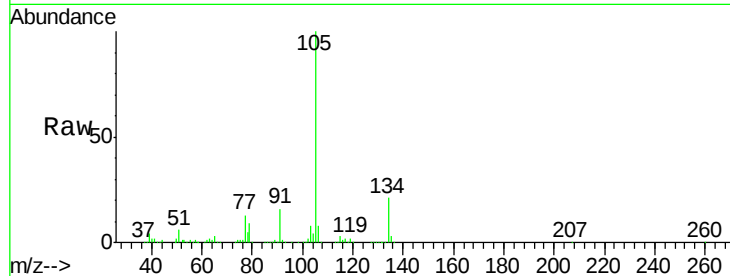
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

150000

100000

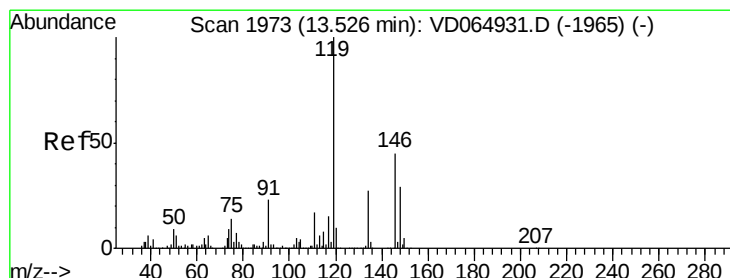
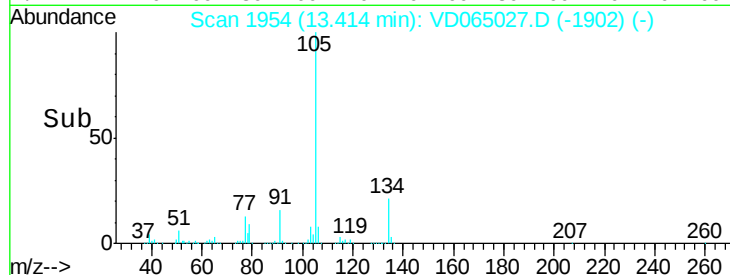
50000

0

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 20.785 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

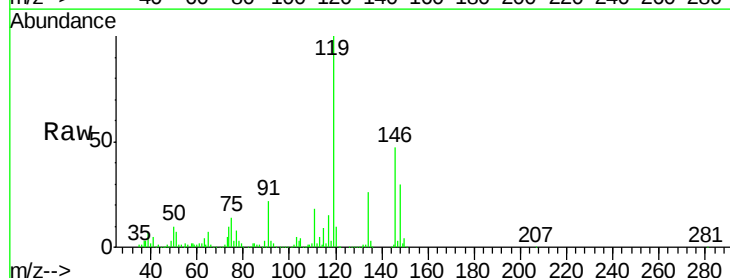
Tgt Ion:119 Resp: 384408

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 22.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

300000

200000

100000

0

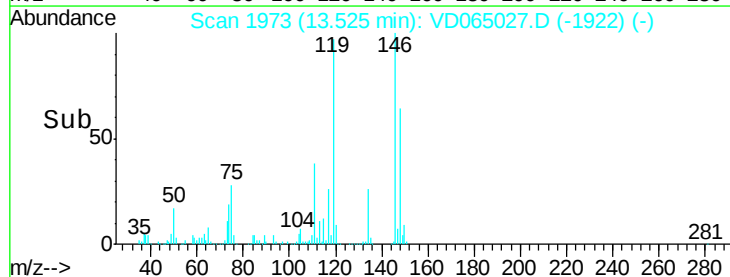
13.45

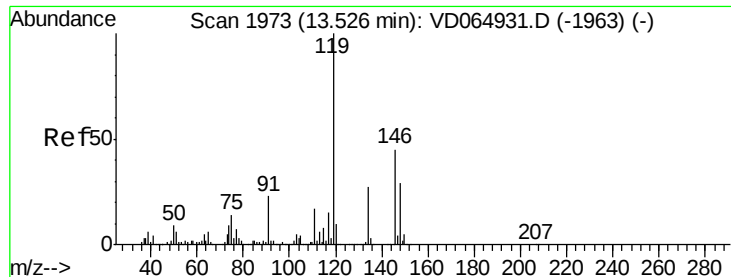
13.50

13.55

13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.757 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

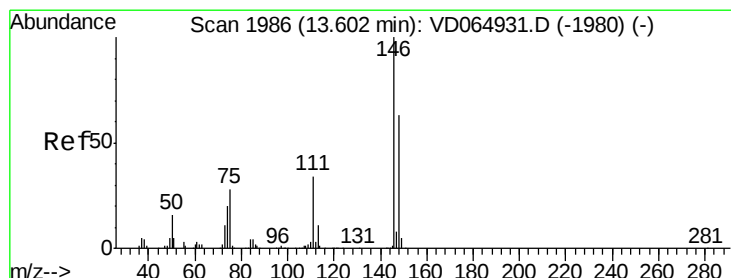
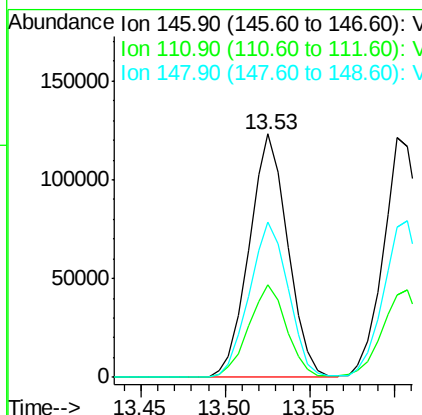
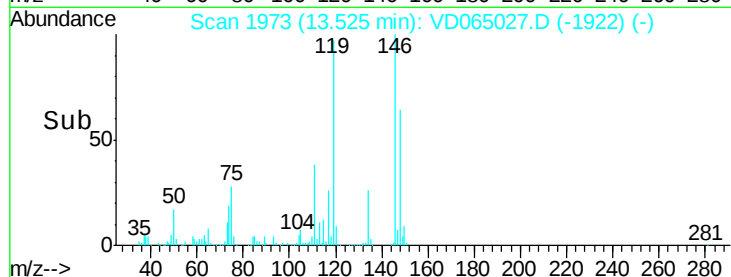
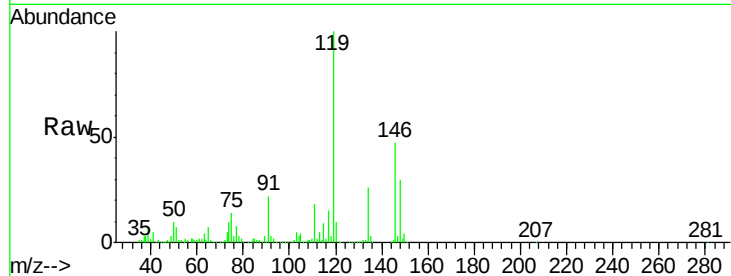
Instrument :
MSVOA_D

ClientSampleId :
VD0131SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195585		
111	37.6	18.9	56.9	
148	64.6	32.6	97.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.740 ug/l

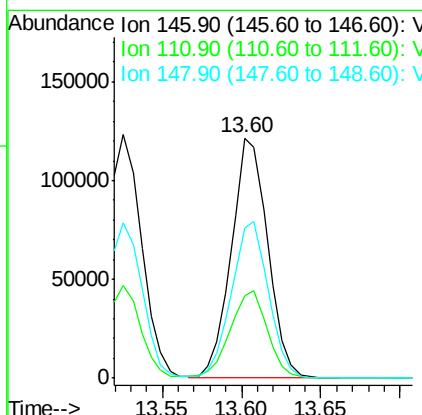
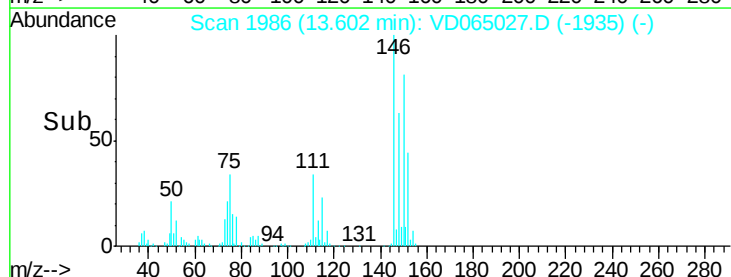
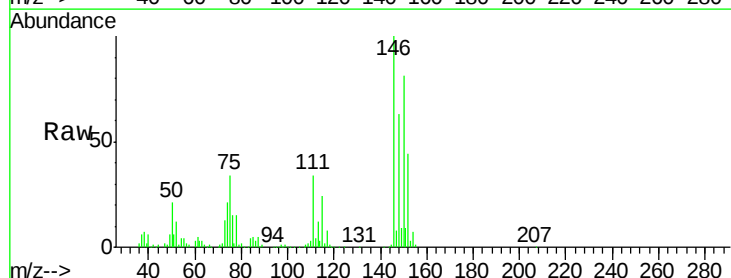
RT: 13.60 min Scan# 1986

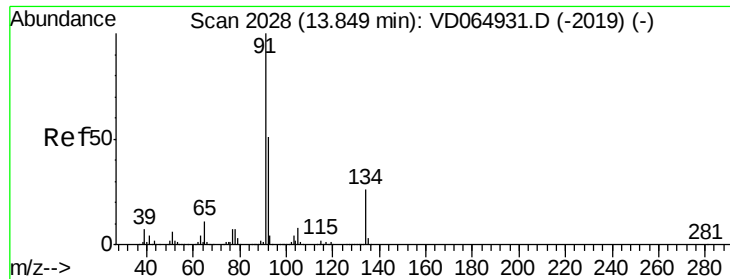
Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	193958		
111	37.6	18.2	54.6	
148	66.3	32.0	96.0	





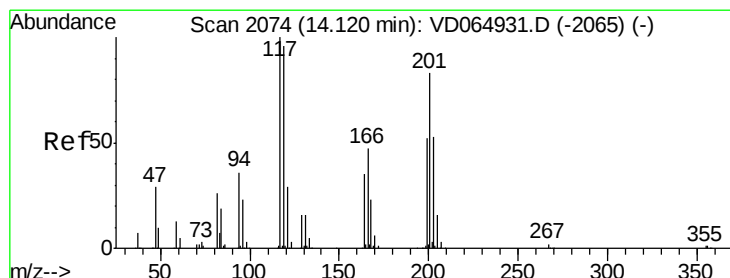
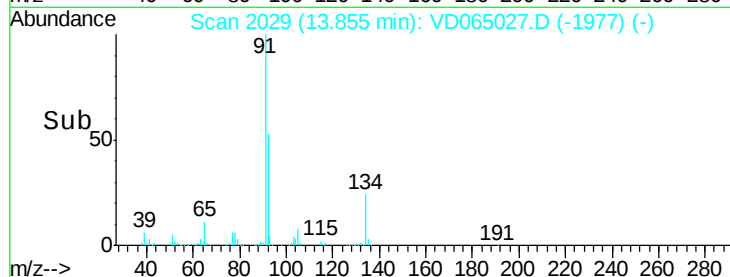
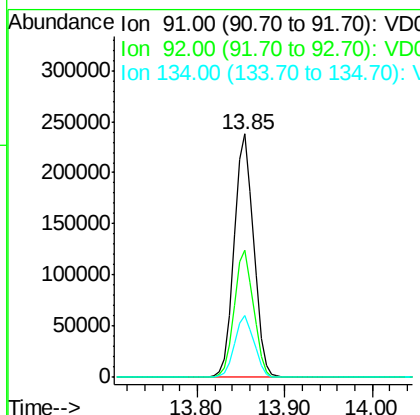
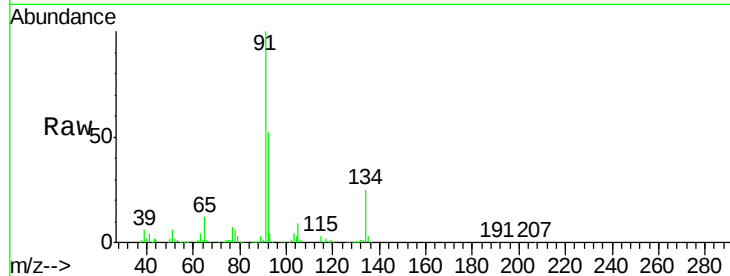
#89
n-Butylbenzene
Concen: 21.152 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.4	79.0
134	25.4	13.3	39.9

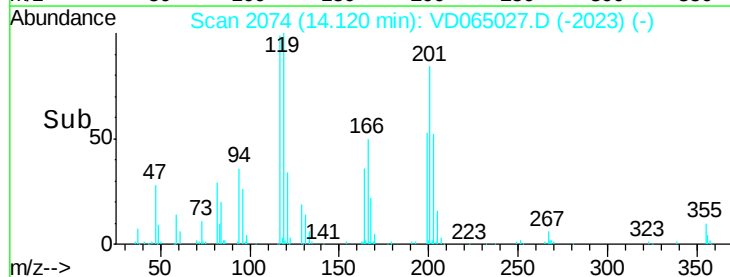
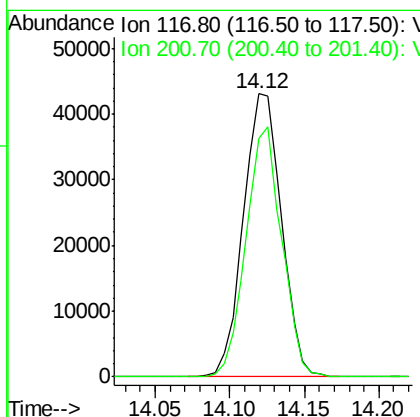
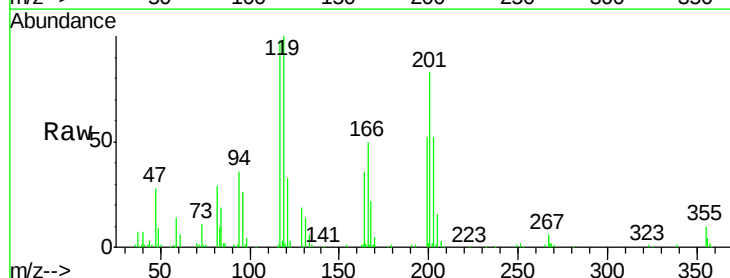
Manual Integrations
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2/3/2020 10:52:28 AM



#90
Hexachloroethane
Concen: 21.298 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	41.1	123.3





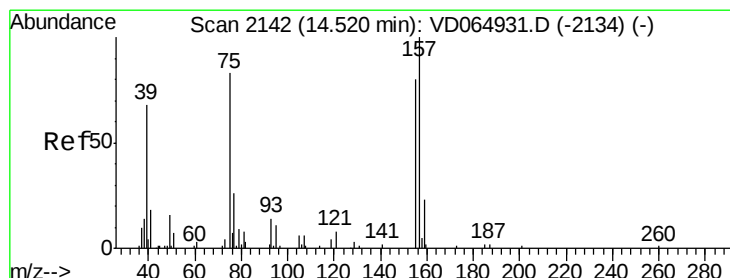
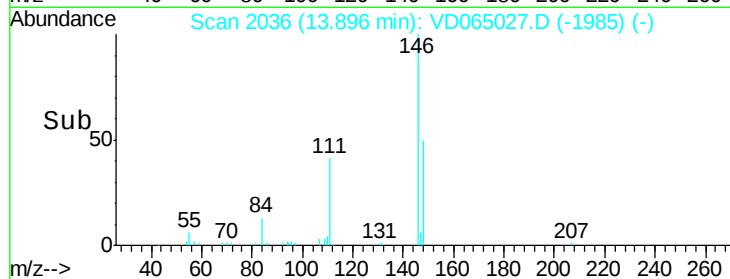
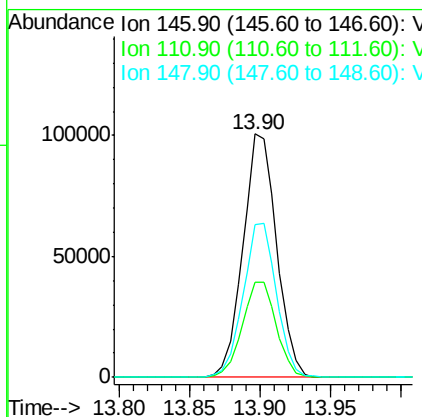
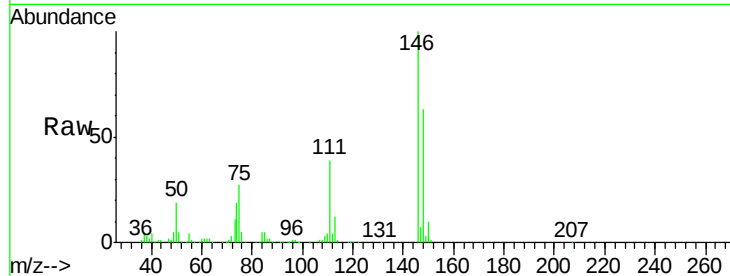
#91
 1,2-Dichlorobenzene
 Concen: 21.020 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168151		
111	39.4	19.4	58.2	
148	62.6	31.6	95.0	

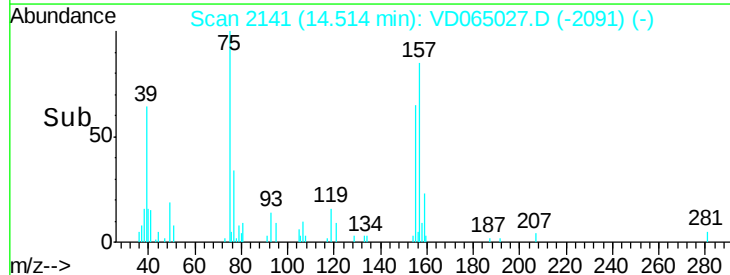
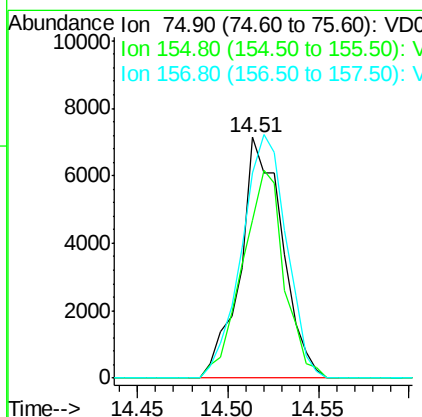
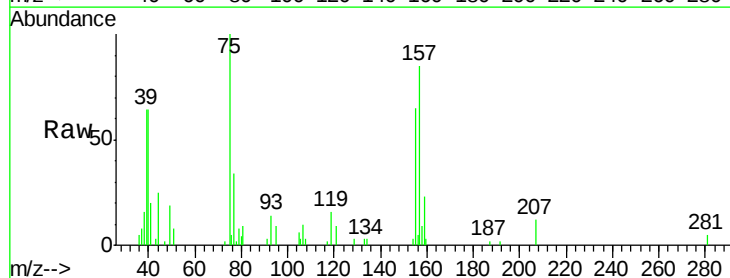
Manual Integrations
 APPROVED

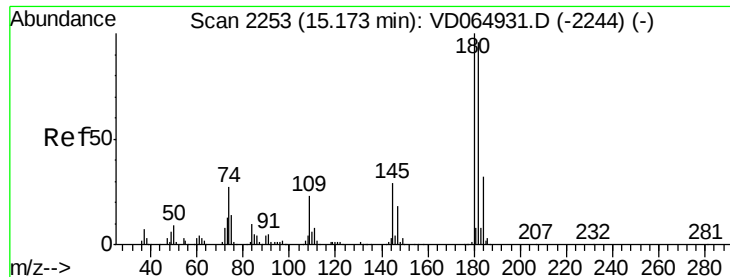
MMDadoda
 2/3/2020 10:52:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.256 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11475		
155	85.6	44.9	134.7	
157	107.9	58.9	176.6	





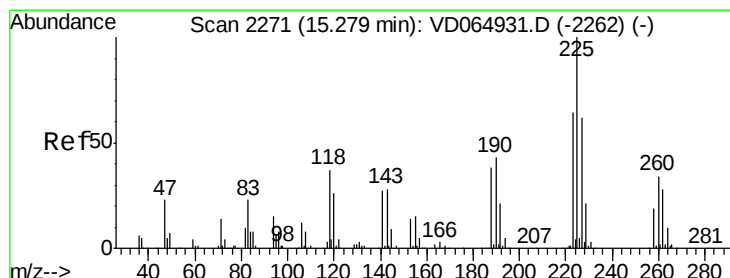
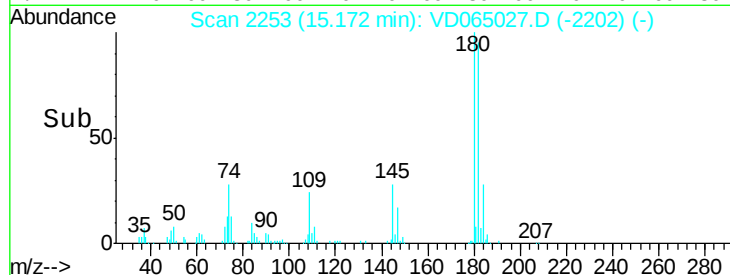
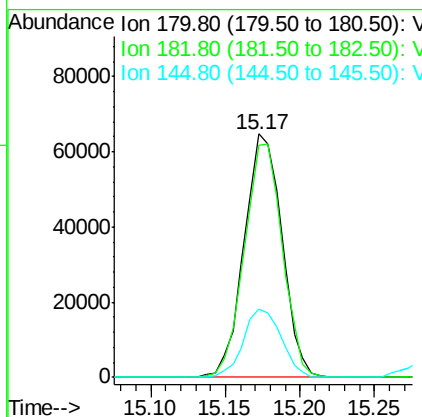
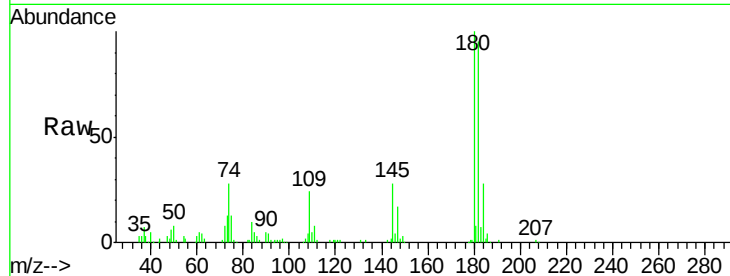
#93
 1,2,4-Trichlorobenzene
 Concen: 20.541 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.1	141.4	
145	27.9	14.1	42.3	

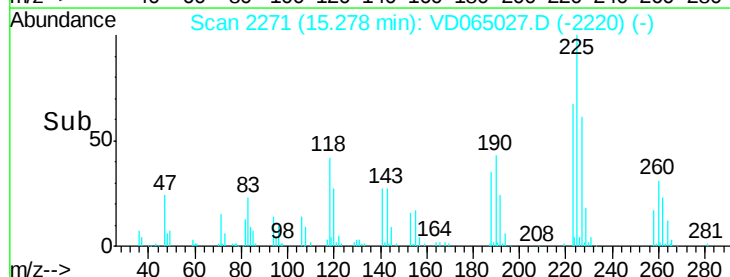
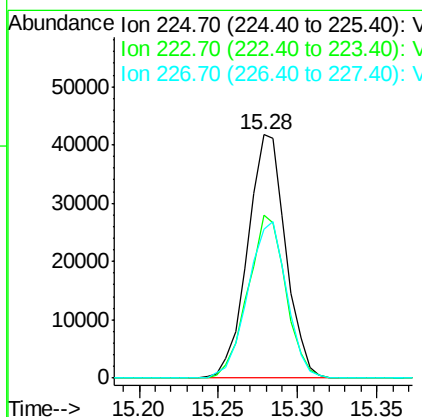
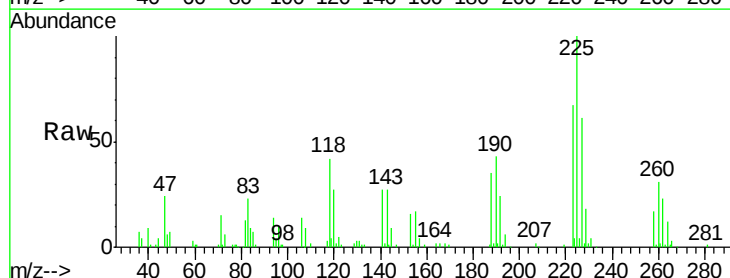
Manual Integrations
 APPROVED

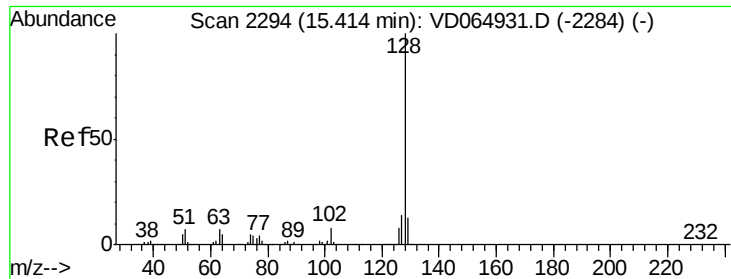
MMDadoda
 2/3/2020 10:52:28 AM



#94
 Hexachlorobutadiene
 Concen: 19.951 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.5	32.4	97.2	
227	65.5	31.9	95.9	





#95

Naphthalene

Concen: 19.988 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

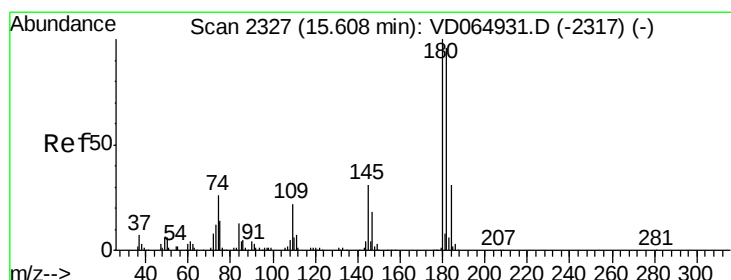
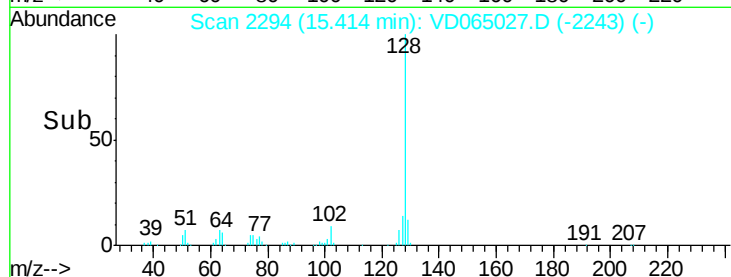
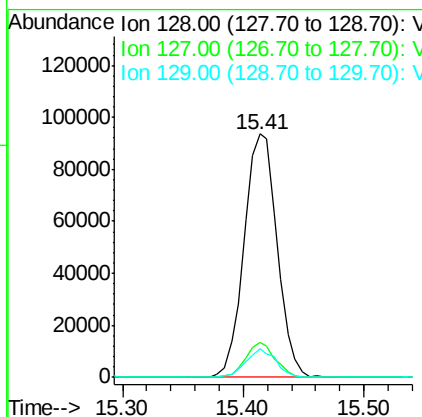
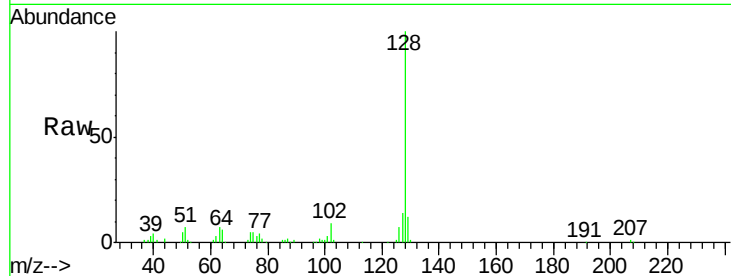
ClientSampleId :

VD0131SBS01

Tot Ion:	128	Resp:	178523
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.7	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
2/3/2020 10:52:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.336 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion:	180	Resp:	97580
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.3	141.8
145	28.9	14.6	43.8

