

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100419\
 Data File : VD063886.D
 Acq On : 04 Oct 2019 14:38
 Operator : VA/SY
 Sample : VD1004SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Manual Integrations
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 10/8/2019 3:11:27 PM

Quant Time: Oct 05 04:02:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	197646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	312802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162872	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	88523	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.91	113	89343	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
50) Toluene-d8	10.34	98	370940	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.63	95	124605	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	28007	19.981	ug/l	100
3) Chloromethane	2.21	50	86031	20.103	ug/l	96
4) Vinyl Chloride	2.35	62	91837	20.272	ug/l	98
5) Bromomethane	2.76	94	49910	17.137	ug/l	94
6) Chloroethane	2.91	64	59958	20.013	ug/l	99
7) Trichlorofluoromethane	3.27	101	121999	20.369	ug/l	96
8) Diethyl Ether	3.70	74	20249	21.063	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	34396	20.746	ug/l	97
10) Methyl Iodide	4.29	142	44947	19.674	ug/l	99
11) Tert butyl alcohol	5.25	59	13296m	94.472	ug/l	
12) 1,1-Dichloroethene	4.06	96	34558	20.863	ug/l	88
13) Acrolein	3.91	56	15828	92.098	ug/l	83
14) Allyl chloride	4.71	41	56329	20.454	ug/l	99
15) Acrylonitrile	5.43	53	44066	103.965	ug/l	96
16) Acetone	4.16	43	44837	89.498	ug/l	93
17) Carbon Disulfide	4.40	76	117959	19.590	ug/l	97
18) Methyl Acetate	4.72	43	19864	20.272	ug/l #	80
19) Methyl tert-butyl Ether	5.48	73	87031	20.290	ug/l	99
20) Methylene Chloride	4.96	84	52904	22.121	ug/l	91
21) trans-1,2-Dichloroethene	5.46	96	40905	19.837	ug/l	93
22) Diisopropyl ether	6.36	45	113067	20.103	ug/l	94
23) Vinyl Acetate	6.31	43	344948	103.096	ug/l	97
24) 1,1-Dichloroethane	6.26	63	71079	20.517	ug/l	98
25) 2-Butanone	7.22	43	59642	100.455	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	64602	20.614	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	49365	21.150	ug/l	97
28) Bromochloromethane	7.55	49	24829	20.012	ug/l	93
29) Tetrahydrofuran	7.57	42	33761	97.422	ug/l	100
30) Chloroform	7.71	83	76327	20.285	ug/l	95
31) Cyclohexane	7.98	56	67055	21.104	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	66995	20.756	ug/l	98
36) 1,1-Dichloropropene	8.11	75	57489	19.730	ug/l	97
37) Ethyl Acetate	7.30	43	23066	17.119	ug/l	96
38) Carbon Tetrachloride	8.10	117	59671	20.265	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	72893	20.346	ug/l	93
40) Benzene	8.35	78	172323	20.637	ug/l	91
41) Methacrylonitrile	7.53	41	12838	19.003	ug/l	95
42) 1,2-Dichloroethane	8.43	62	48423	20.047	ug/l	99
43) Isopropyl Acetate	8.46	43	49331	20.187	ug/l	98
44) Trichloroethene	9.11	130	48810	20.271	ug/l	99
45) 1,2-Dichloropropane	9.39	63	42347	20.719	ug/l	97
46) Dibromomethane	9.48	93	22950	19.717	ug/l	97
47) Bromodichloromethane	9.66	83	59324	19.796	ug/l	99
48) Methyl methacrylate	9.46	41	21826	18.641	ug/l	89
49) 1,4-Dioxane	9.46	88	6555	412.566	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	129881	102.484	ug/l	96
52) Toluene	10.40	92	113241	19.755	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	59692	20.412	ug/l #	85
54) cis-1,3-Dichloropropene	10.08	75	67989	20.197	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	34006	20.691	ug/l	89
56) Ethyl methacrylate	10.66	69	41339	19.863	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57825	20.564	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	85081	95.105	ug/l	99
59) 2-Hexanone	10.98	43	93208	101.672	ug/l	97
60) Dibromochloromethane	11.14	129	42326	19.782	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32557	20.434	ug/l	97
64) Tetrachloroethene	10.87	164	42538	19.920	ug/l	97
65) Chlorobenzene	11.67	112	131101	20.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	44914	19.403	ug/l	99
67) Ethyl Benzene	11.74	91	227527	20.086	ug/l	97
68) m/p-Xylenes	11.85	106	178796	40.894	ug/l	99
69) o-Xylene	12.18	106	83483	19.941	ug/l	100
70) Styrene	12.19	104	143714	20.278	ug/l	99
71) Bromoform	12.36	173	25094	20.200	ug/l #	96
73) Isopropylbenzene	12.48	105	227020	20.734	ug/l	98
74) N-amyl acetate	12.29	43	49819	21.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	39573	20.770	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	17886m	16.396	ug/l	
77) Bromobenzene	12.76	156	53834	19.735	ug/l	95
78) n-propylbenzene	12.82	91	274042	21.323	ug/l	96
79) 2-Chlorotoluene	12.91	91	149029	21.030	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	190318	20.835	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	12322	19.989	ug/l	97
82) 4-Chlorotoluene	13.01	91	157372	20.934	ug/l	98
83) tert-Butylbenzene	13.22	119	167075	20.552	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	188305	19.996	ug/l	98
85) sec-Butylbenzene	13.40	105	229060	20.864	ug/l	99
86) p-Isopropyltoluene	13.51	119	217389	20.925	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	107968	20.031	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109963	20.680	ug/l	97
89) n-Butylbenzene	13.84	91	203565	21.051	ug/l	98
90) Hexachloroethane	14.11	117	38107	20.395	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	98235	21.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6575	20.774	ug/l	95

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MSVOA_D
ClientSampleId :
VD1004SBS01

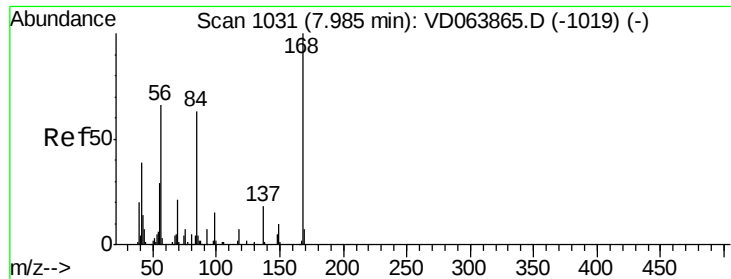
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	71348	19.907	ug/l	99
94) Hexachlorobutadiene	15.27	225	38656	19.545	ug/l	95
95) Naphthalene	15.40	128	126032	20.921	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	62724	20.284	ug/l	97

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



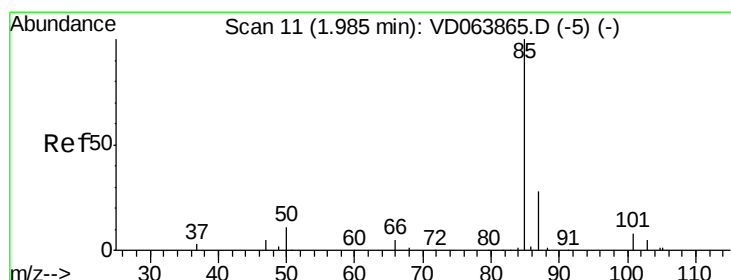
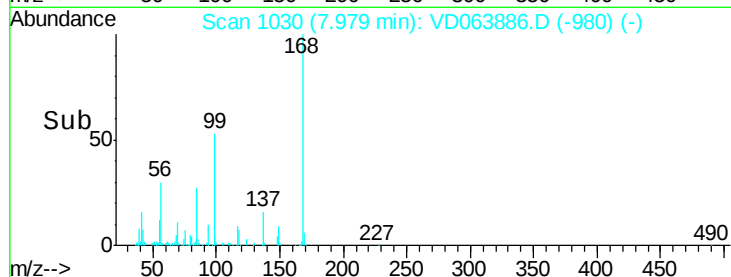
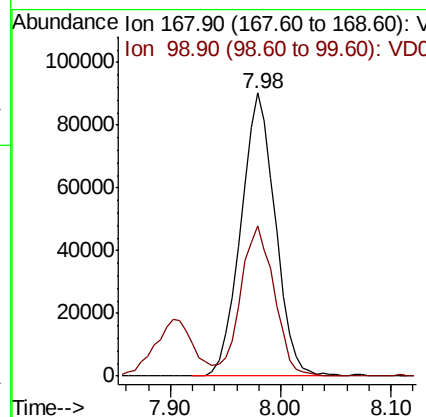
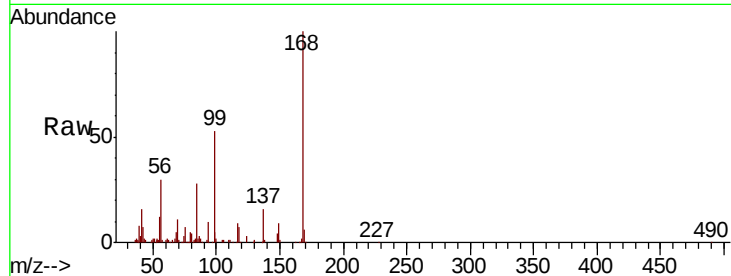
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion:168 Resp: 197646
Ion Ratio Lower Upper
168 100
99 53.0 43.0 64.4

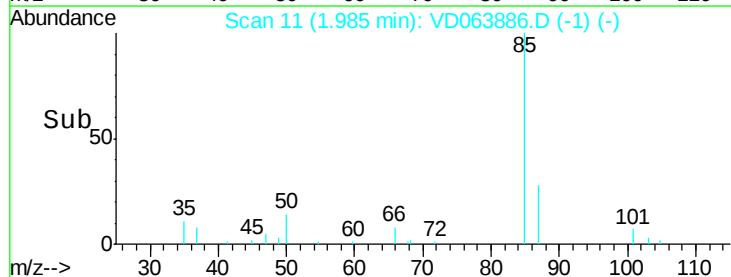
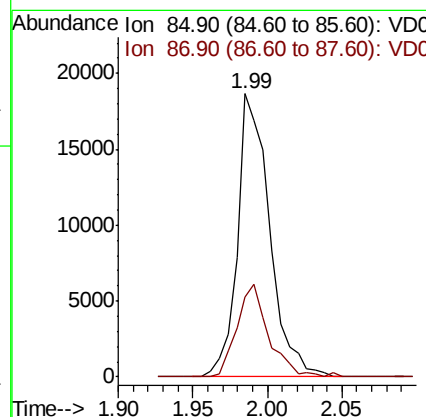
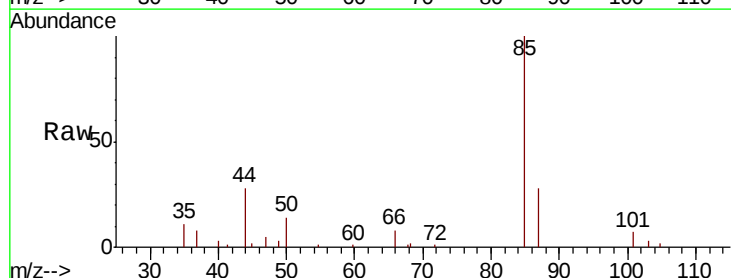
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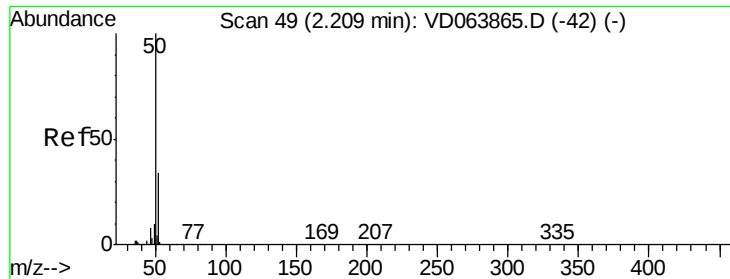
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#2
Dichlorodifluoromethane
Concen: 19.981 ug/l
RT: 1.99 min Scan# 11
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 85 Resp: 28007
Ion Ratio Lower Upper
85 100
87 28.1 14.0 42.0





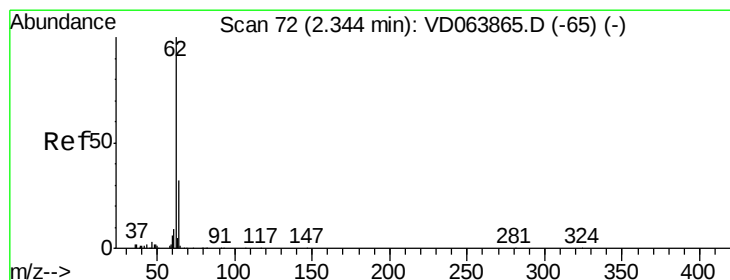
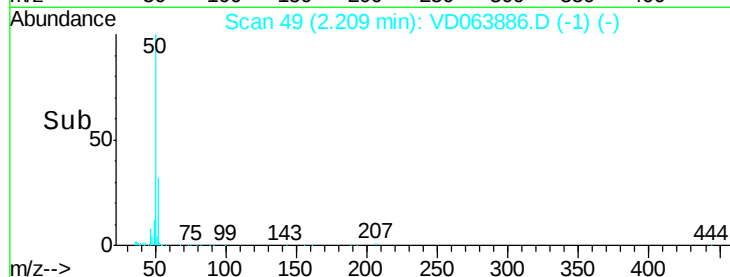
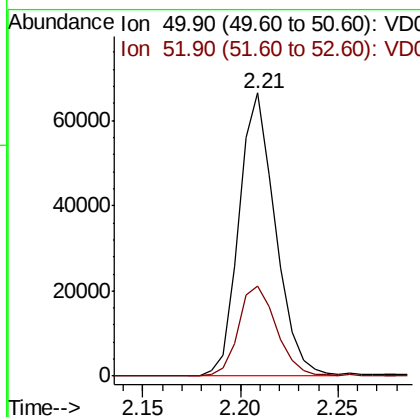
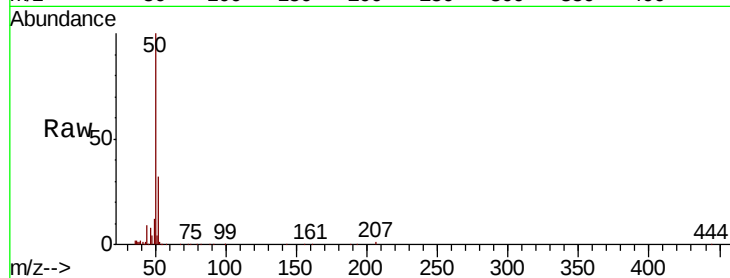
#3
Chloromethane
Concen: 20.103 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.1	27.5	41.3

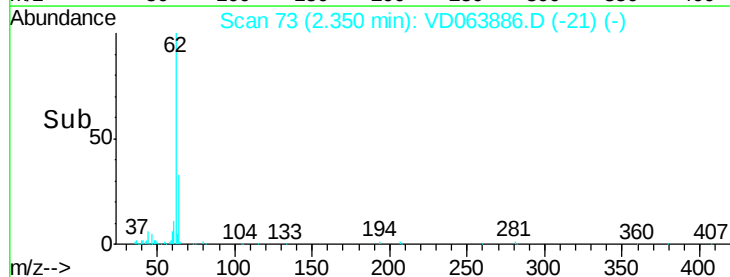
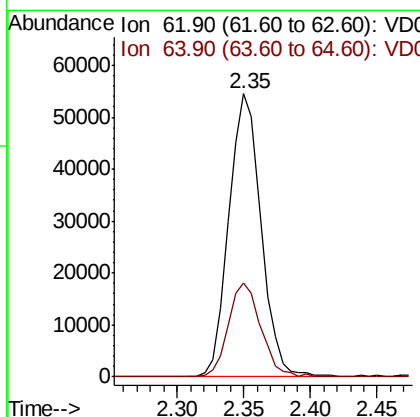
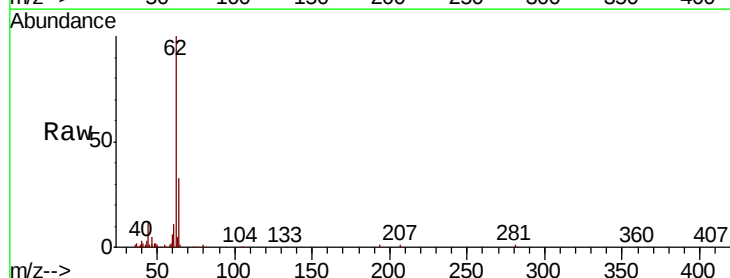
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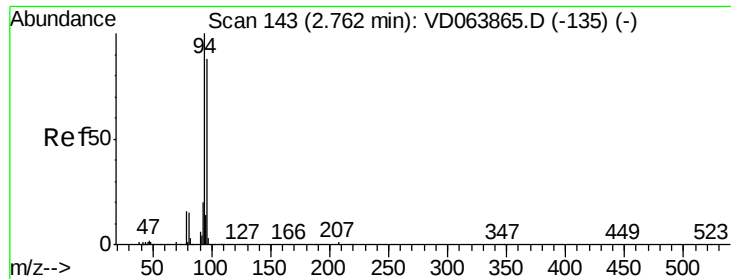
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#4
Vinyl Chloride
Concen: 20.272 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.4	38.0





#5

Bromomethane

Concen: 17.137 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 94 Resp: 49910

Ion Ratio Lower Upper

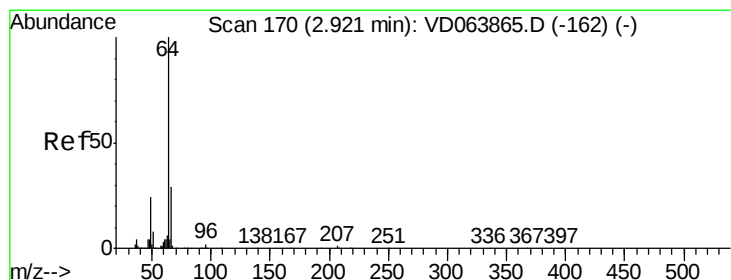
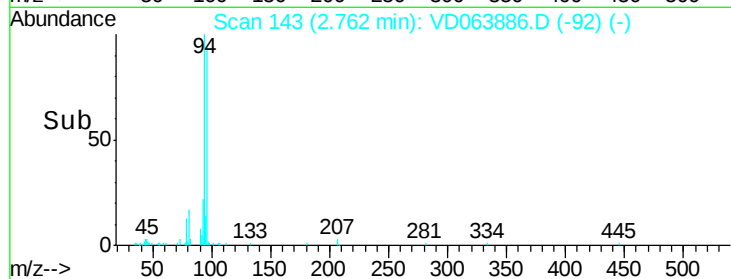
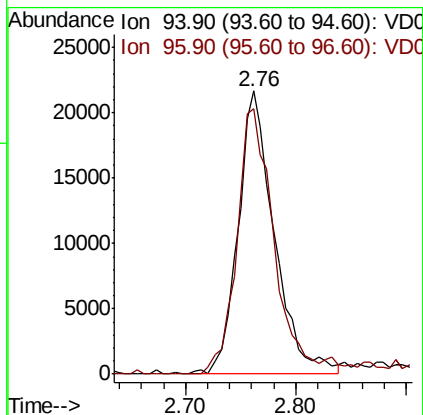
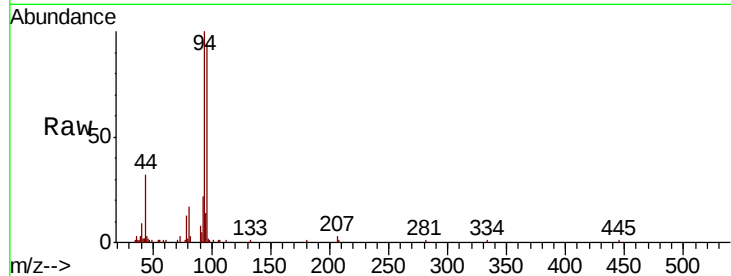
94 100

96 93.8 70.8 106.2

Manual Integrations
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#6

Chloroethane

Concen: 20.013 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063886.D

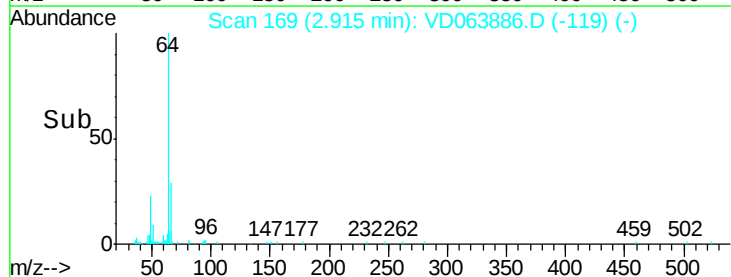
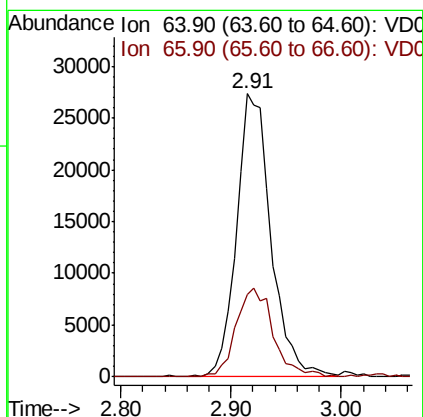
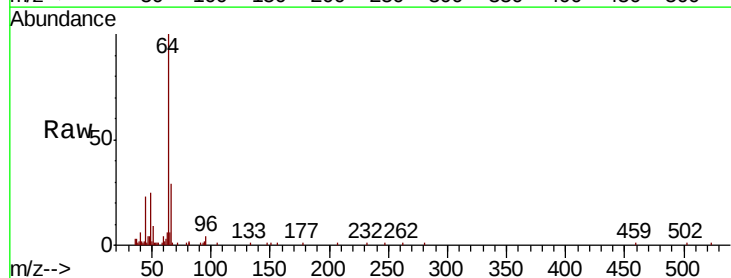
Acq: 04 Oct 2019 14:38

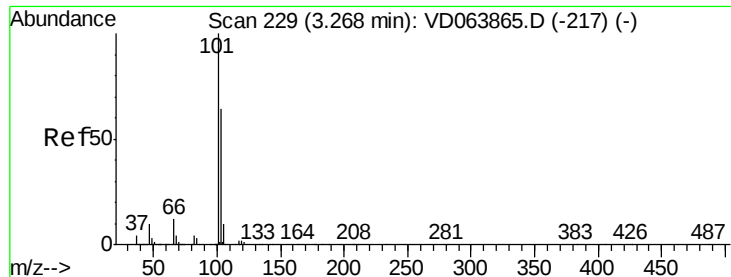
Tgt Ion: 64 Resp: 59958

Ion Ratio Lower Upper

64 100

66 29.0 23.0 34.4





#7

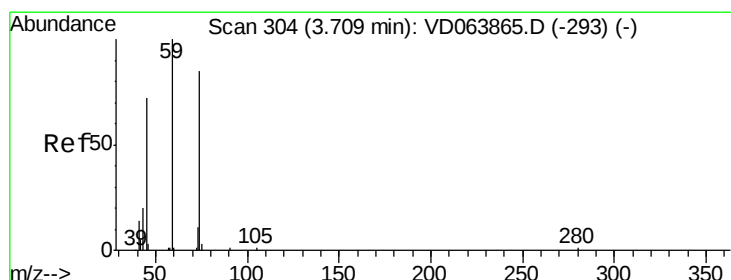
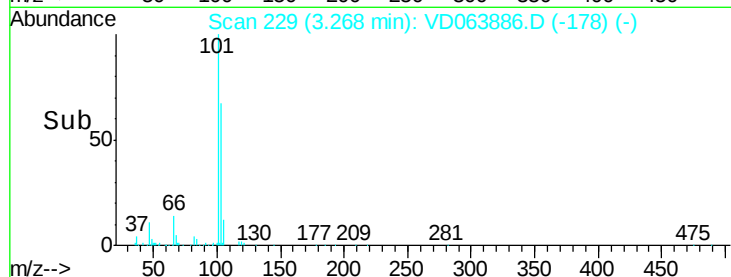
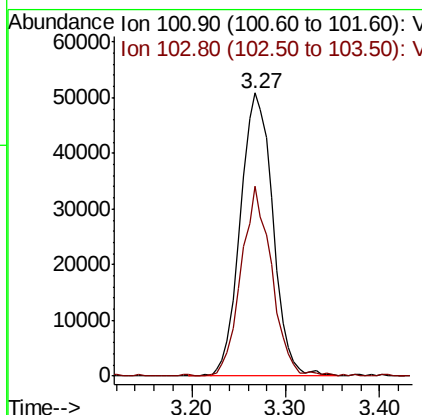
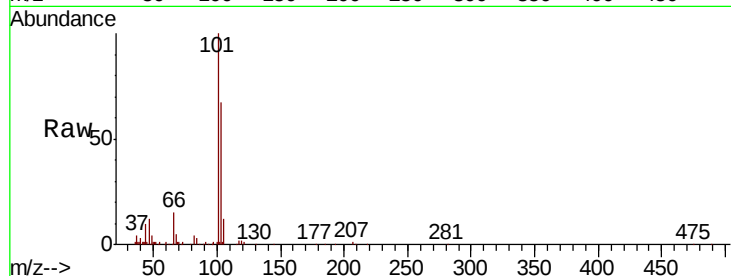
Trichlorofluoromethane
 Concen: 20.369 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

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 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.1	76.7

Manual Integrations
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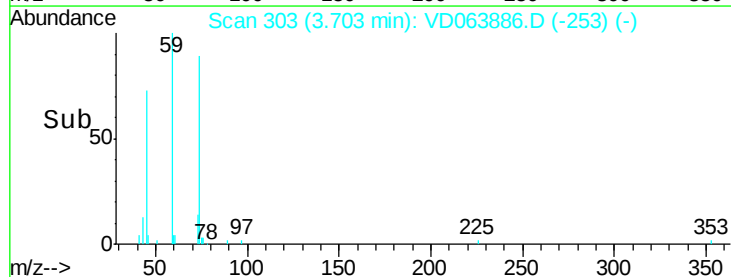
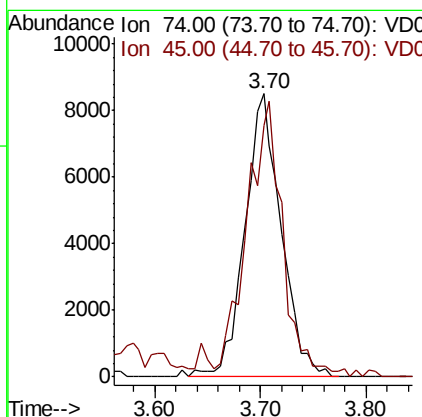
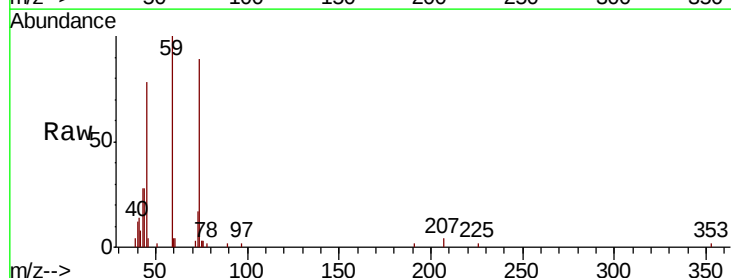
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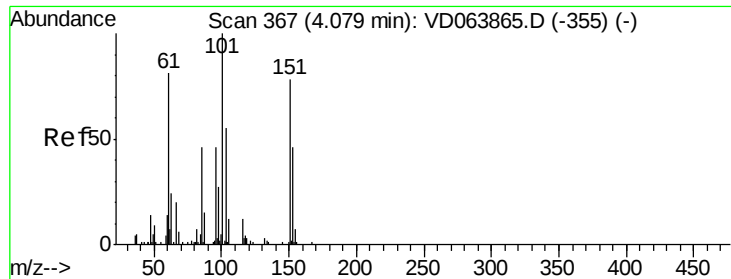


#8

Diethyl Ether
 Concen: 21.063 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.746 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

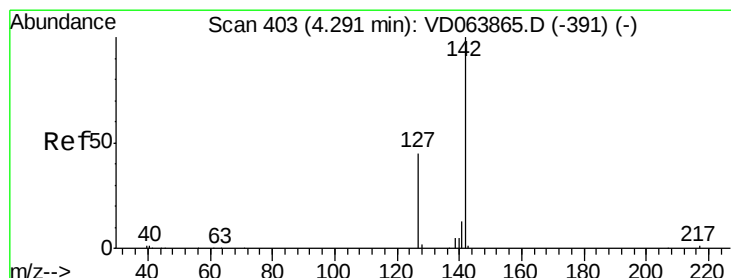
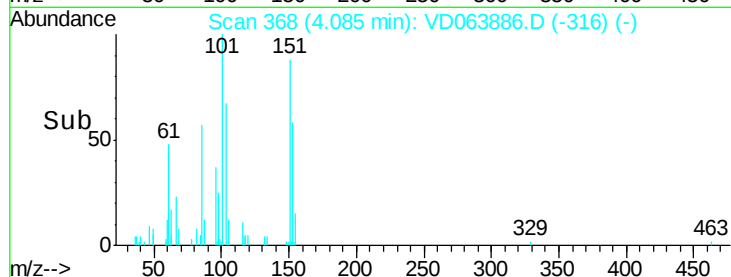
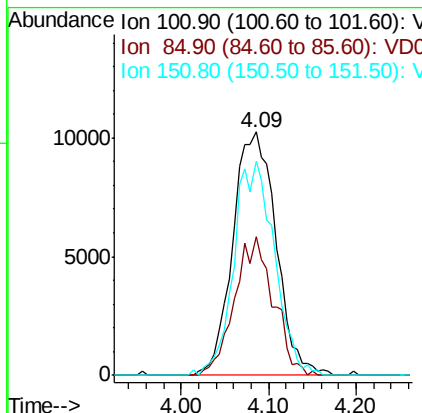
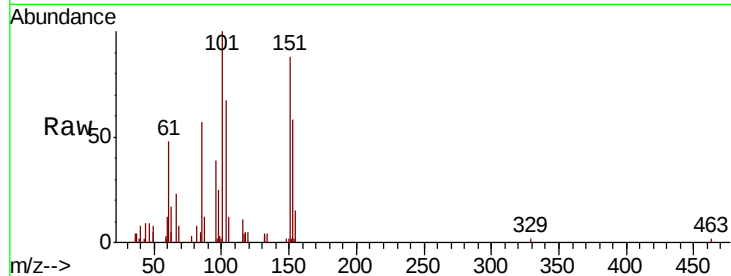
ClientSampleId :

VD1004SBS01

Tot Ion:	101	Resp:	34396
Ion Ratio	Lower	Upper	
101	100		
85	51.1	37.5	56.3
151	82.6	65.5	98.3

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#10

Methyl Iodide

Concen: 19.674 ug/l

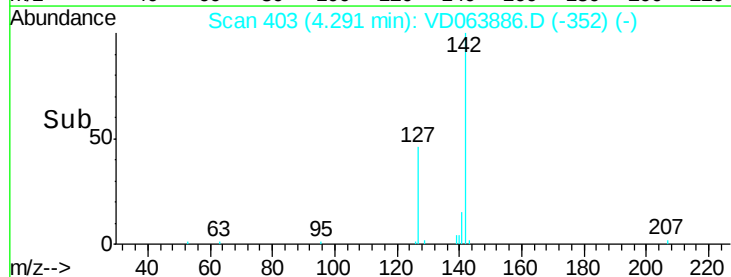
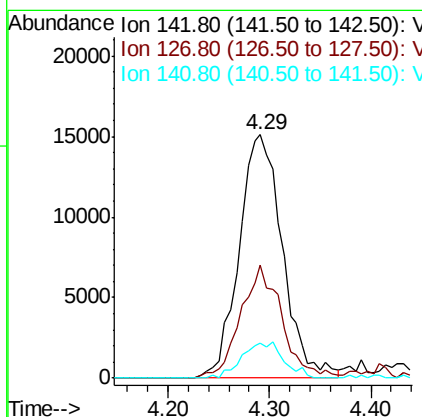
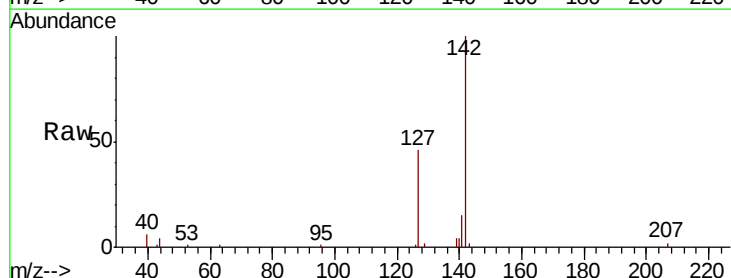
RT: 4.29 min Scan# 403

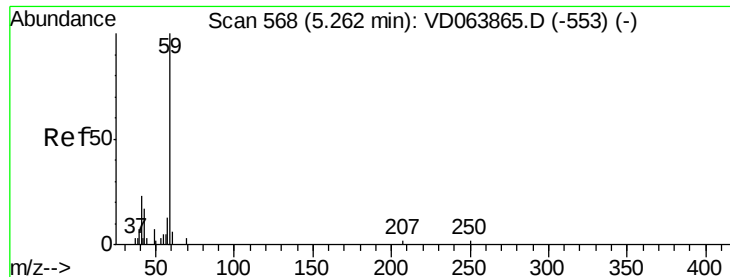
Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion:	142	Resp:	44947
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.3	52.9
141	14.2	12.2	18.2





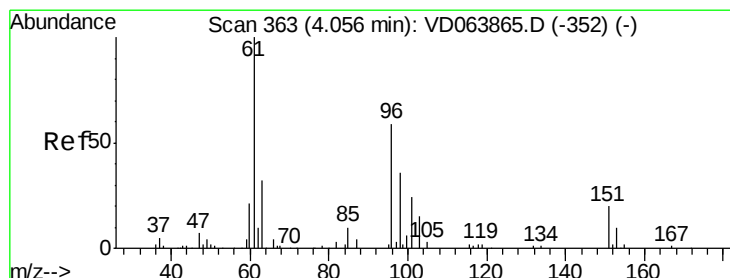
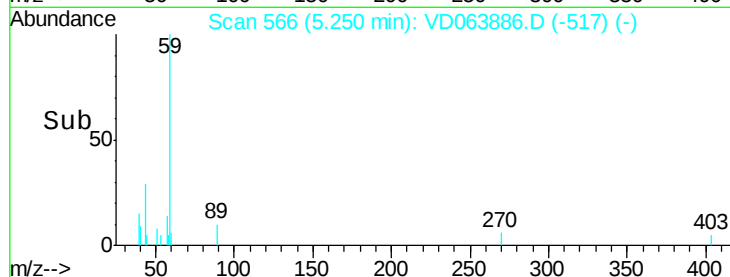
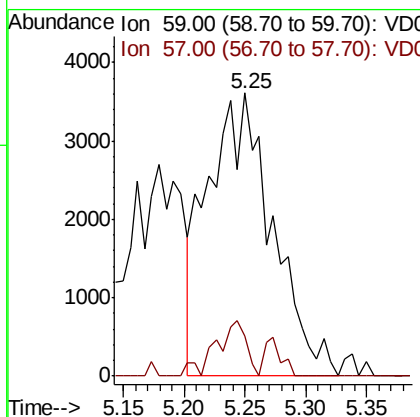
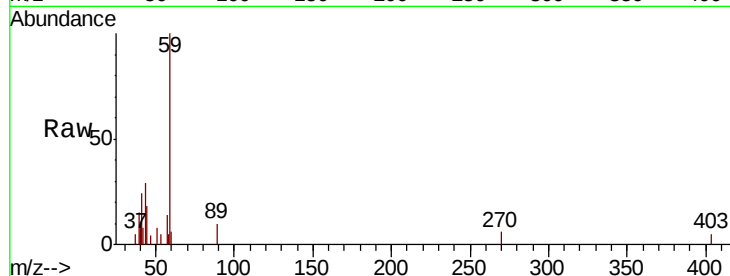
#11
Tert butyl alcohol
Concen: 94.472 ug/l m
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.8	13.2

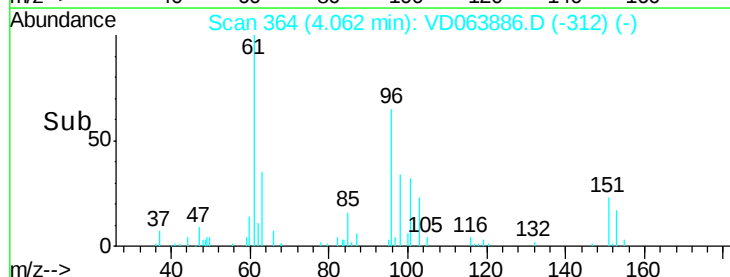
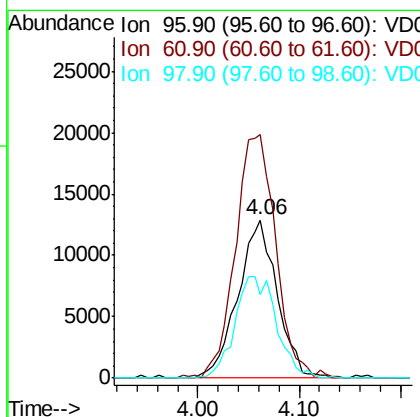
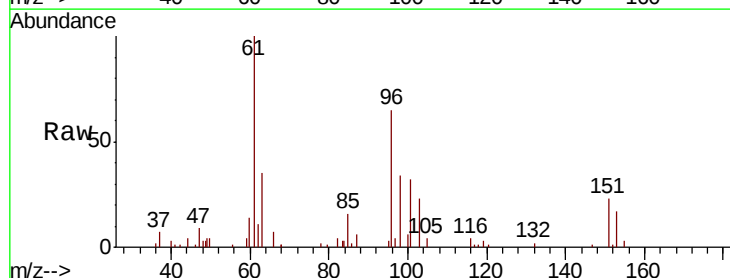
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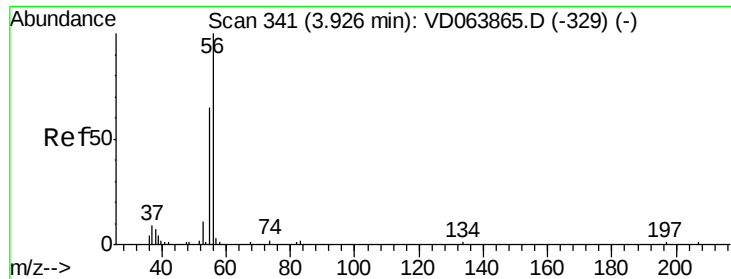
MMDadoda
10/8/2019 3:11:27 PM



#12
1,1-Dichloroethene
Concen: 20.863 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.4	135.6	203.4
98	52.7	49.2	73.8





#13

Acrolein

Concen: 92.098 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 56 Resp: 15828

Ion Ratio Lower Upper

56 100

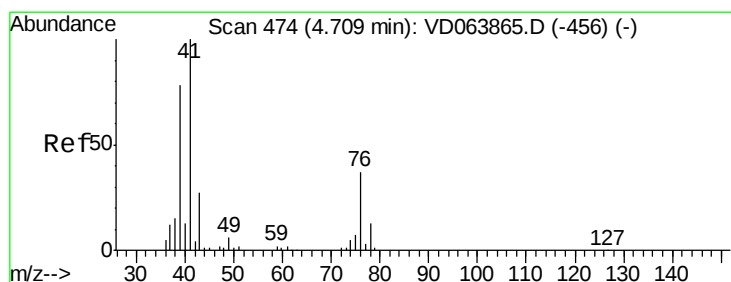
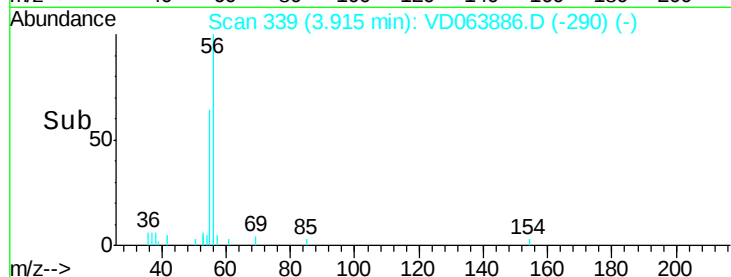
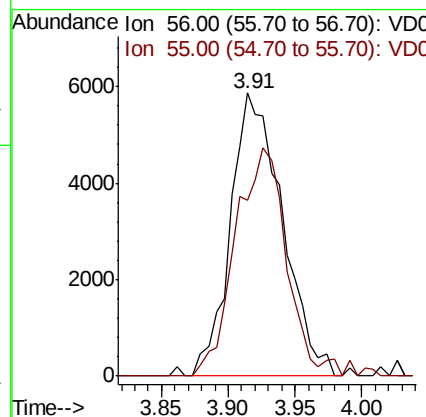
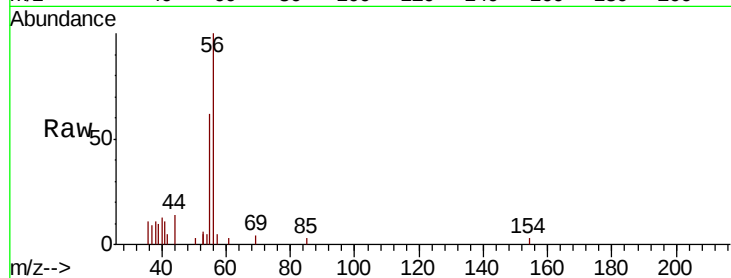
55 79.5 53.0 79.6

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#14

Allyl chloride

Concen: 20.454 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

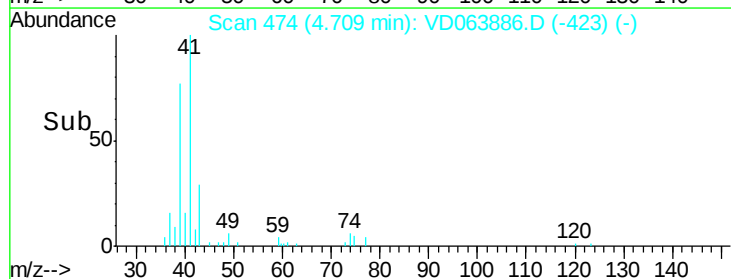
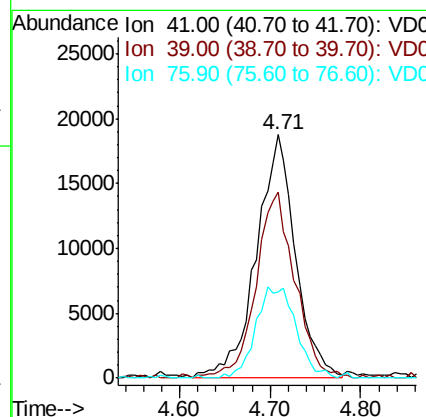
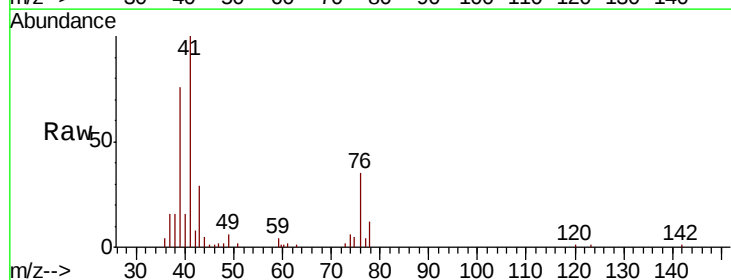
Tgt Ion: 41 Resp: 56329

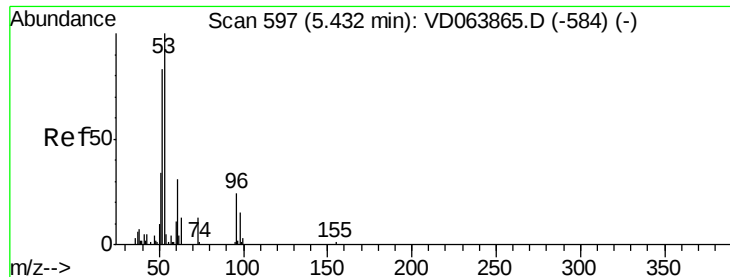
Ion Ratio Lower Upper

41 100

39 76.0 61.8 92.6

76 38.4 31.3 46.9





#15

Acrylonitrile

Concen: 103.965 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

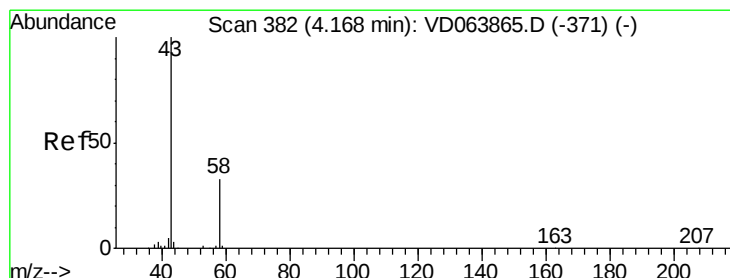
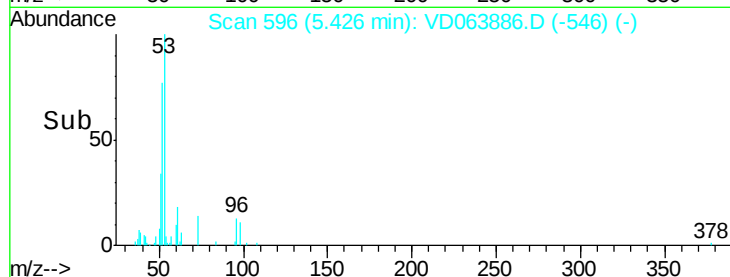
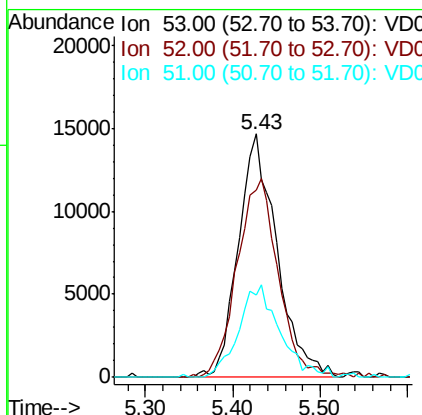
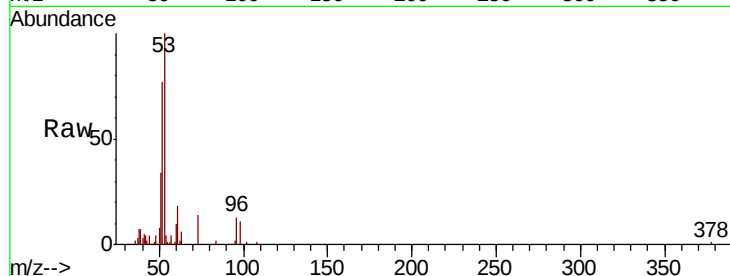
ClientSampleId :

VD1004SBS01

Tot Ion:	53	Resp:	44066
Ion	Ratio	Lower	Upper
53	100		
52	87.3	67.3	100.9
51	40.4	30.5	45.7

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#16

Acetone

Concen: 89.498 ug/l

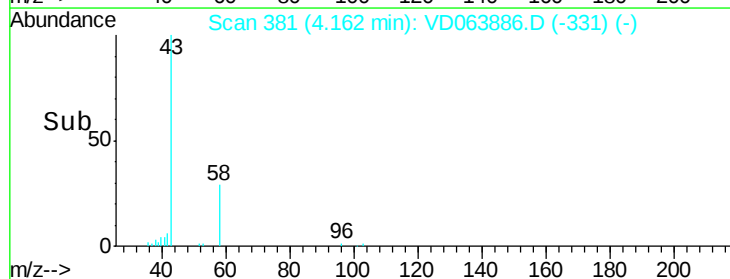
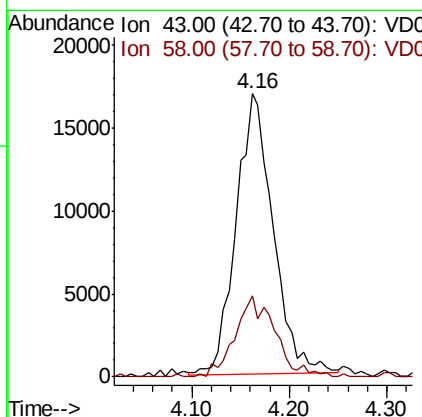
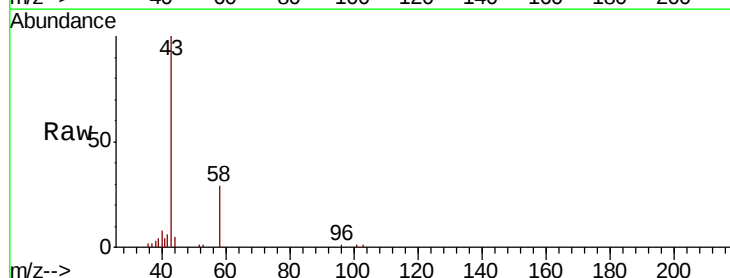
RT: 4.16 min Scan# 381

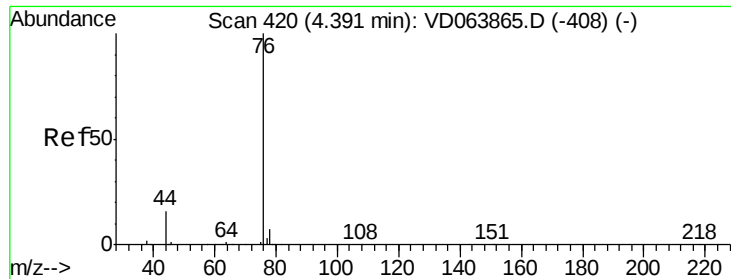
Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion:	43	Resp:	44837
Ion	Ratio	Lower	Upper
43	100		
58	29.0	26.2	39.4





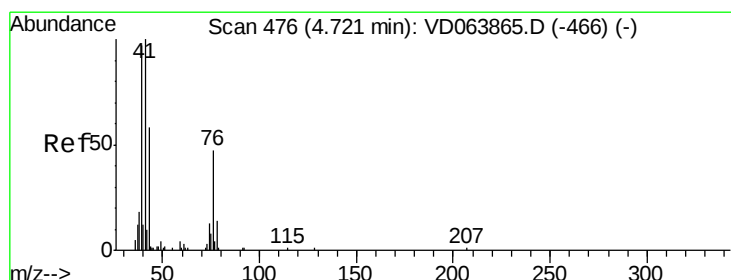
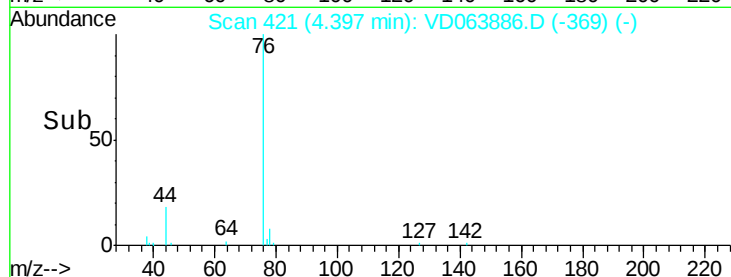
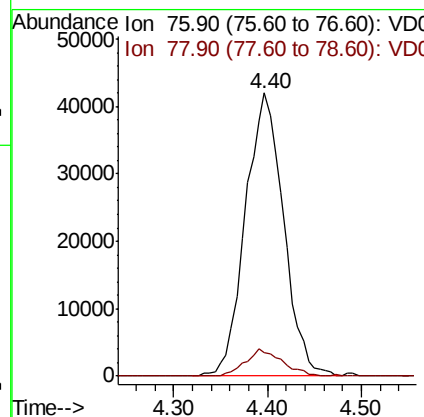
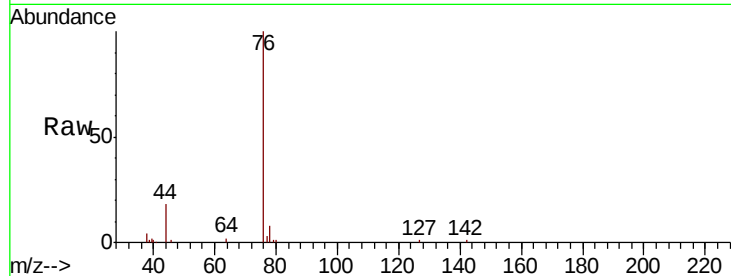
#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	5.8	8.8

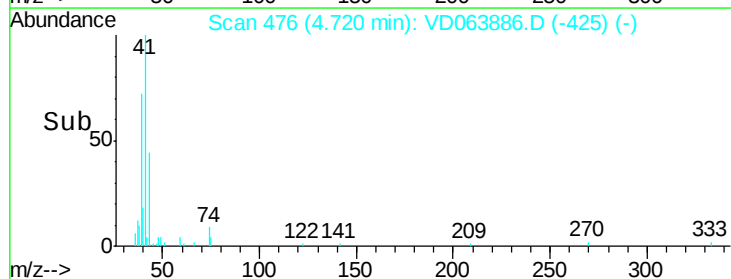
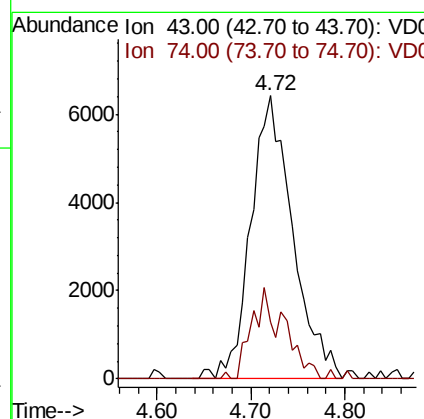
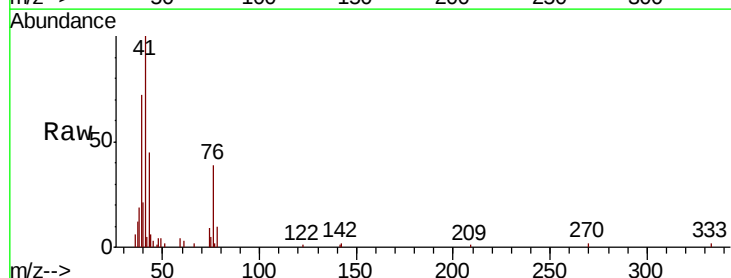
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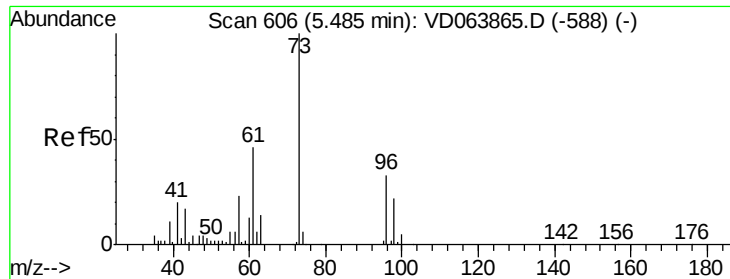
MMDadoda
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#18
Methyl Acetate
Concen: 20.272 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.7	20.8	31.2#





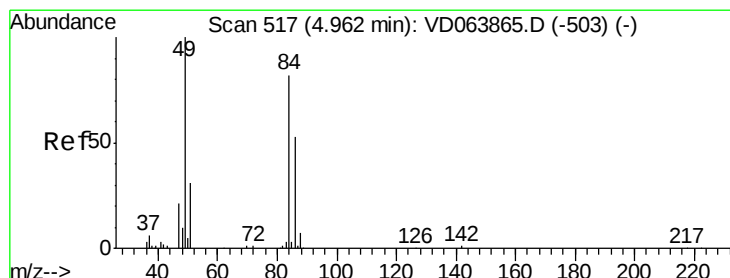
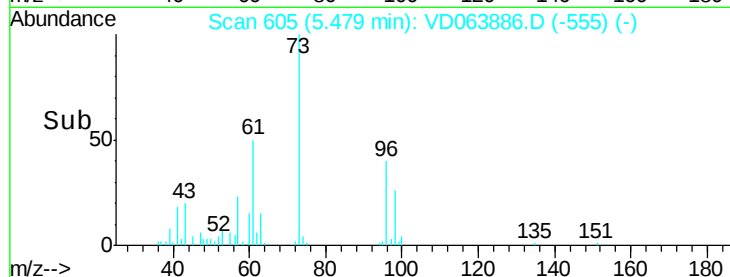
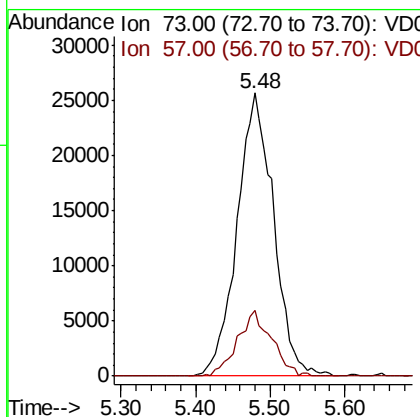
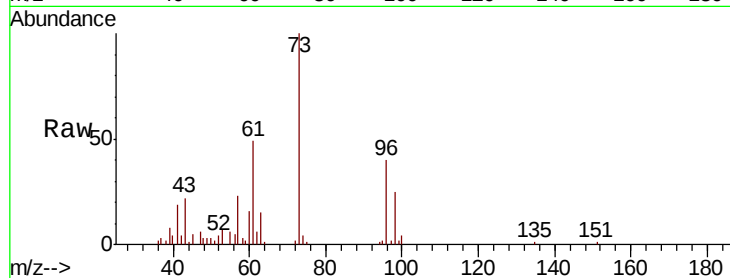
#19
Methvl tert-butvl Ether
Concen: 20.290 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 73 Resp: 87031
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1

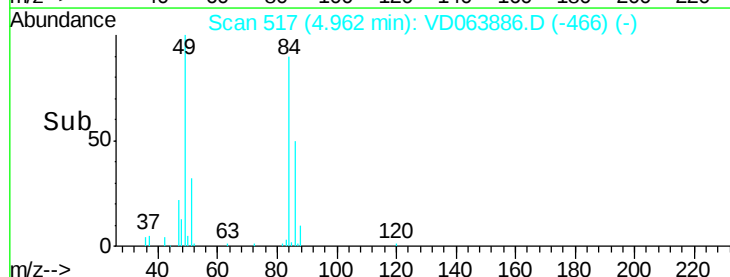
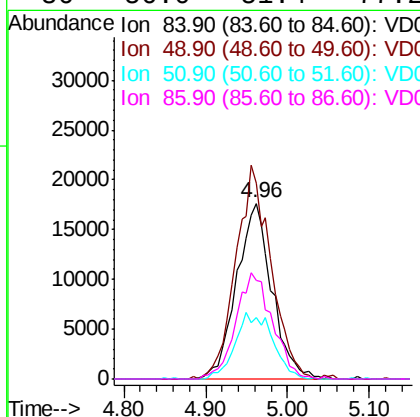
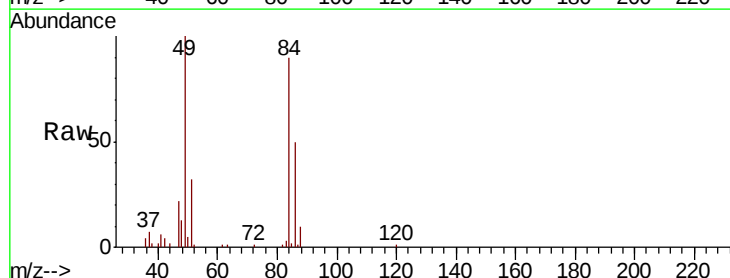
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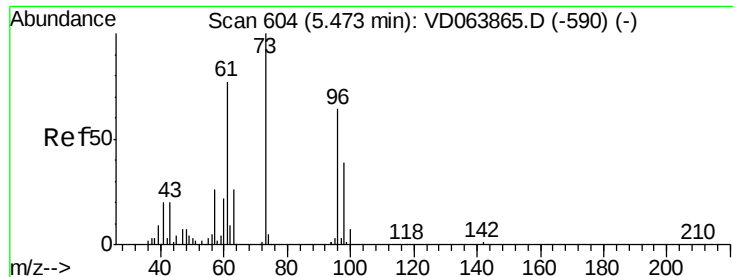
MMDadoda
10/8/2019 3:11:27 PM



#20
Methylene Chloride
Concen: 22.121 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 84 Resp: 52904
Ion Ratio Lower Upper
84 100
49 111.1 97.3 145.9
51 35.1 30.1 45.1
86 56.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.837 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

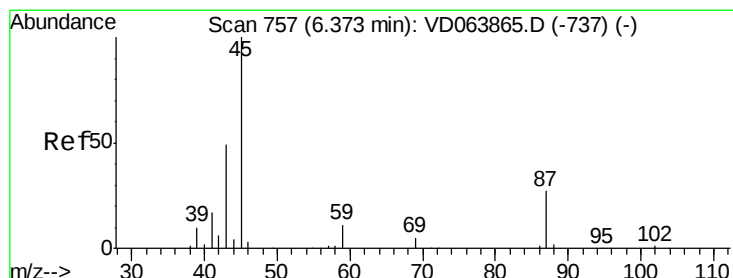
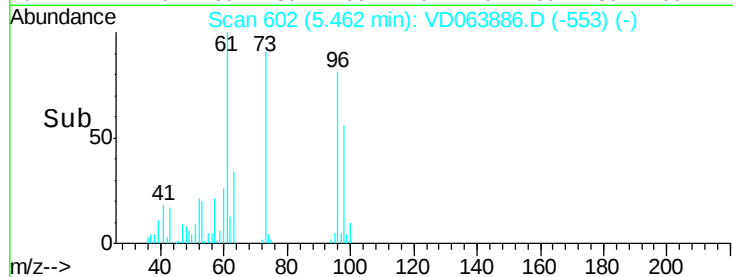
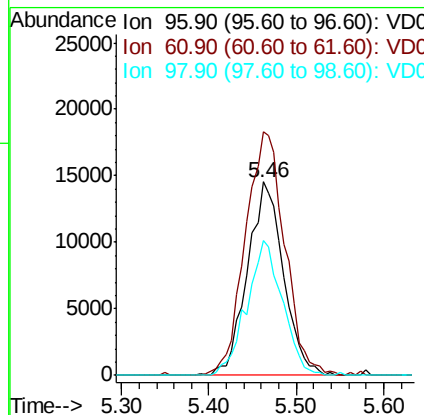
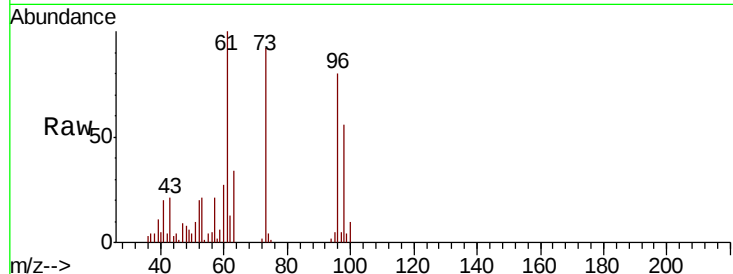
ClientSampleId :

VD1004SBS01

Tot Ion:	96	Resp:	40905
Ion	Ratio	Lower	Upper
96	100		
61	125.7	96.6	145.0
98	69.8	48.7	73.1

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#22

Diisopropyl ether

Concen: 20.103 ug/l

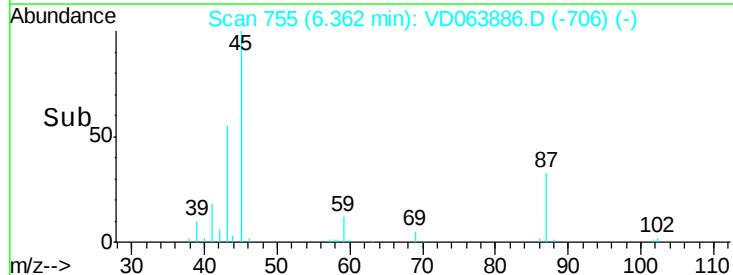
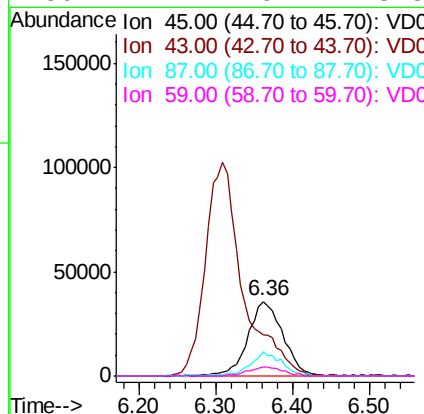
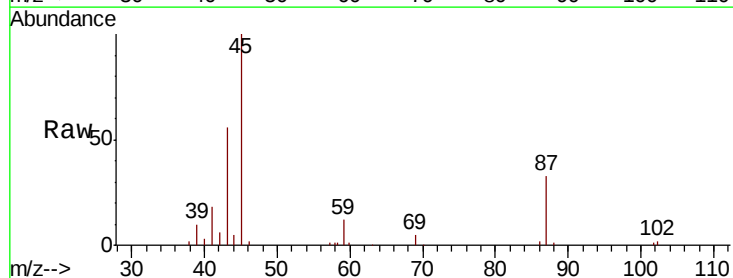
RT: 6.36 min Scan# 755

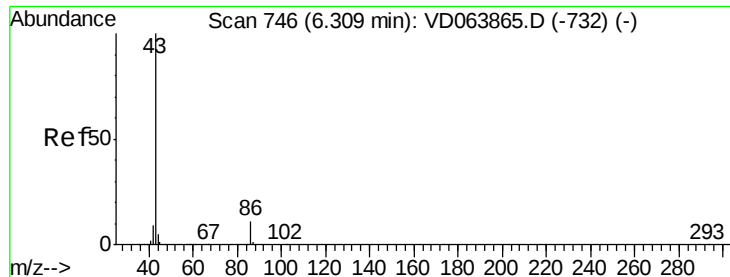
Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion:	45	Resp:	113067
Ion	Ratio	Lower	Upper
45	100		
43	55.0	41.2	61.8
87	32.7	22.2	33.4
59	12.2	9.2	13.8





#23

Vinyl Acetate

Concen: 103.096 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 344948

Ion Ratio Lower Upper

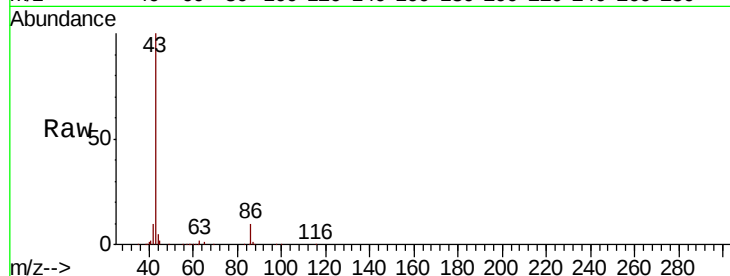
43 100

86 9.8 8.8 13.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

120000

100000

80000

60000

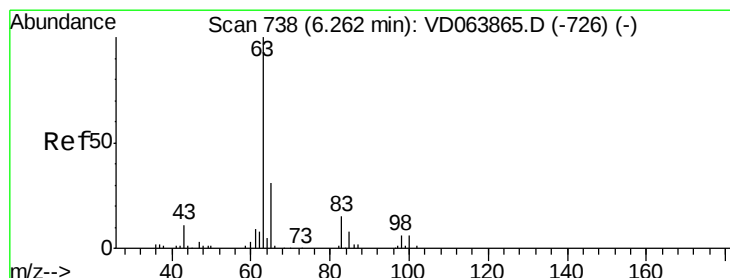
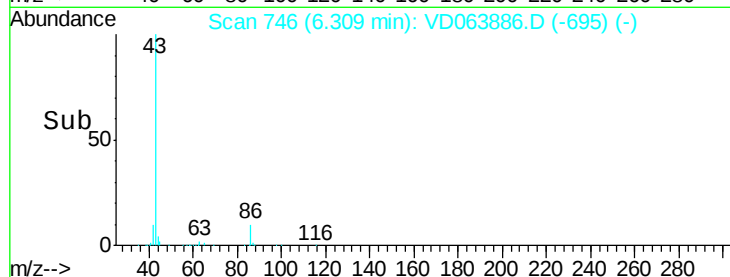
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.517 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

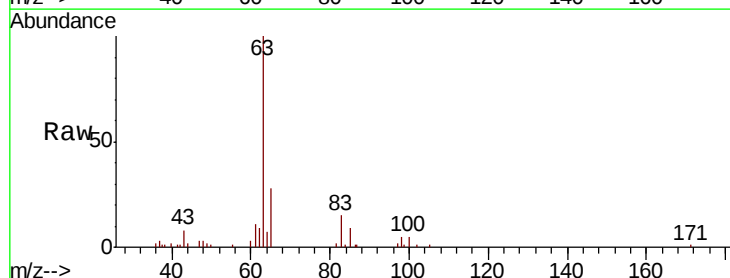
Tgt Ion: 63 Resp: 71079

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 4.7 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

30000

25000

20000

15000

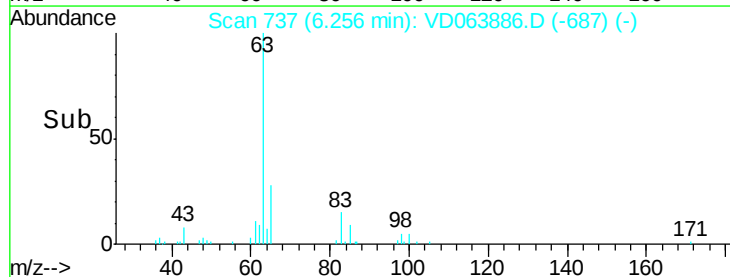
10000

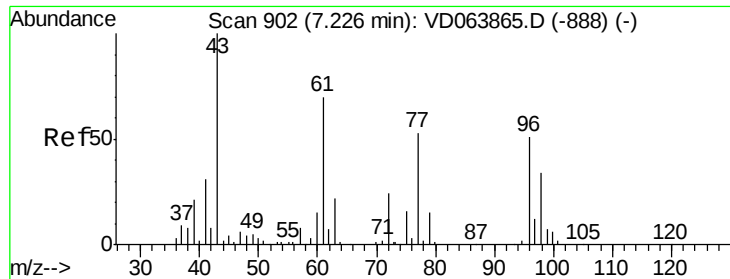
5000

0

6.20 6.30 6.40

Time-->





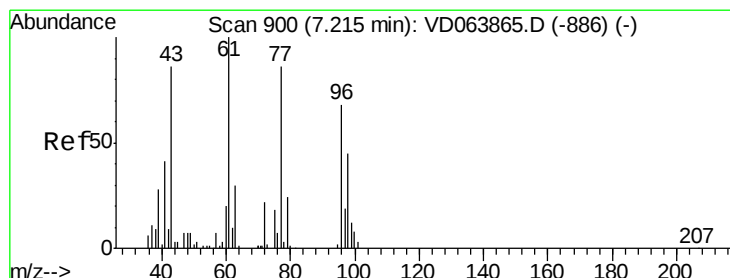
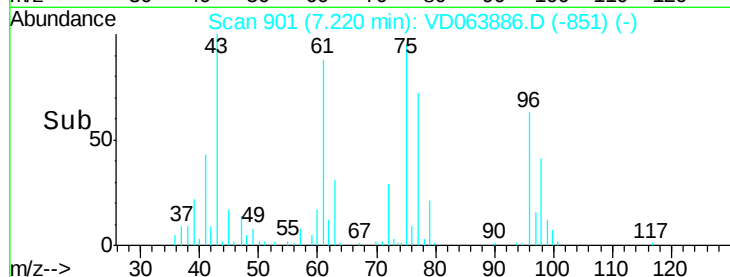
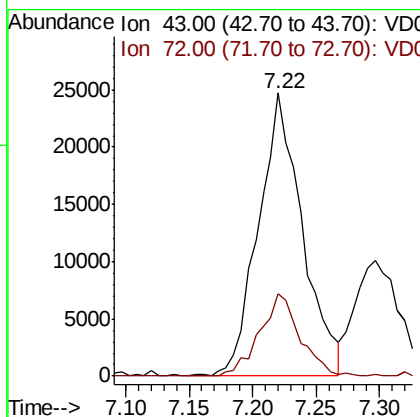
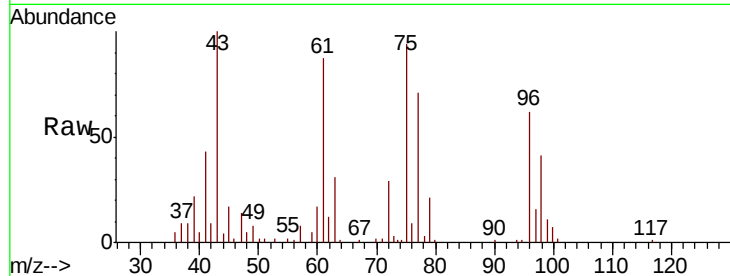
#25
2-Butanone
Concen: 100.455 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 43 Resp: 59642
Ion Ratio Lower Upper
43 100
72 29.3 19.2 28.8#

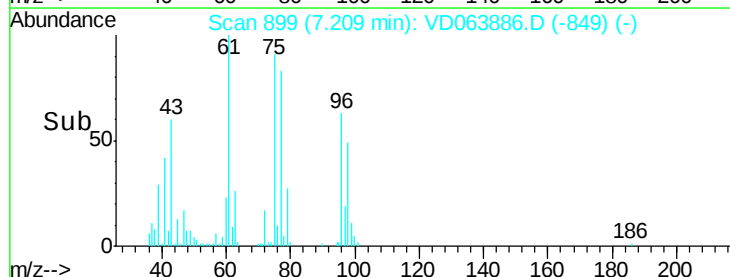
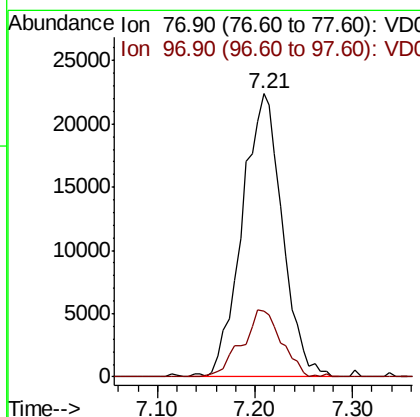
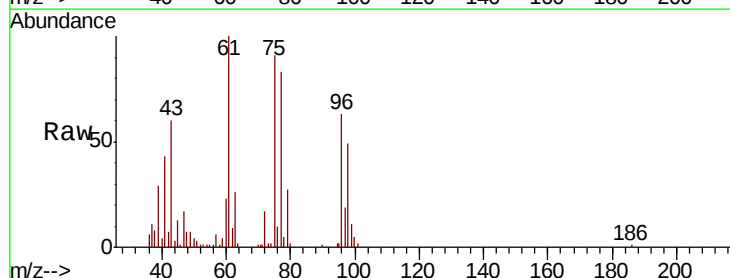
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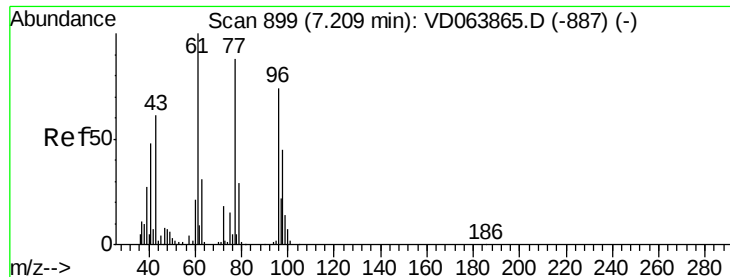
MMDadoda
10/8/2019 3:11:27 PM



#26
2,2-Dichloropropane
Concen: 20.614 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 77 Resp: 64602
Ion Ratio Lower Upper
77 100
97 23.3 11.4 34.1





#27

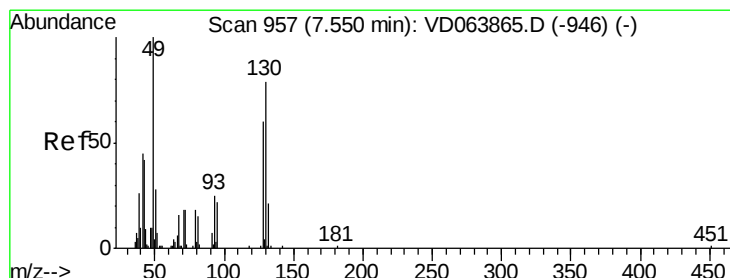
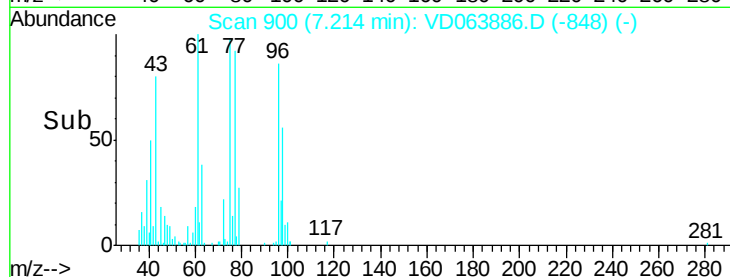
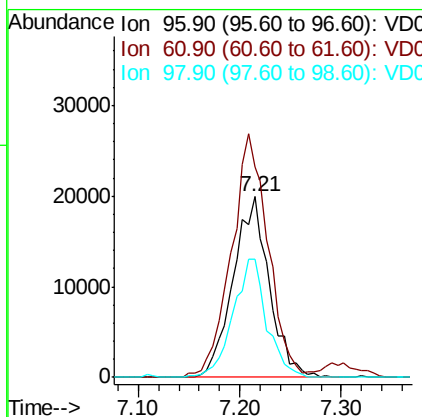
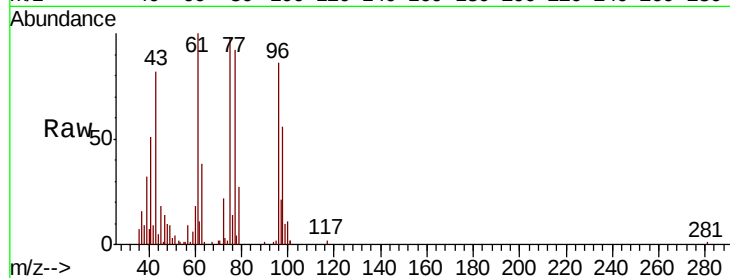
cis-1,2-Dichloroethene
Concen: 21.150 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	280.0
98	61.1	0.0	130.4

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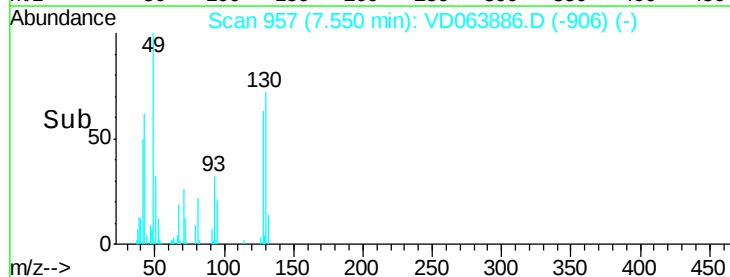
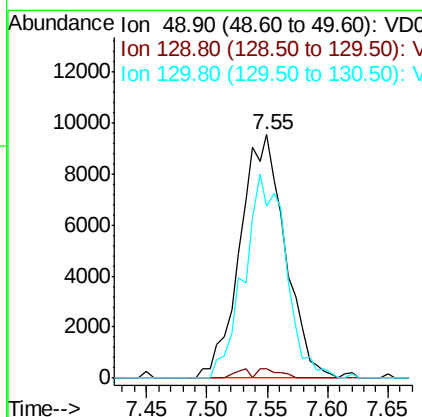
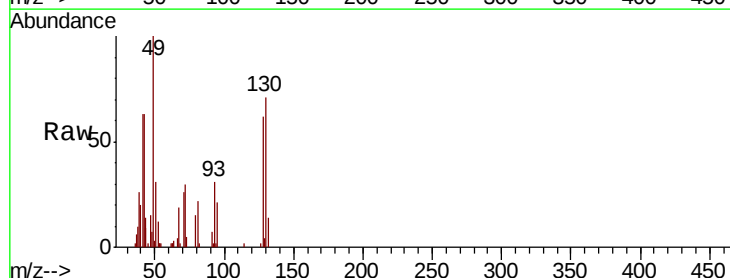
MMDadoda
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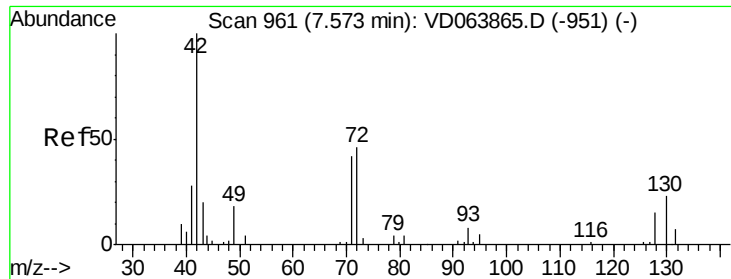


#28

Bromochloromethane
Concen: 20.012 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.6
130	77.1	66.8	100.2





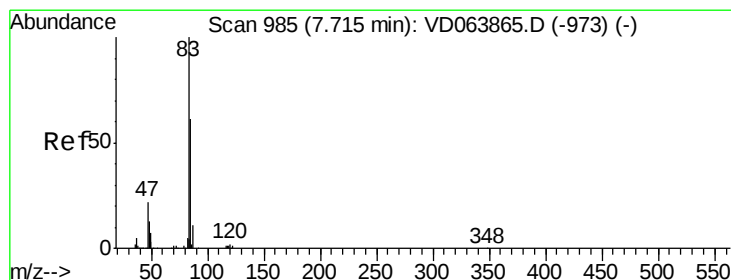
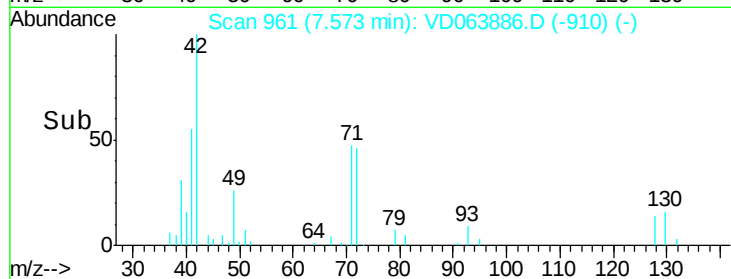
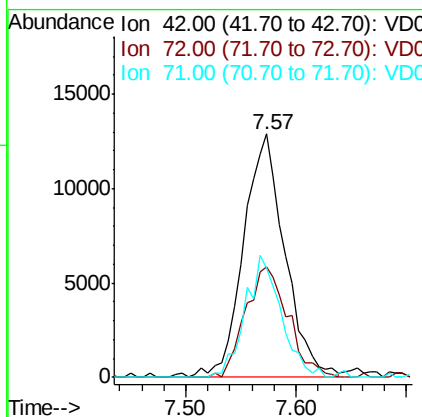
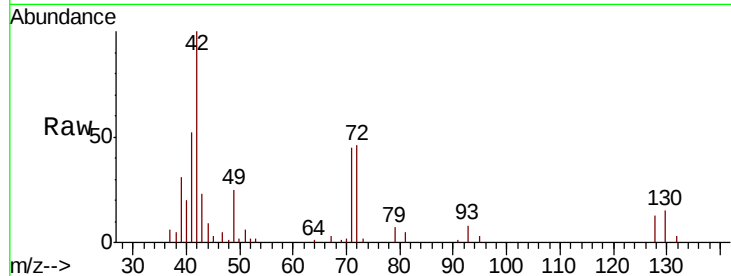
#29
Tetrahydrofuran
Concen: 97.422 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.6	56.4
71	43.4	35.0	52.6

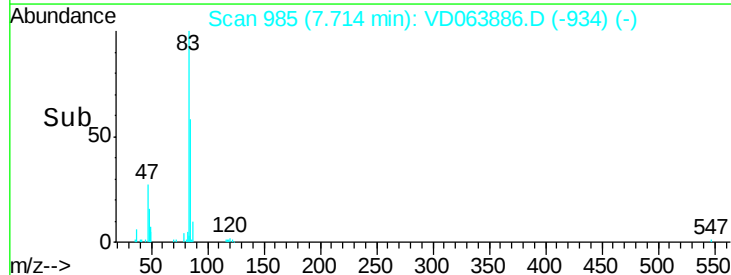
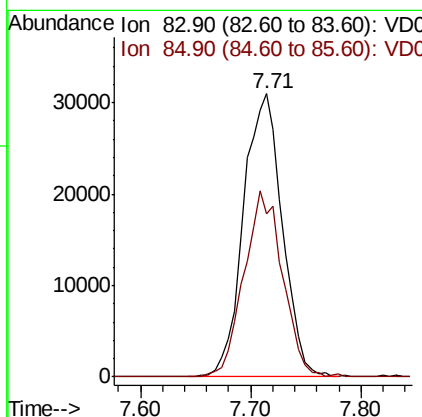
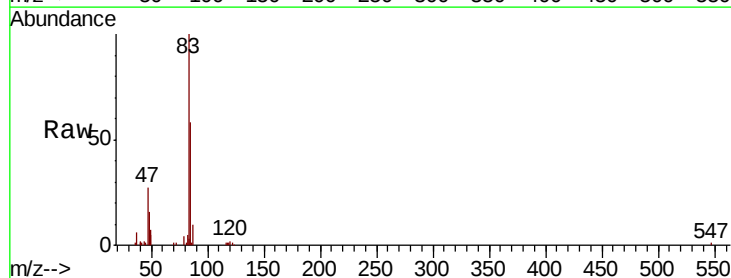
Manual Integrations
APPROVED

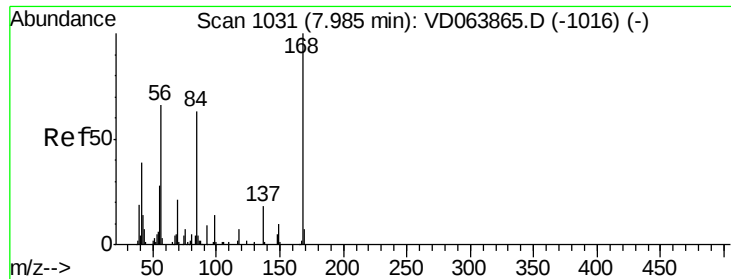
MMDadoda
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#30
Chloroform
Concen: 20.285 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.5	48.9	73.3





#31

Cyclohexane

Concen: 21.104 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

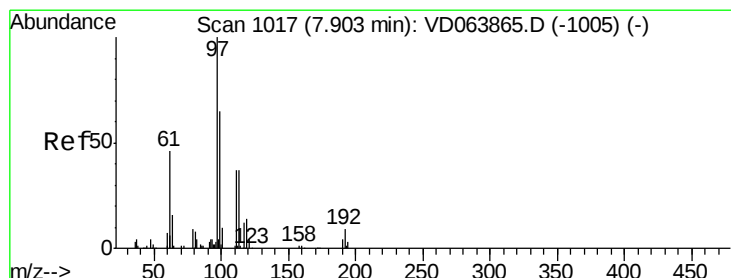
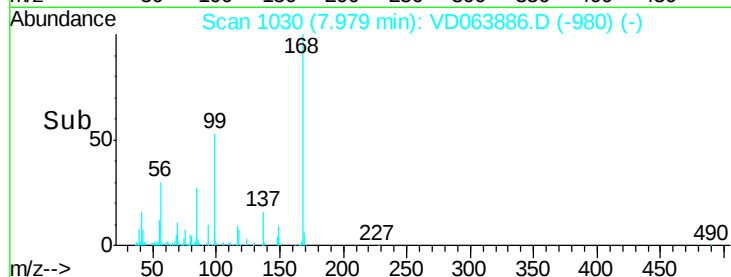
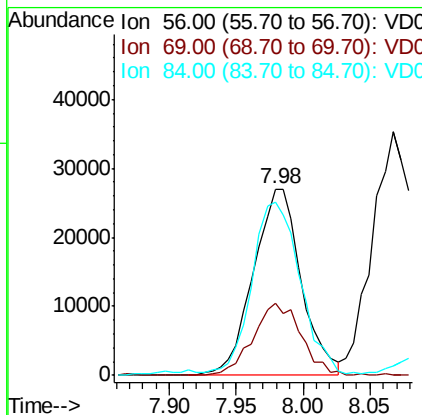
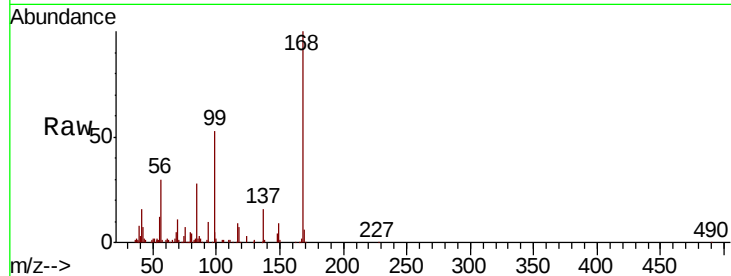
VD1004SBS01

Tot Ion: 56 Resp: 67055

Ion	Ratio	Lower	Upper
56	100		
69	38.4	25.0	37.4#
84	91.1	76.3	114.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.756 ug/l

RT: 7.91 min Scan# 1018

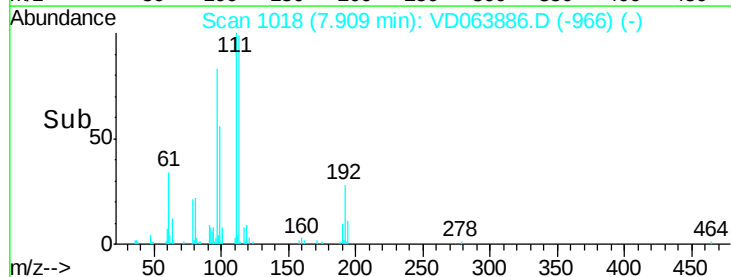
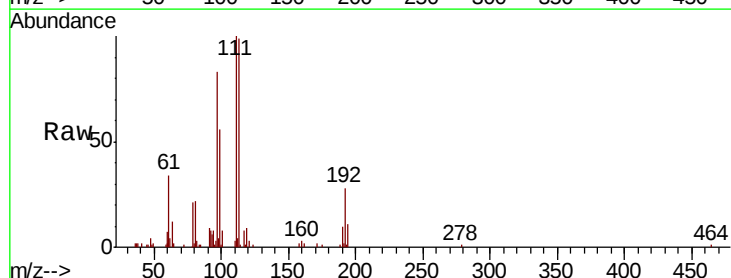
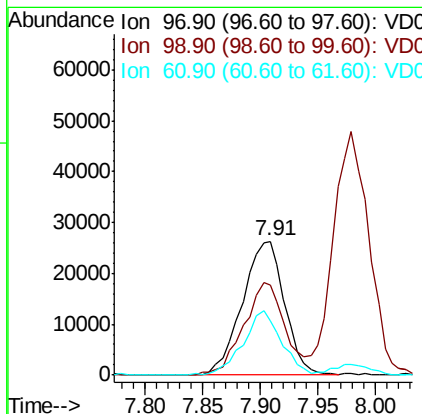
Delta R.T. 0.01 min

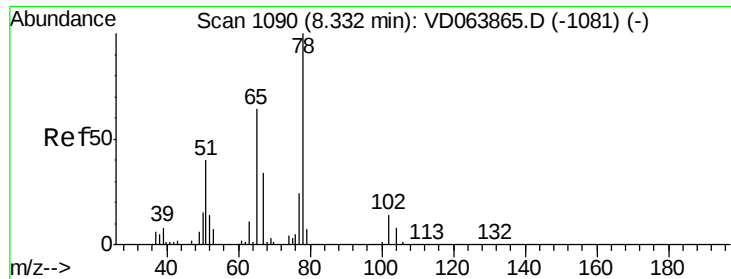
Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion: 97 Resp: 66995

Ion	Ratio	Lower	Upper
97	100		
99	67.0	52.4	78.6
61	43.6	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 46.004 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 65 Resp: 88523

Ion Ratio Lower Upper

65 100

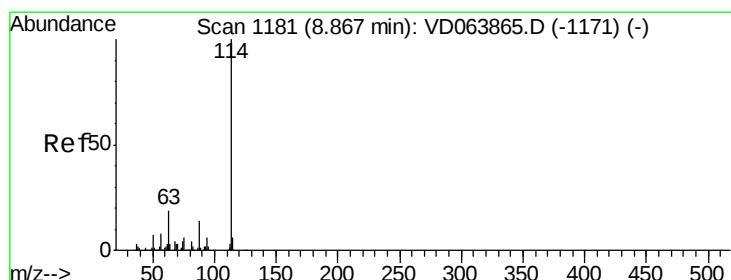
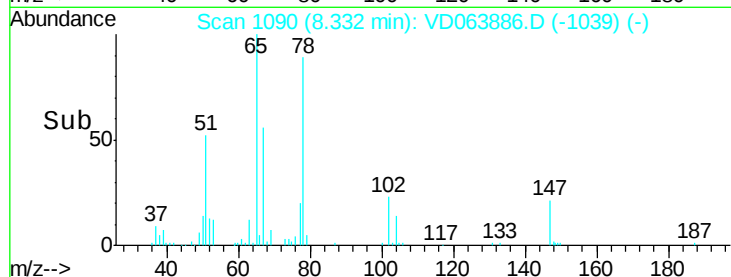
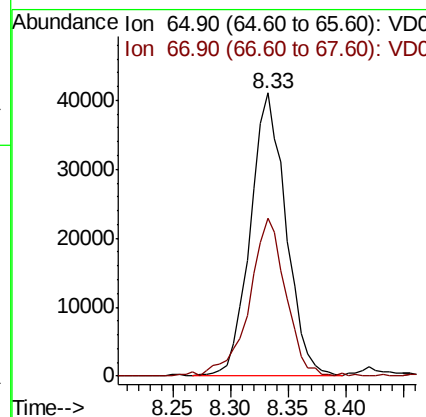
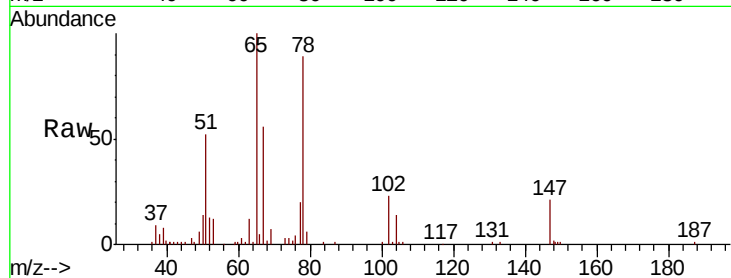
67 57.1 0.0 106.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

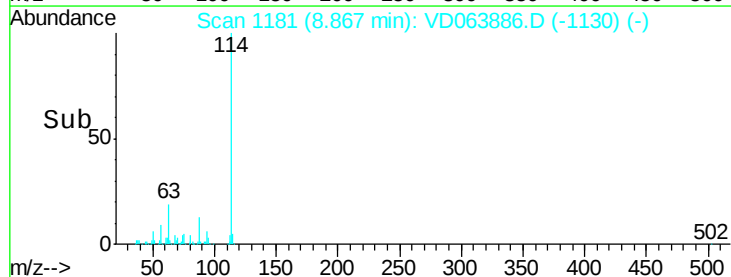
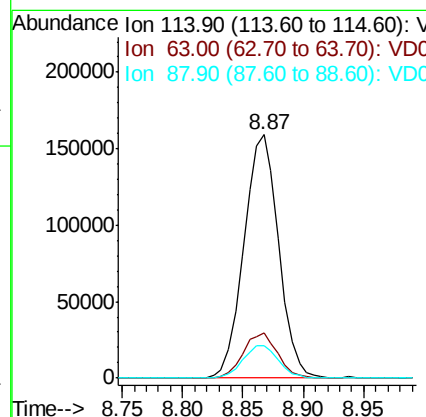
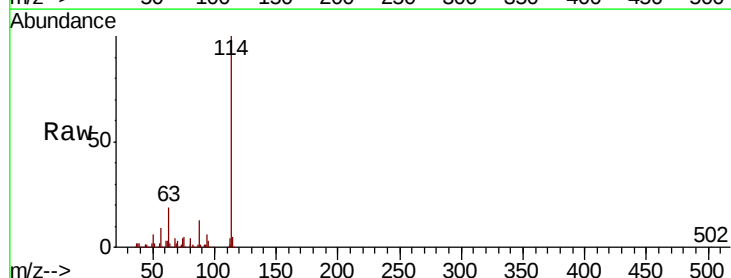
Tgt Ion: 114 Resp: 318687

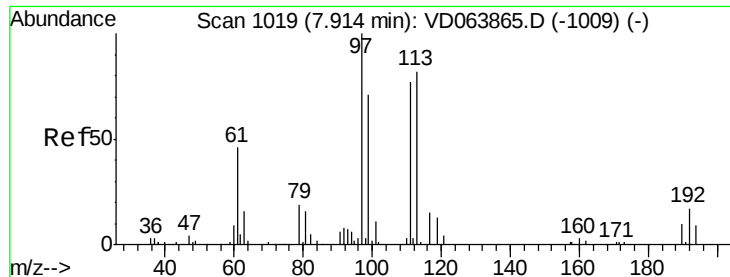
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 13.4 0.0 27.4





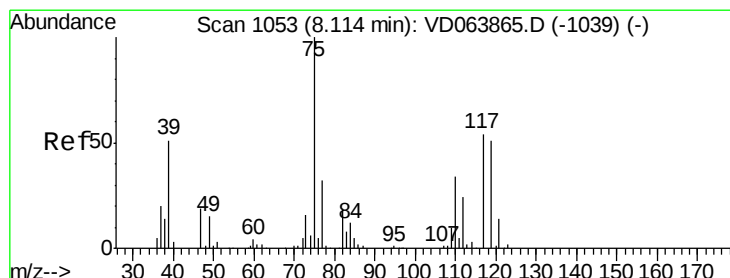
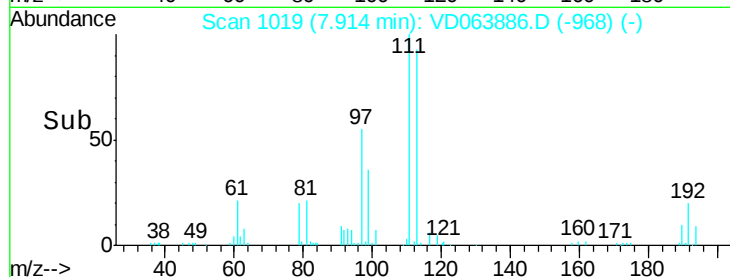
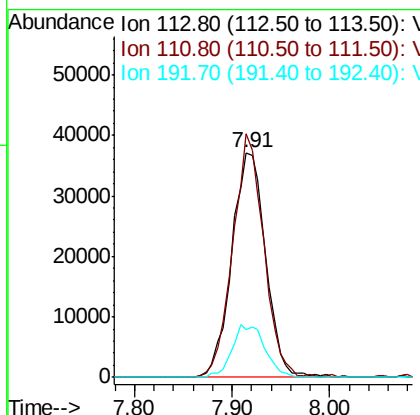
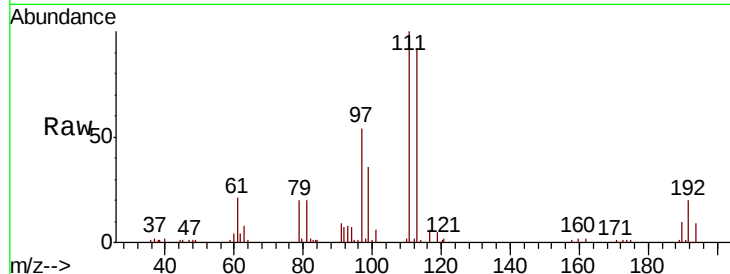
#35
 Dibromofluoromethane
 Concen: 45.874 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	82.6	123.8
192	22.7	17.1	25.7

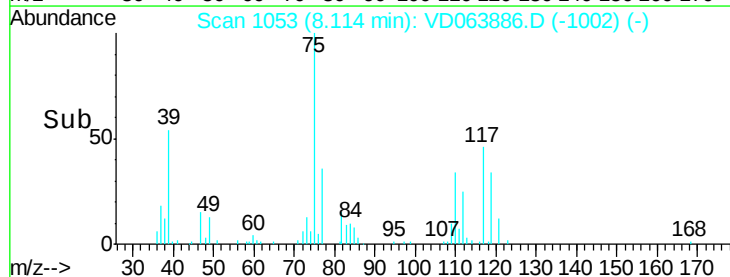
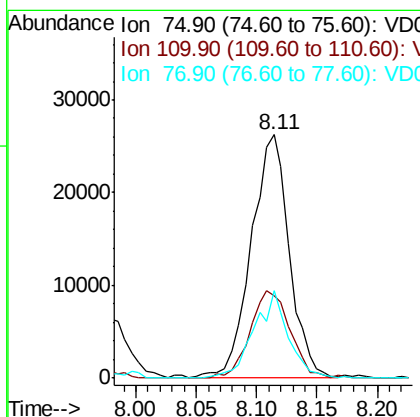
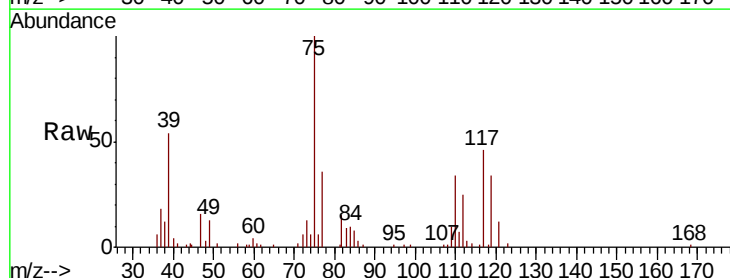
Manual Integrations
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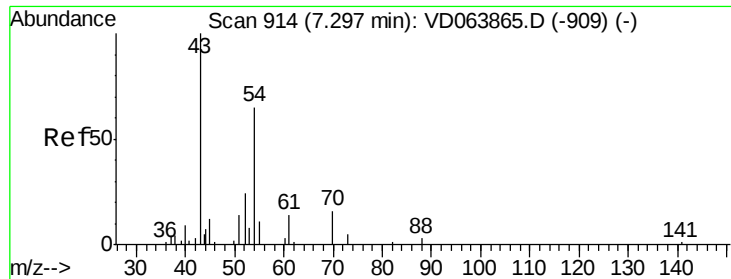
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#36
 1,1-Dichloropropene
 Concen: 19.730 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	17.4	52.3
77	32.3	25.4	38.0





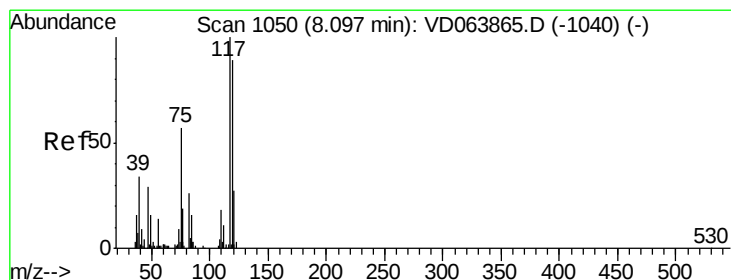
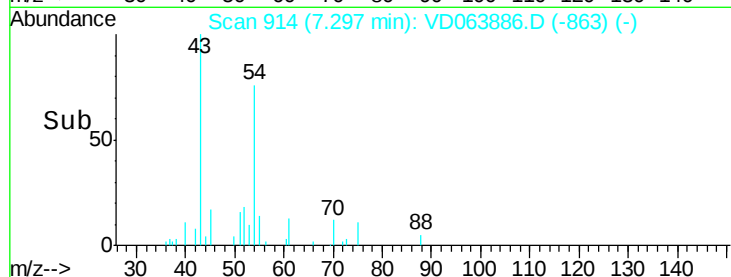
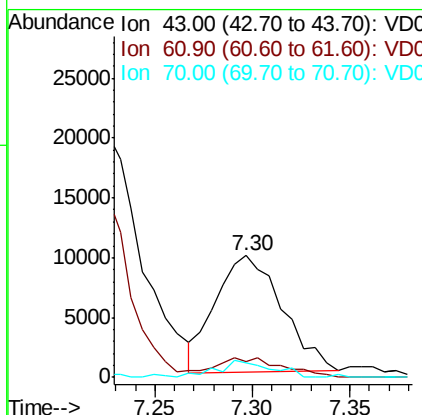
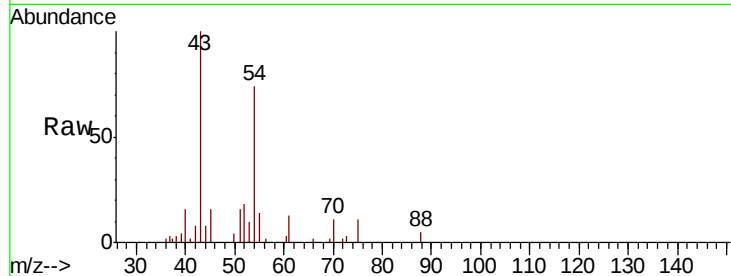
#37
Ethyl Acetate
Concen: 17.119 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.5	17.3
70	11.7	8.2	12.4

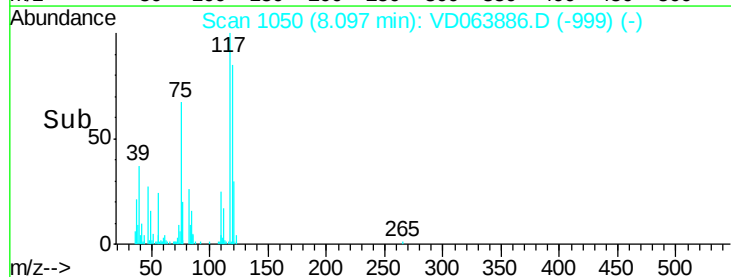
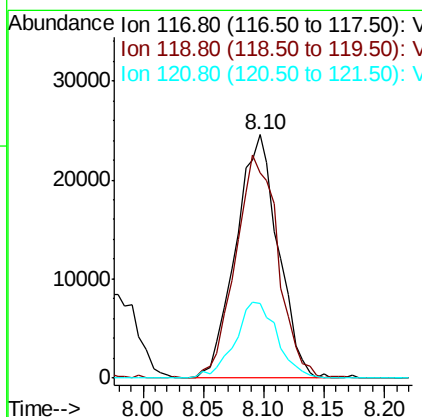
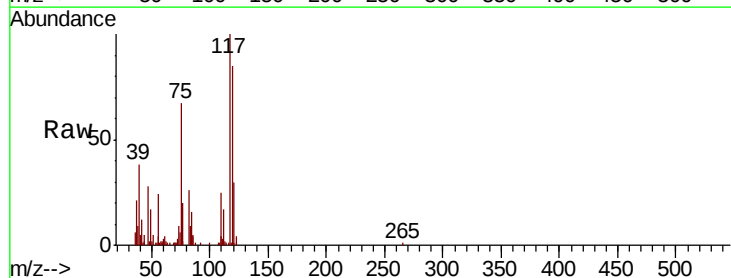
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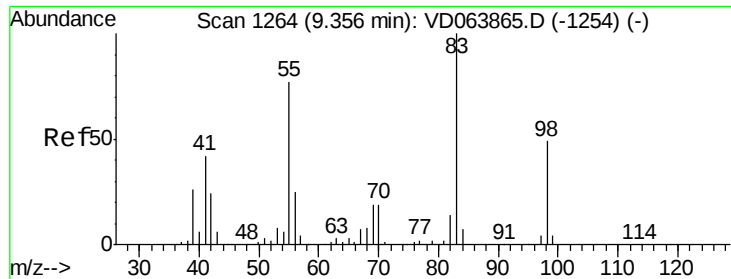
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.265 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.5	70.8	106.2
121	30.5	21.4	32.0





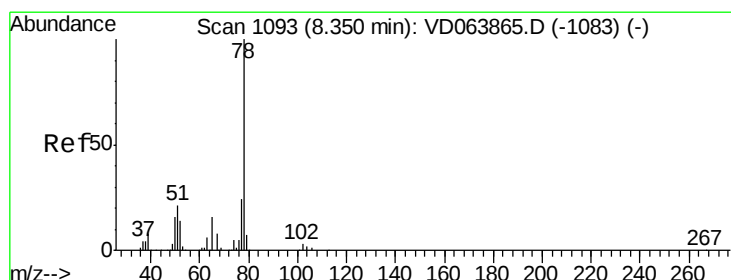
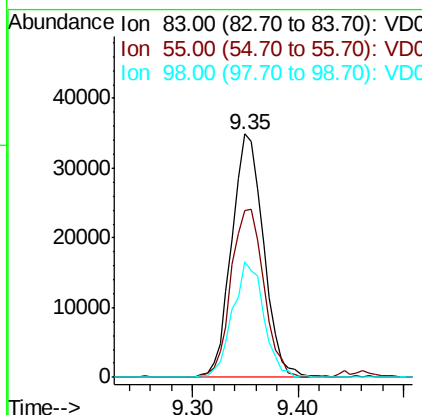
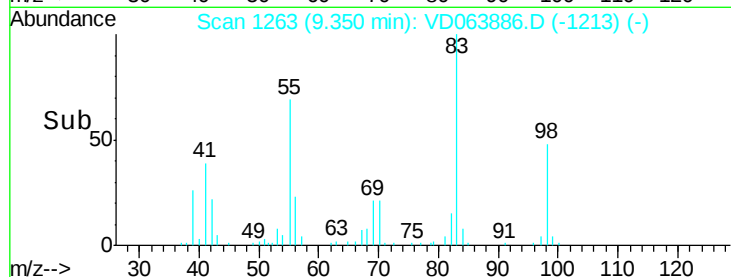
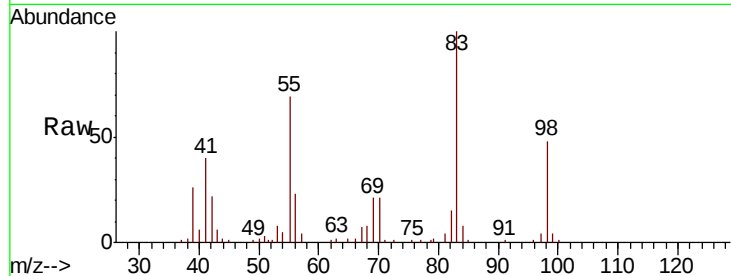
#39
Methvlcvclohexane
Concen: 20.346 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	61.3	91.9
98	47.6	39.3	58.9

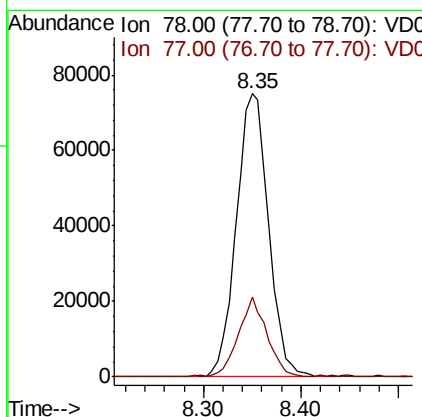
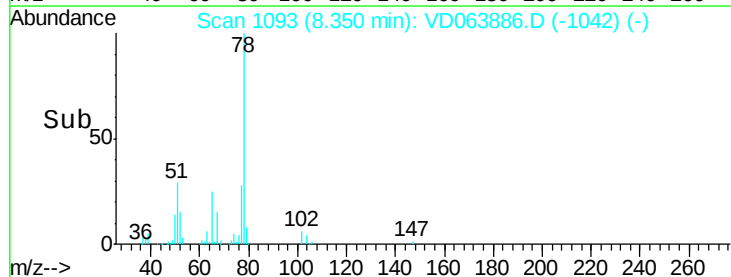
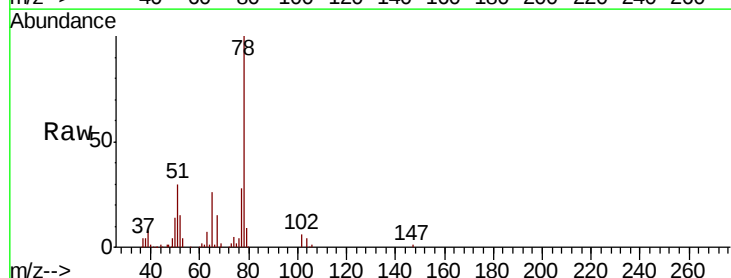
Manual Integrations
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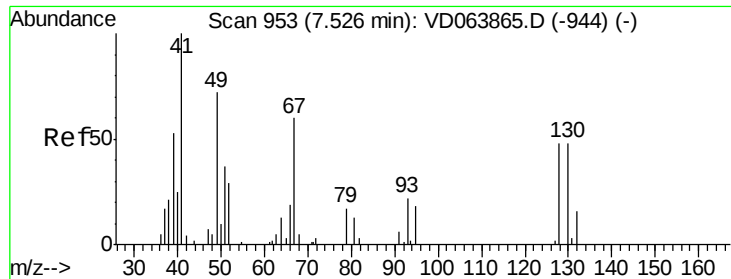
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#40
Benzene
Concen: 20.637 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.1	19.0	28.6





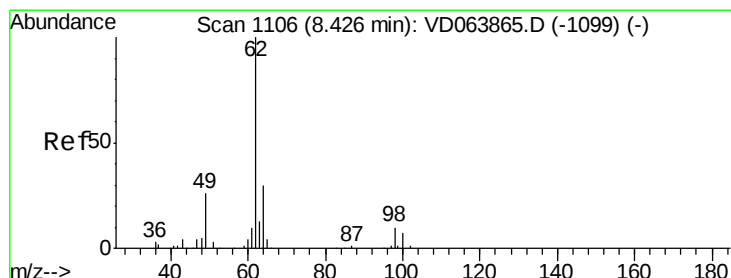
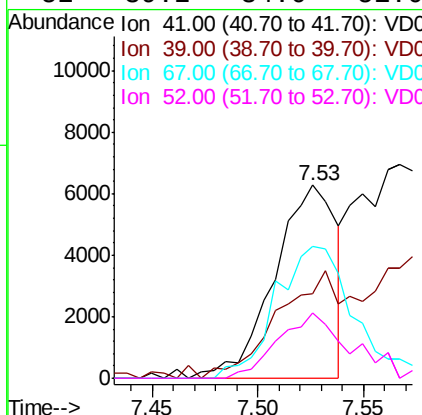
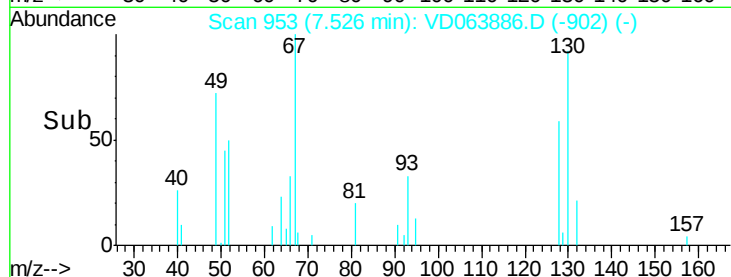
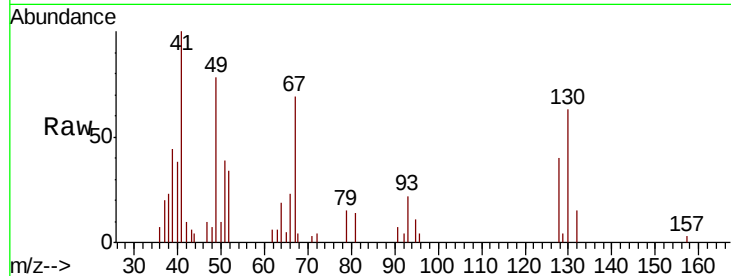
#41
Methacrylonitrile
Concen: 19.003 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleID :
VD1004SBS01

Tot Ion:	41	Resp:	12838
Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
67	85.0	74.2	111.2
52	39.2	34.0	51.0

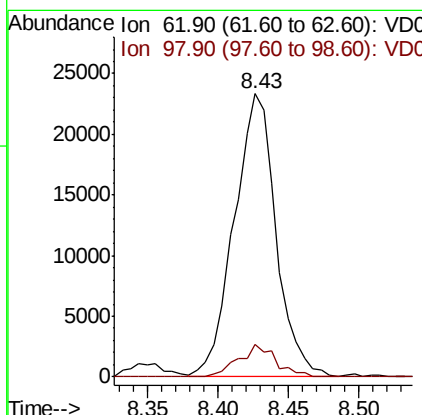
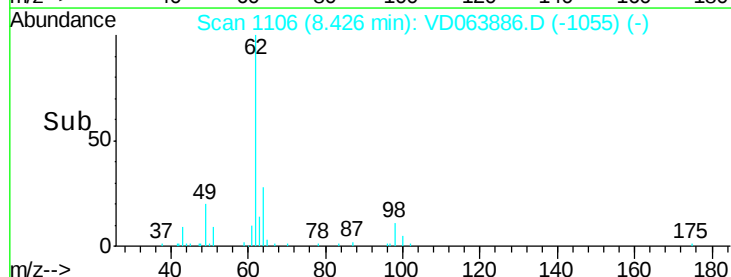
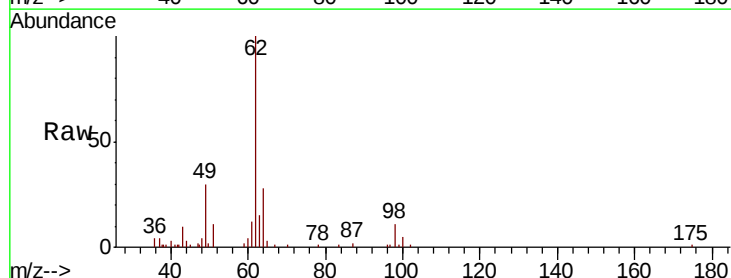
Manual Integrations
APPROVED

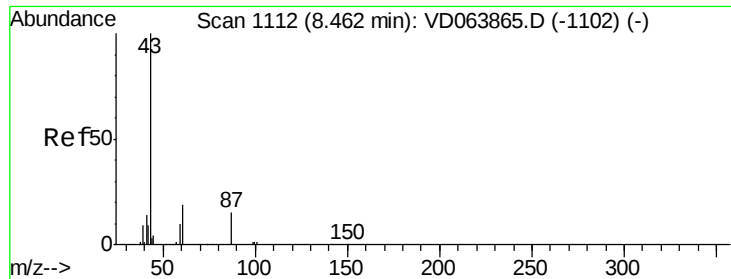
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.047 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion:	62	Resp:	48423
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





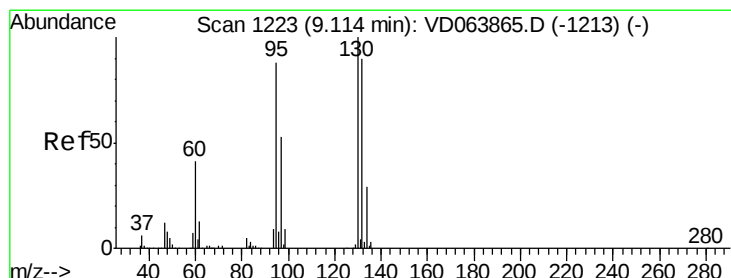
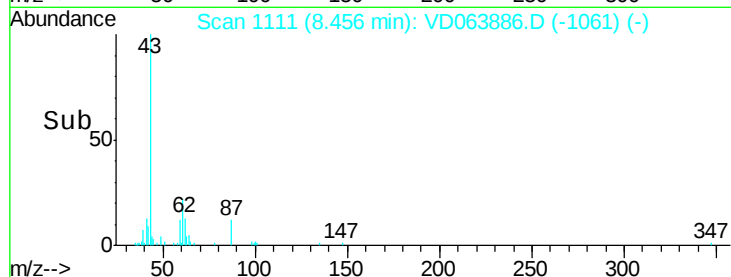
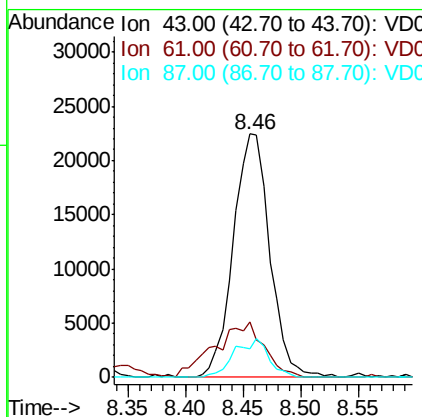
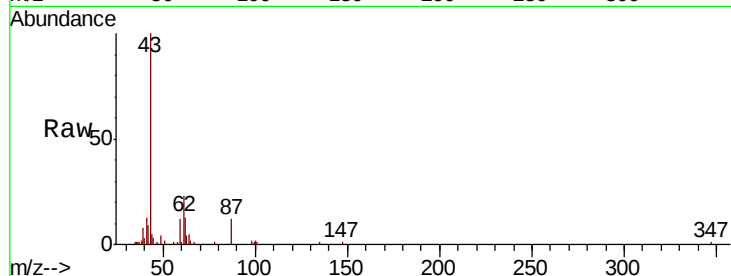
#43
Isopropyl Acetate
Concen: 20.187 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.7	38.5
87	14.8	11.6	17.4

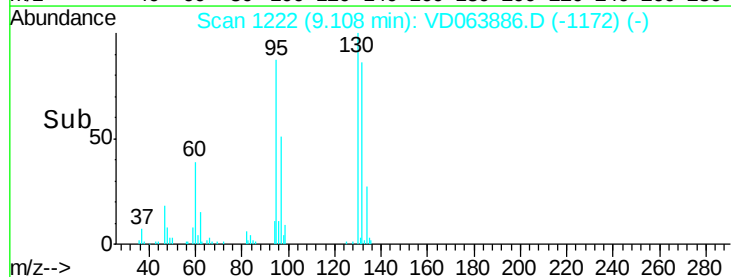
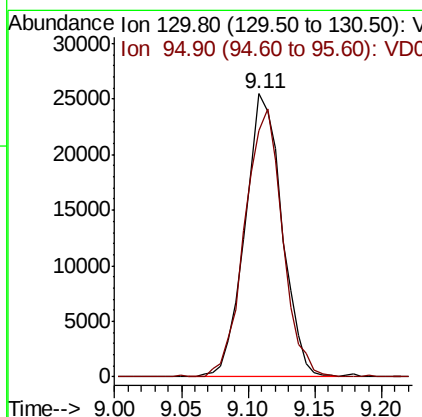
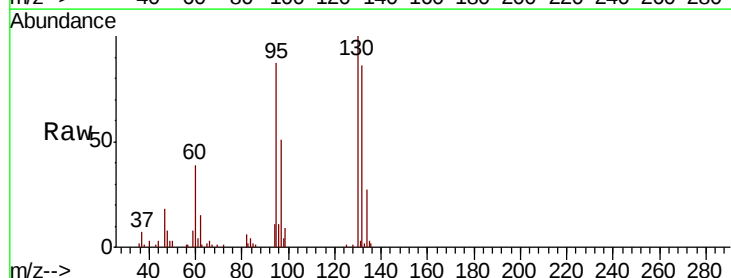
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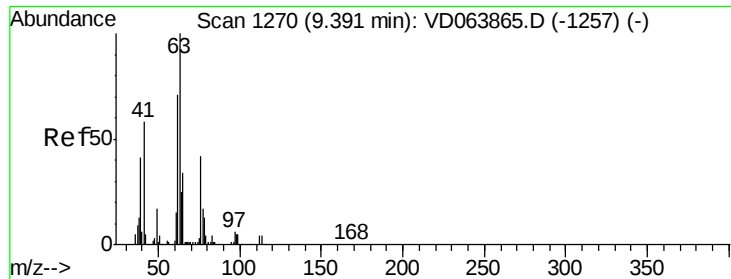
MMDadoda
10/8/2019 3:11:27 PM



#44
Trichloroethene
Concen: 20.271 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	175.6





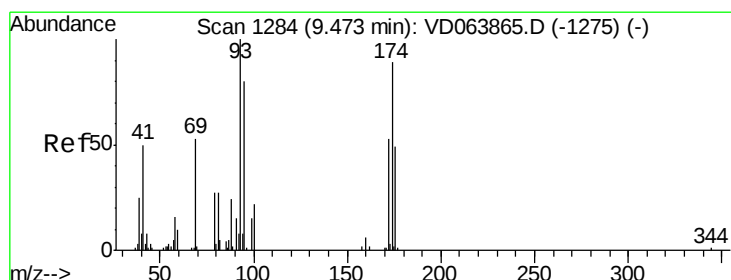
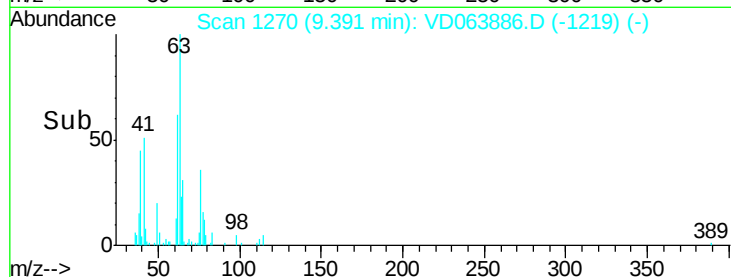
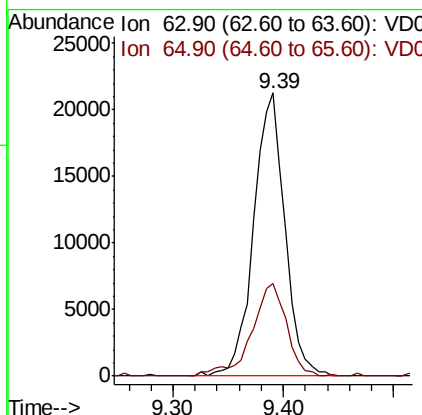
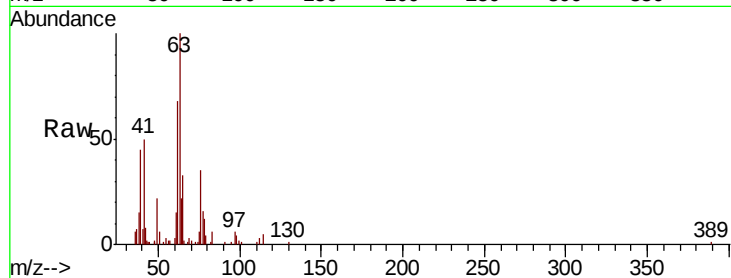
#45
 1,2-Dichloropropane
 Concen: 20.719 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	63	Resp	42347
Ion	Ratio	Lower	Upper
63	100		
65	32.6	27.3	40.9

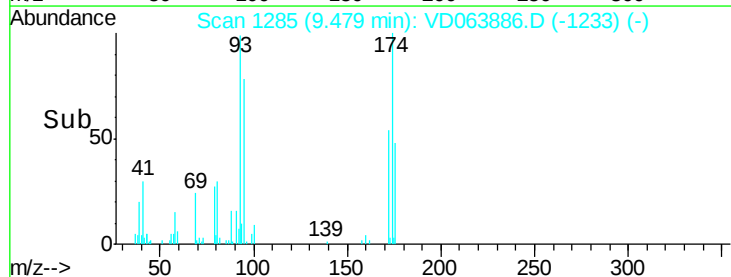
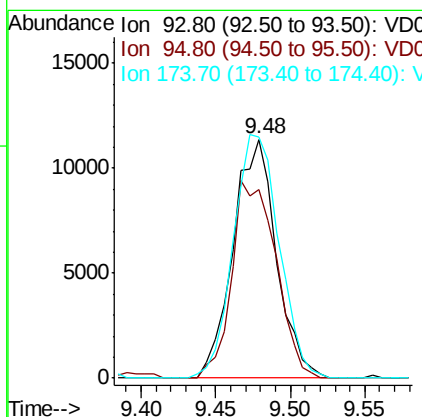
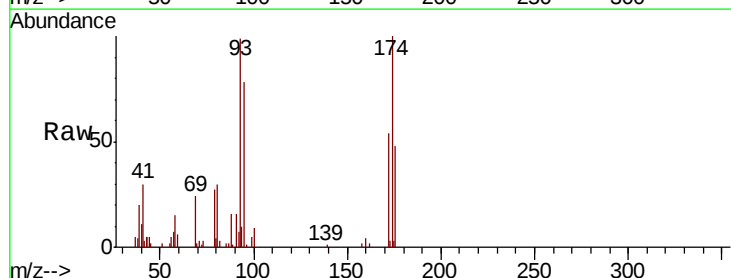
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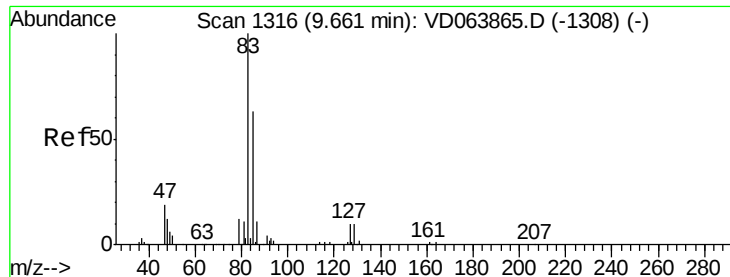
MMDadoda
 10/8/2019 3:11:27 PM



#46
 Dibromomethane
 Concen: 19.717 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion	93	Resp	22950
Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.0	99.0
174	107.8	83.4	125.0





#47

Bromodichloromethane

Concen: 19.796 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

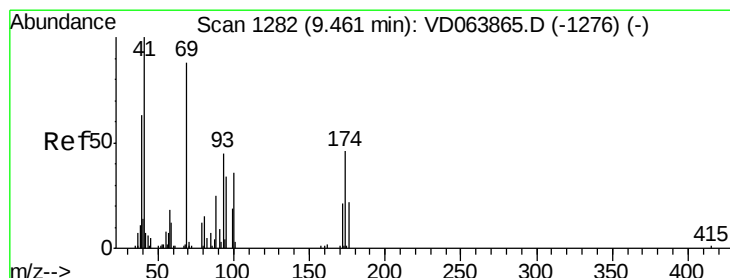
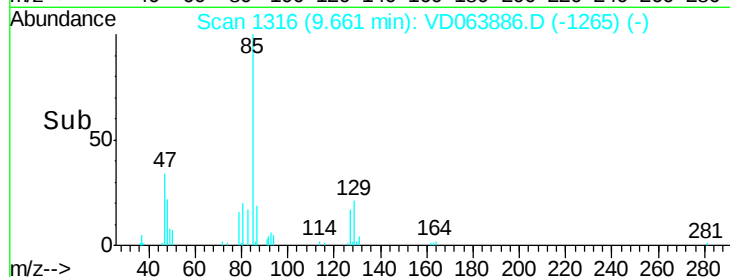
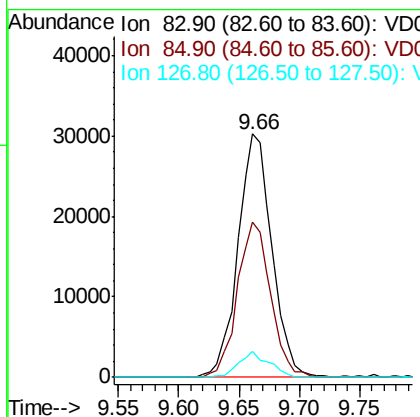
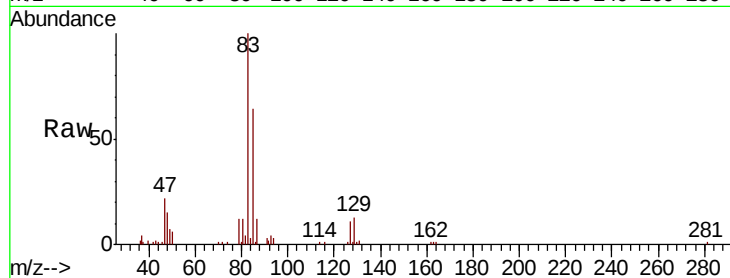
ClientSampleId :

VD1004SBS01

Tot Ion:	83	Resp:	59324
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.2	75.2
127	10.9	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.641 ug/l

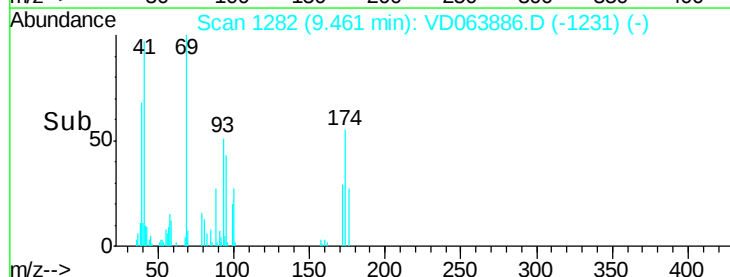
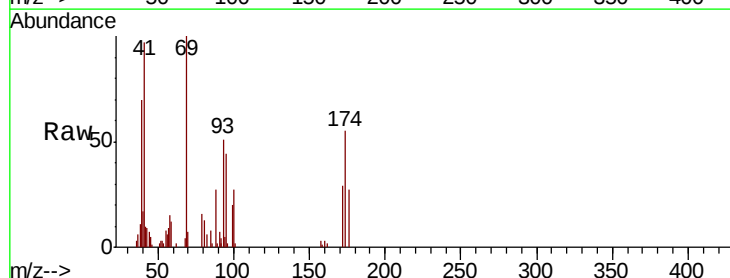
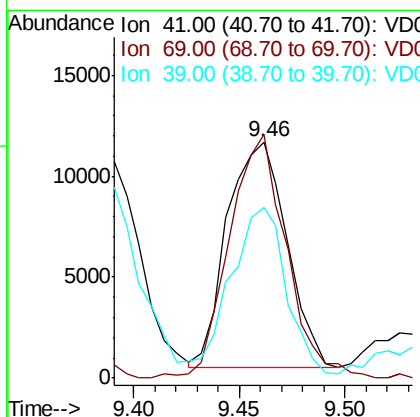
RT: 9.46 min Scan# 1282

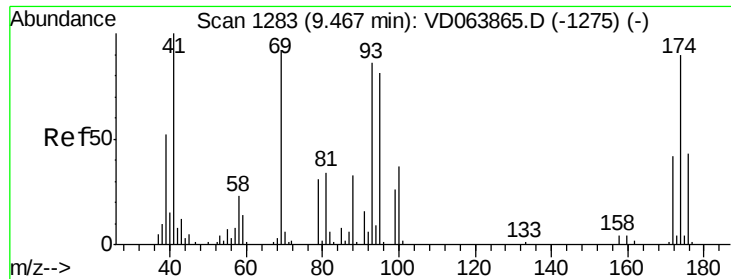
Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion:	41	Resp:	21826
Ion	Ratio	Lower	Upper
41	100		
69	103.7	75.1	112.7
39	72.5	50.2	75.2





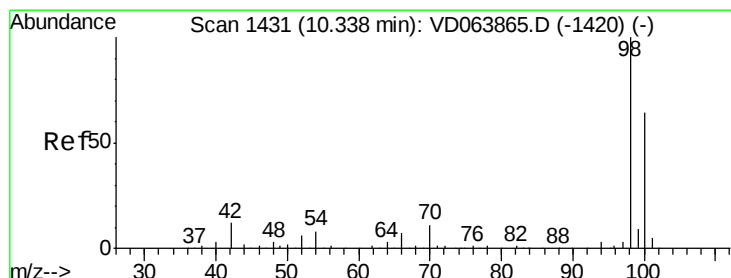
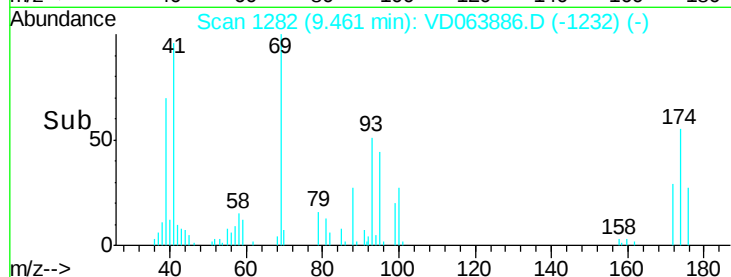
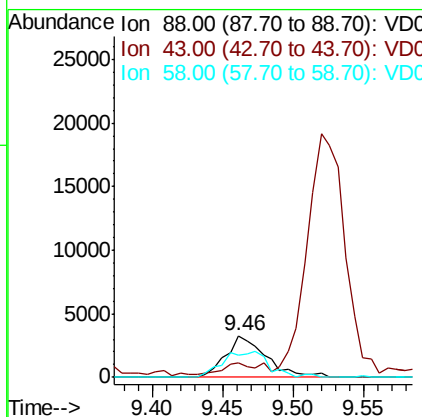
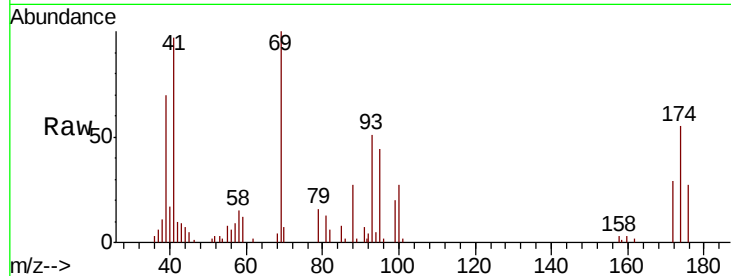
#49
1,4-Dioxane
Concen: 412.566 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 88 Resp: 6555
Ion Ratio Lower Upper
88 100
43 19.1 27.6 41.4#
58 69.1 54.1 81.1

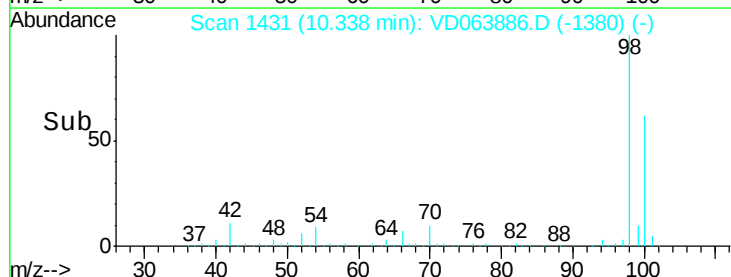
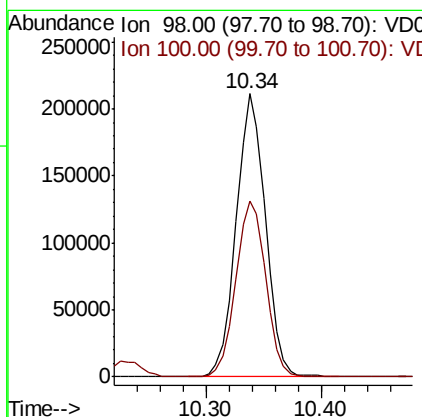
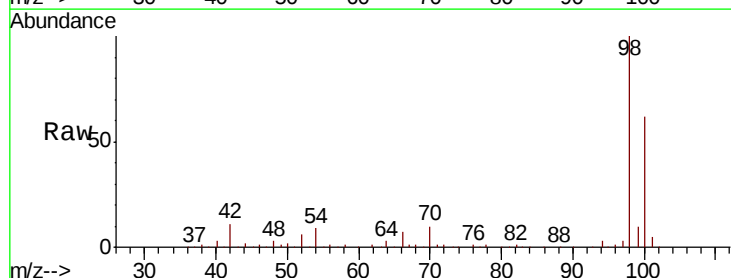
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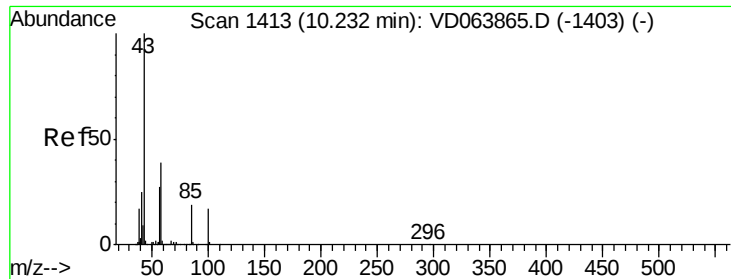
MMDadoda
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#50
Toluene-d8
Concen: 46.925 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 98 Resp: 370940
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 102.484 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 129881

Ion Ratio Lower Upper

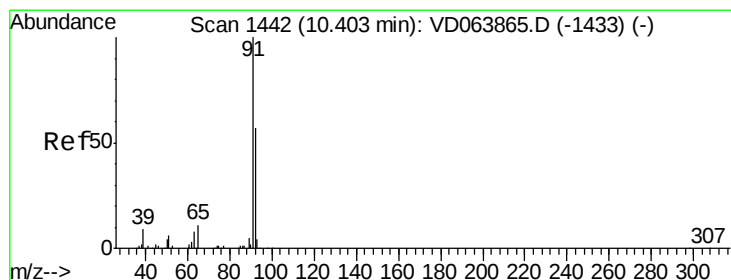
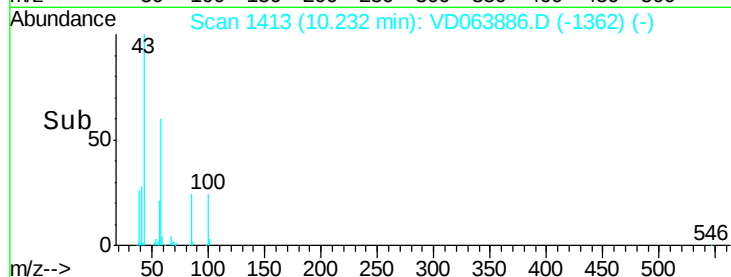
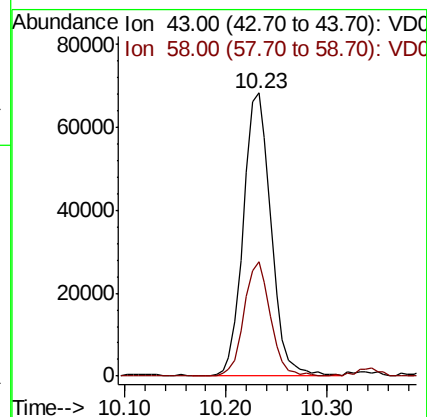
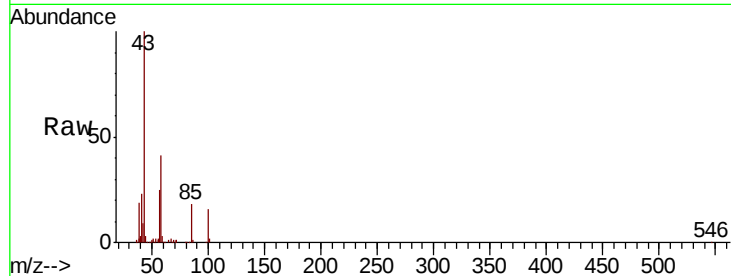
43 100

58 38.5 33.0 49.4

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#52

Toluene

Concen: 19.755 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063886.D

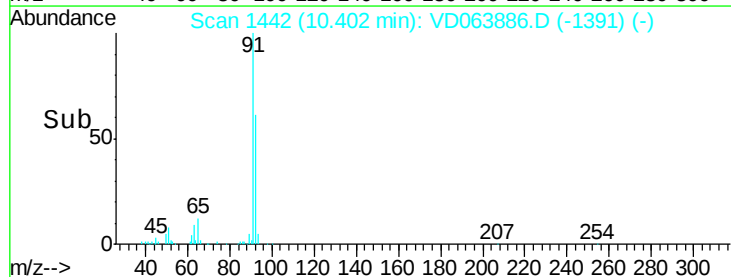
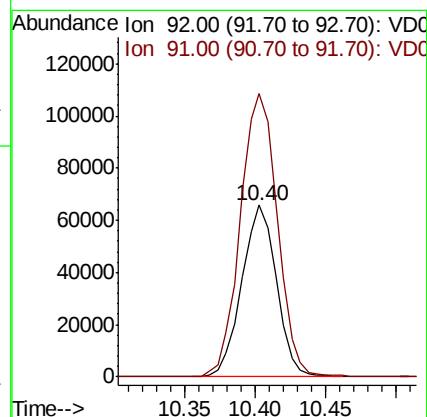
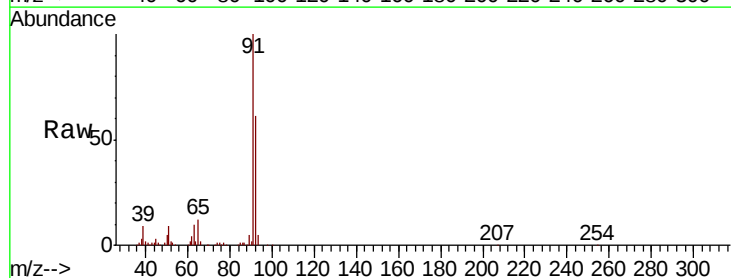
Acq: 04 Oct 2019 14:38

Tgt Ion: 92 Resp: 113241

Ion Ratio Lower Upper

92 100

91 176.8 139.5 209.3





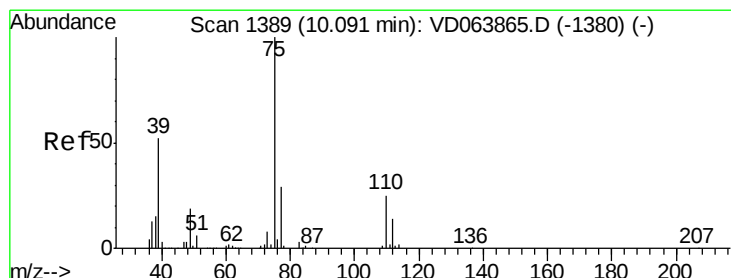
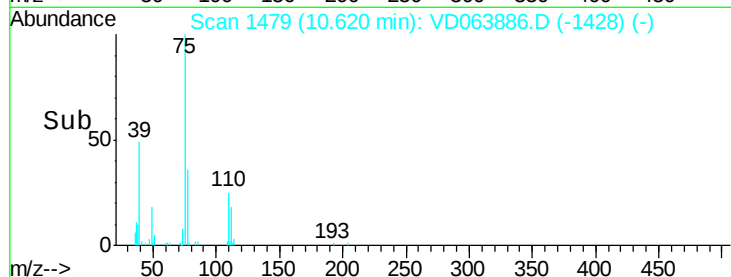
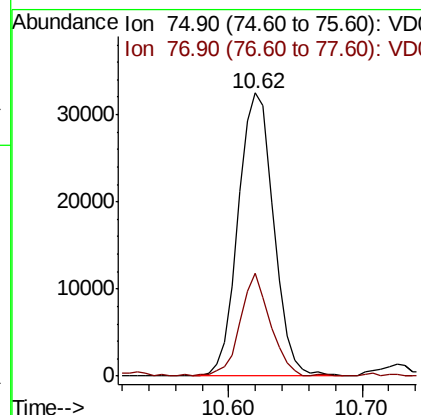
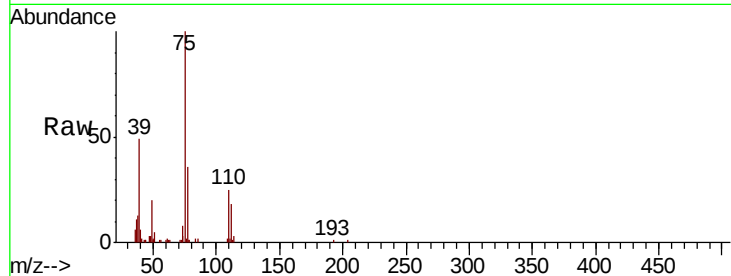
#53
t-1,3-Dichloropropene
Concen: 20.412 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 75 Resp: 59692
Ion Ratio Lower Upper
75 100
77 36.3 22.8 34.2#

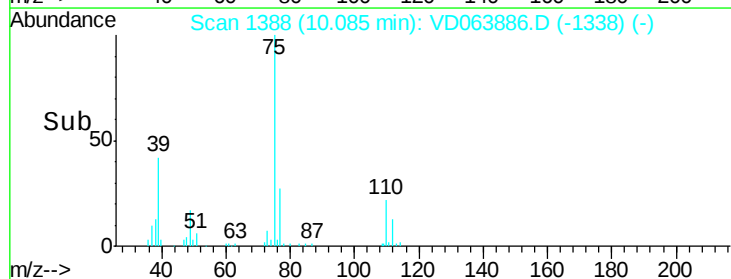
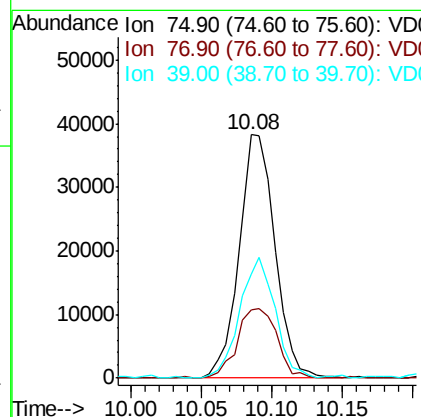
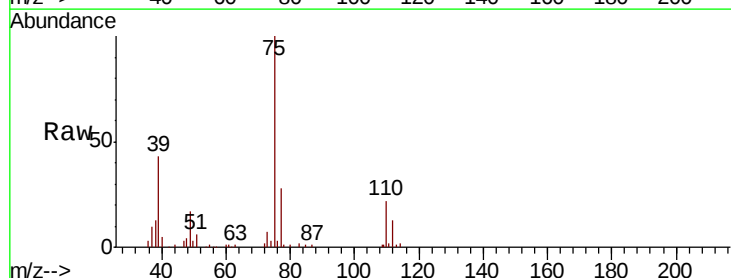
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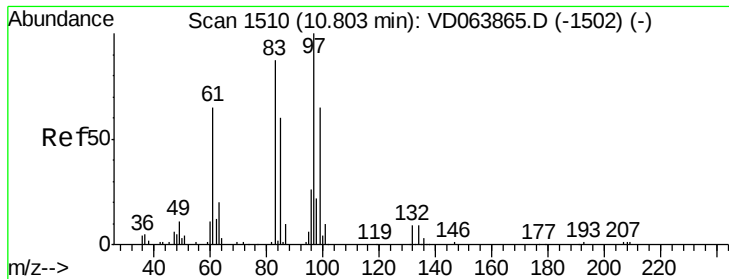
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.197 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 75 Resp: 67989
Ion Ratio Lower Upper
75 100
77 27.9 23.2 34.8
39 42.6 41.5 62.3





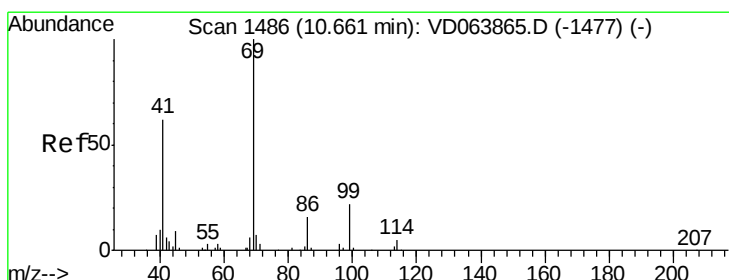
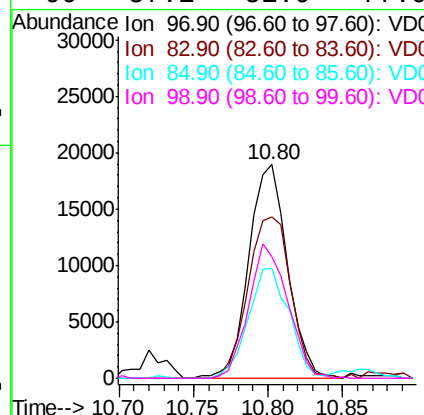
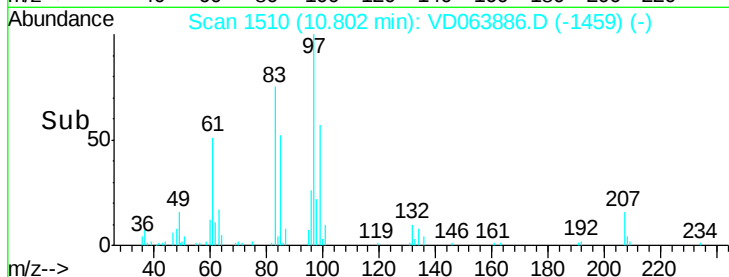
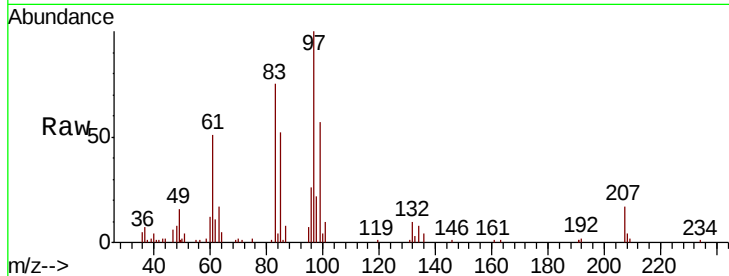
#55
 1,1,2-Trichloroethane
 Concen: 20.691 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion:	97	Resp:	34006
Ion	Ratio	Lower	Upper
97	100		
83	75.4	69.7	104.5
85	51.8	48.1	72.1
99	57.1	51.9	77.9

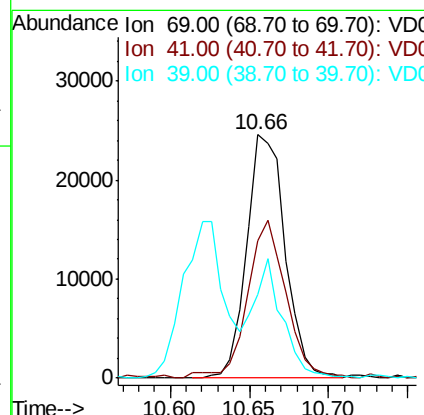
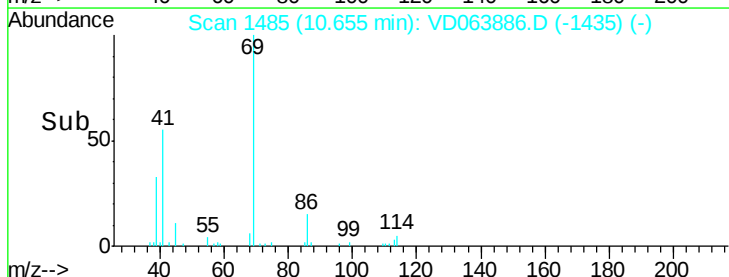
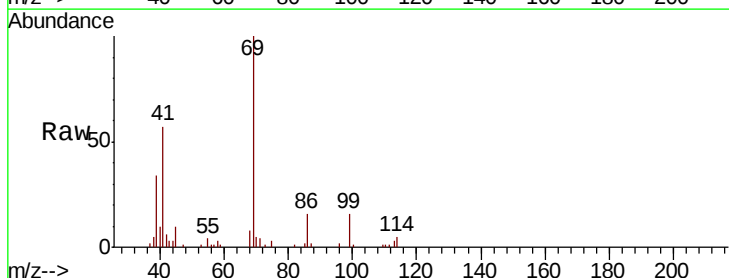
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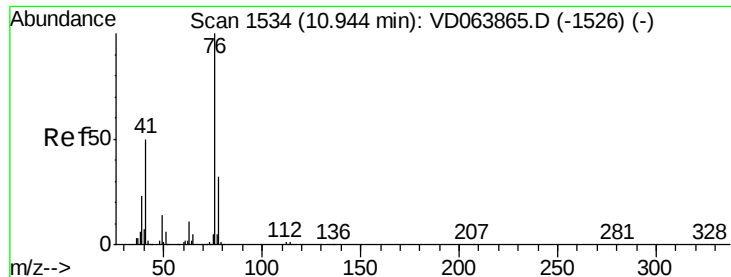
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#56
 Ethyl methacrylate
 Concen: 19.863 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion:	69	Resp:	41339
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.3	76.9
39	37.9	28.0	42.0





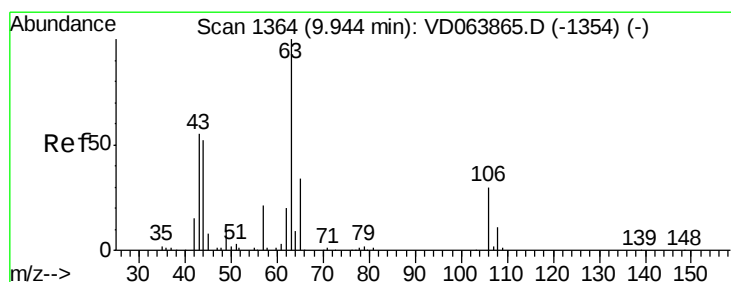
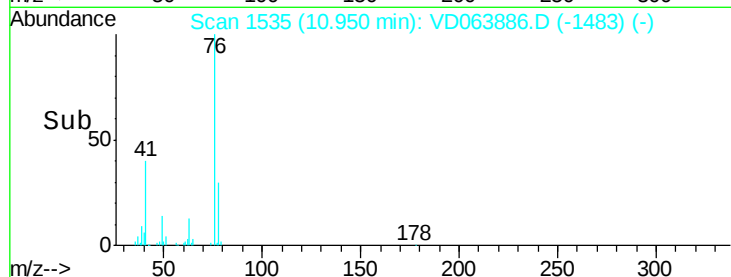
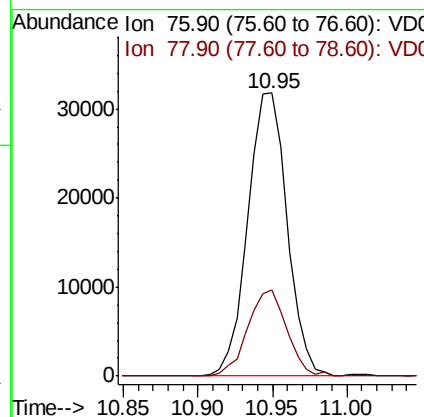
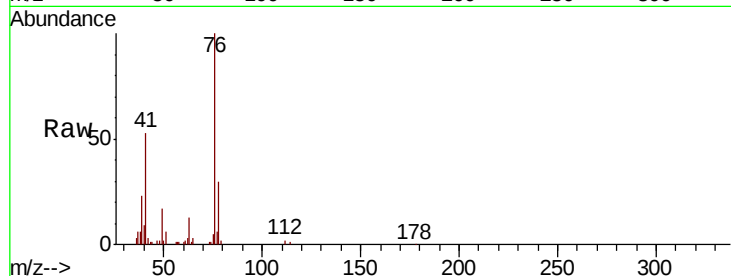
#57
 1,3-Dichloropropane
 Concen: 20.564 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.2	26.6	40.0

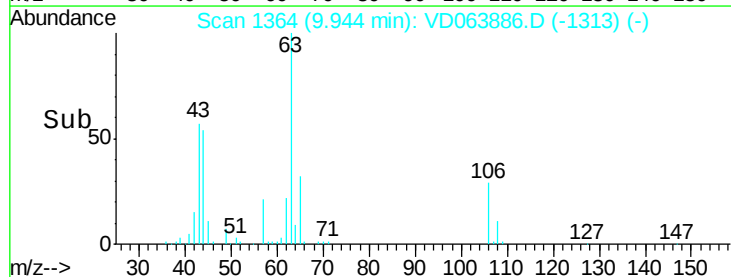
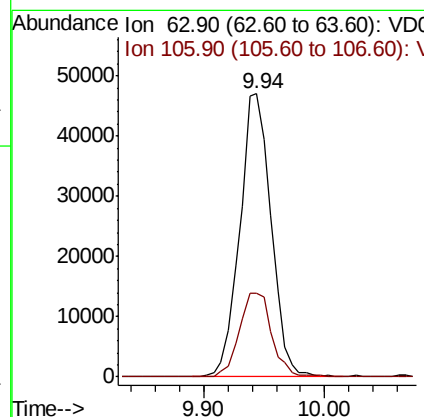
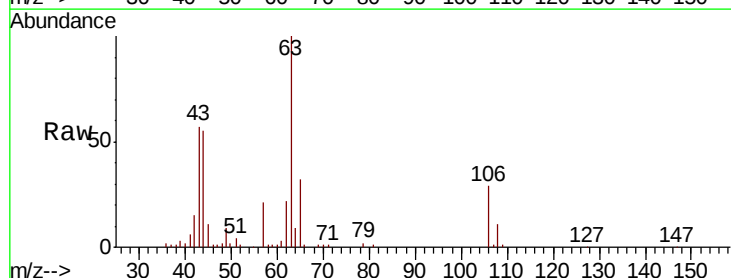
Manual Integrations
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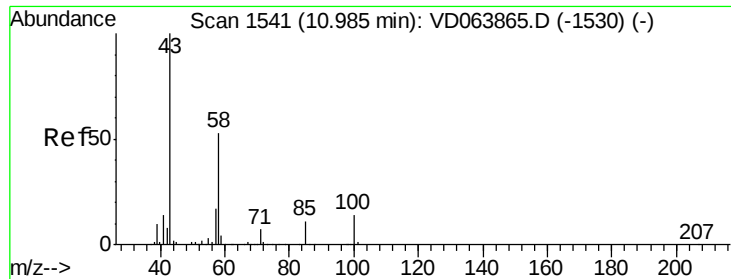
MMDadoda
 10/8/2019 3:11:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.105 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	24.3	36.5





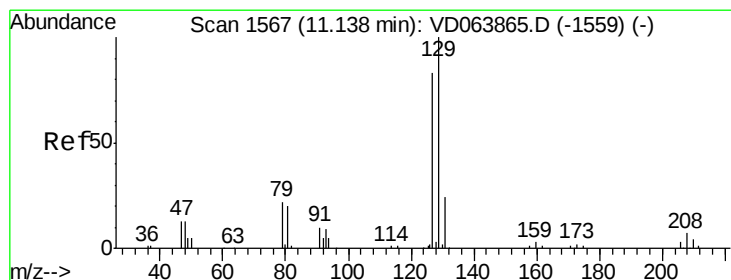
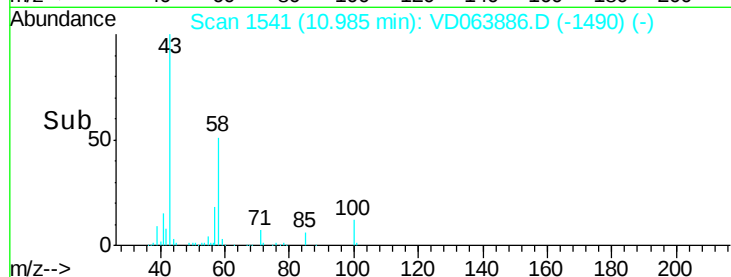
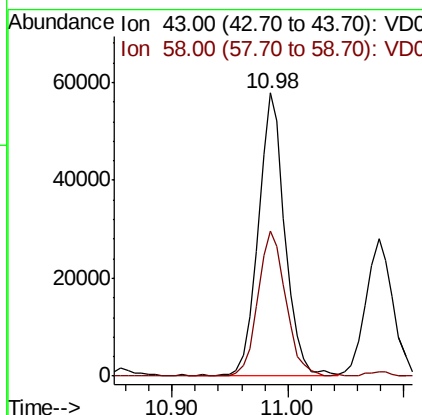
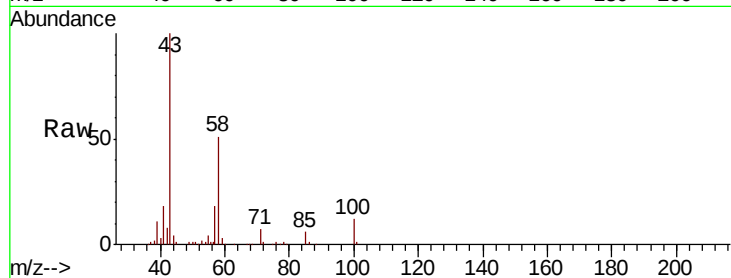
#59
2-Hexanone
Concen: 101.672 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 43 Resp: 93208
Ion Ratio Lower Upper
43 100
58 53.3 27.7 83.0

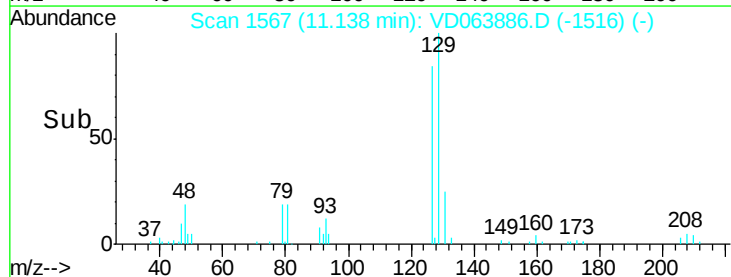
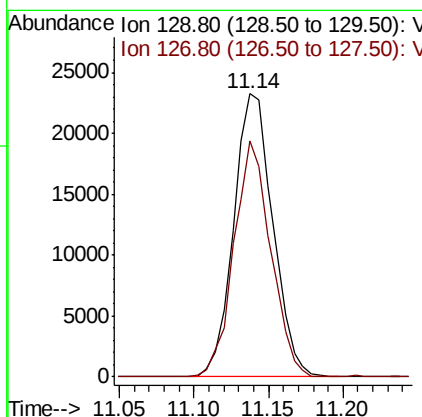
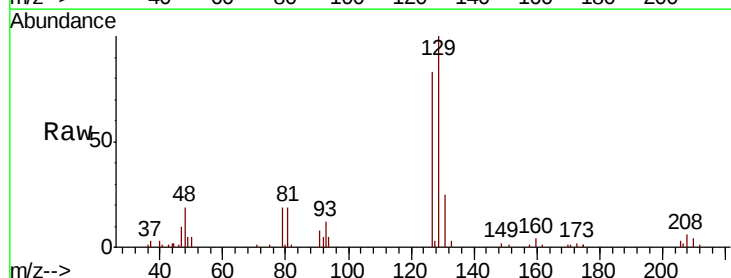
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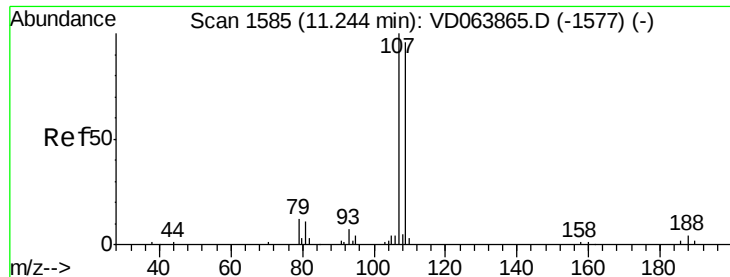
MMDadoda
10/8/2019 3:11:27 PM



#60
Dibromochloromethane
Concen: 19.782 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 129 Resp: 42326
Ion Ratio Lower Upper
129 100
127 78.4 39.9 119.6





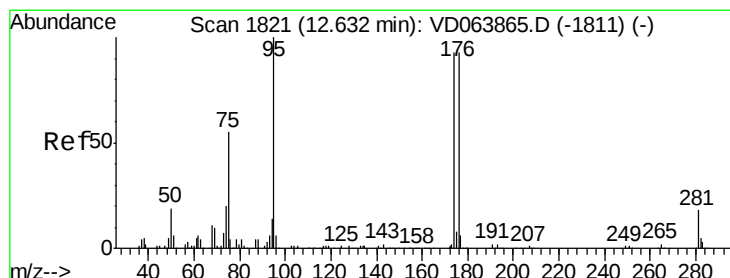
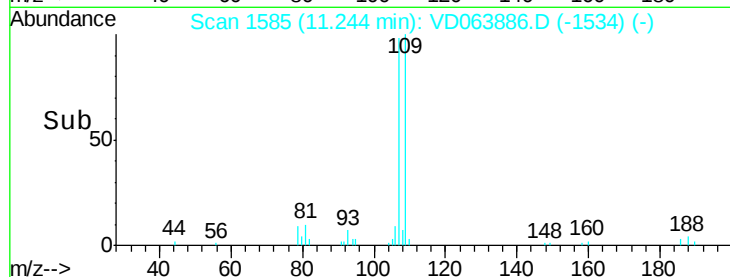
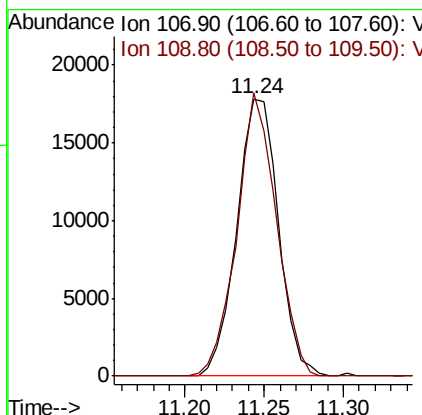
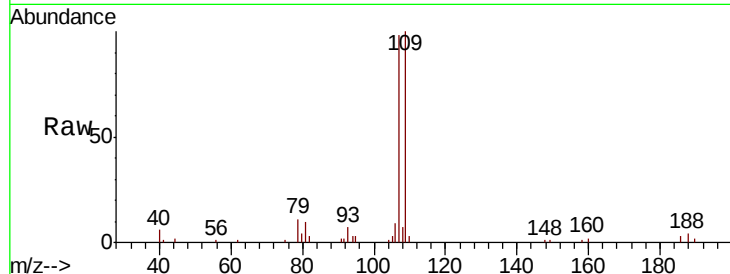
#61
 1,2-Dibromoethane
 Concen: 20.434 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion: 107 Resp: 32557
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.2 112.8

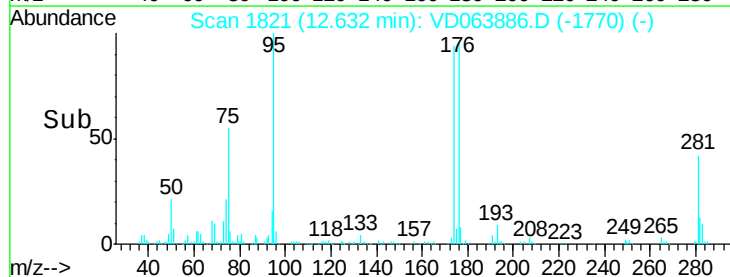
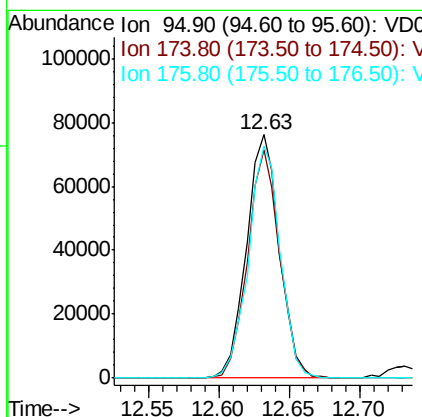
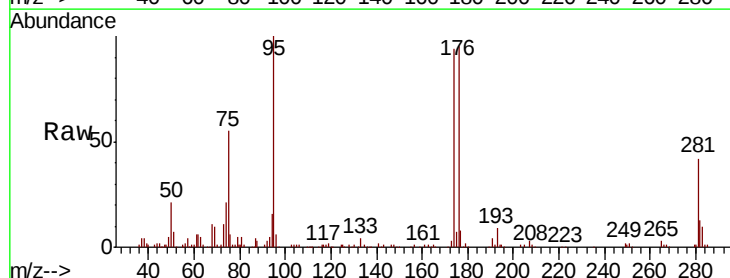
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 45.361 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 95 Resp: 124605
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 186.4
 176 92.7 0.0 184.2





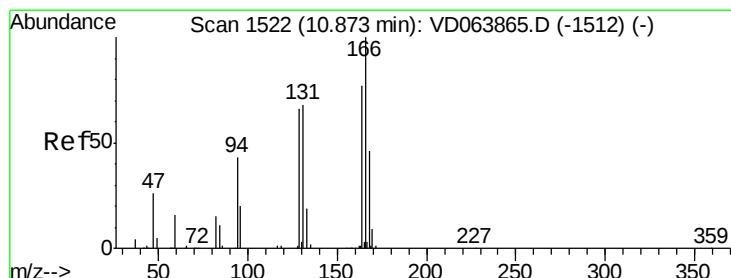
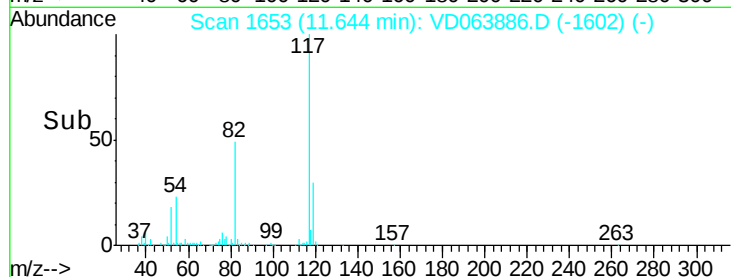
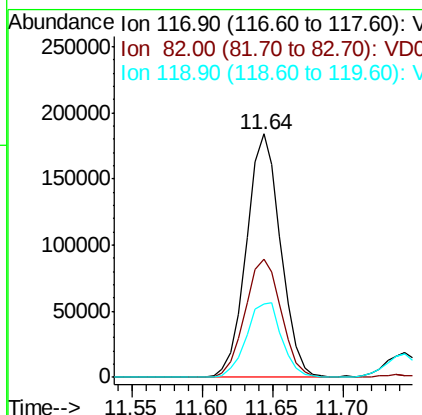
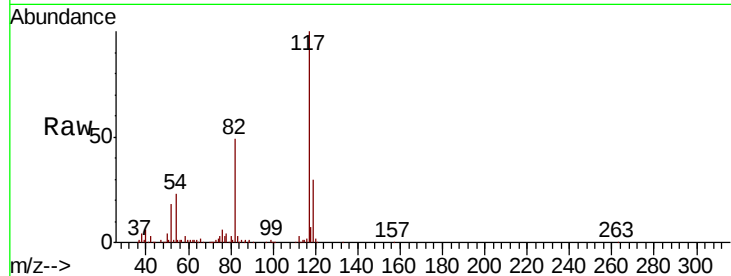
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	42.8	64.2
119	30.1	24.4	36.6

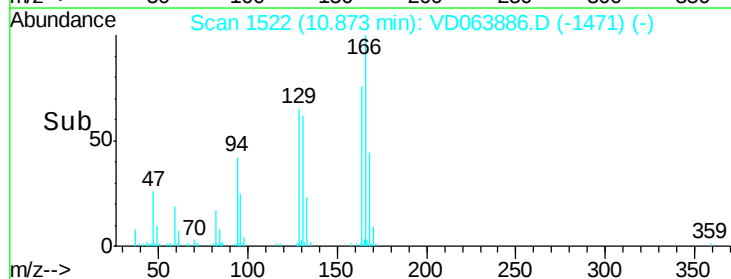
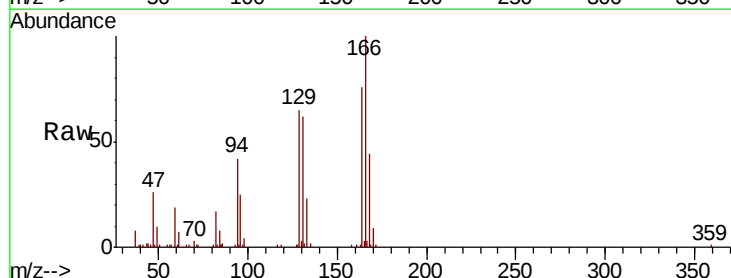
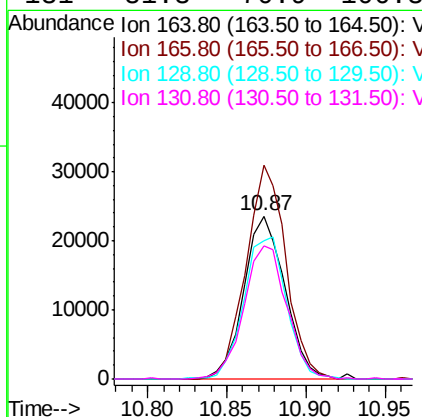
Manual Integrations
APPROVED

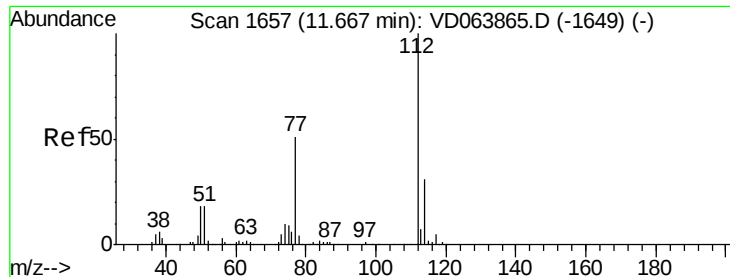
MMDadoda
10/8/2019 3:11:27 PM



#64
Tetrachloroethene
Concen: 19.920 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	103.8	155.6
129	84.4	68.9	103.3
131	81.3	70.9	106.3





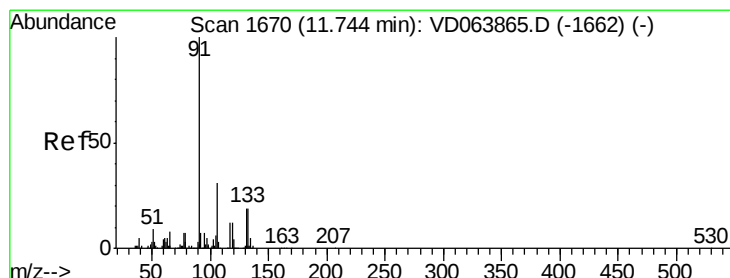
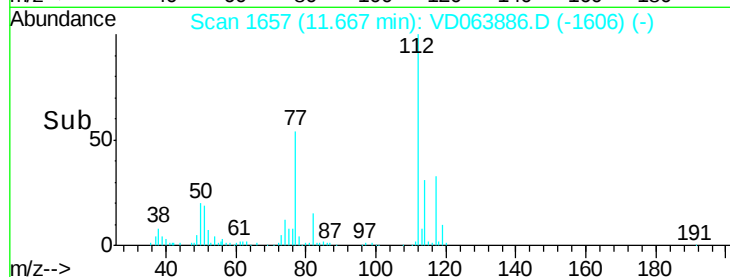
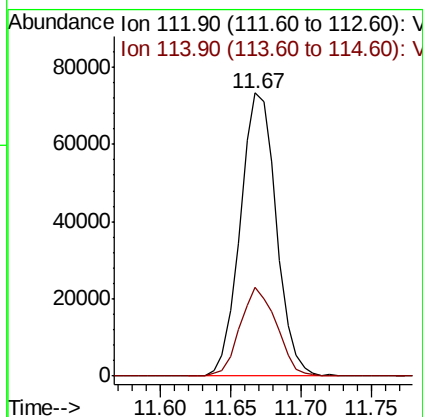
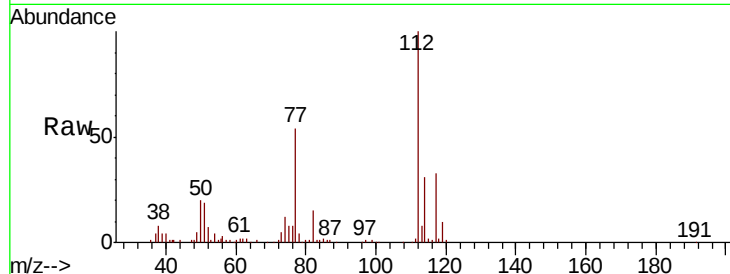
#65
Chlorobenzene
Concen: 20.870 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	131101		
114	31.2	25.1	37.7	

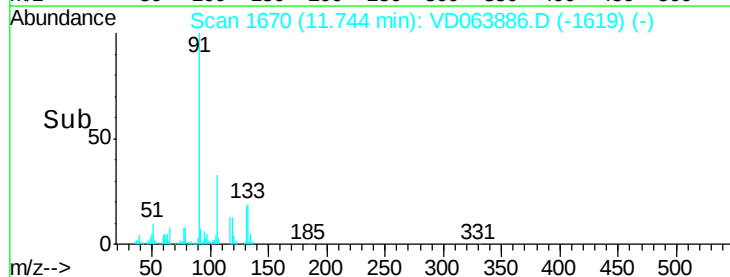
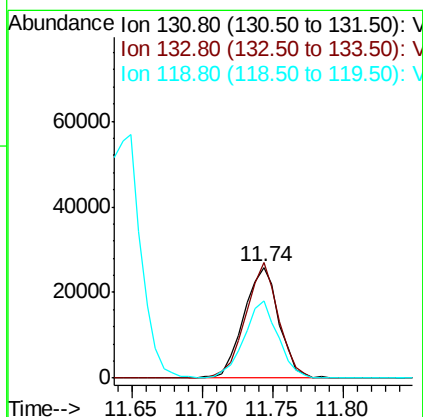
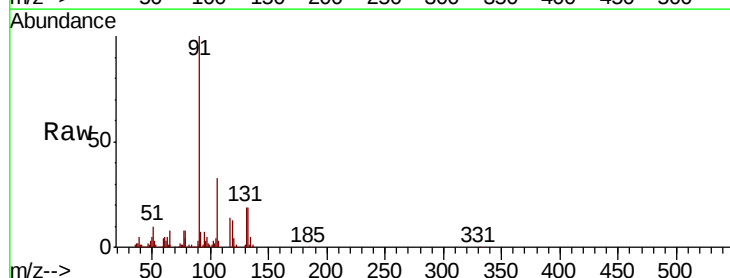
Manual Integrations
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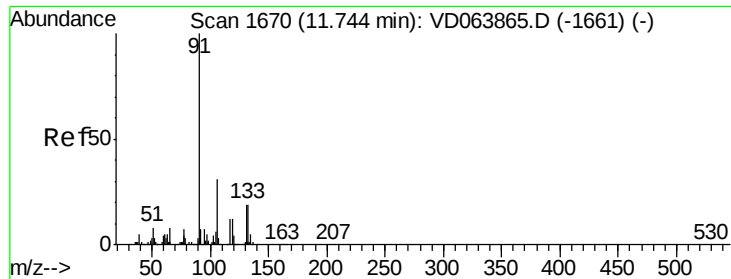
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.403 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	44914		
133	97.5	48.9	146.7	
119	67.3	32.6	97.8	





#67

Ethyl Benzene

Concen: 20.086 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 91 Resp: 227527

Ion Ratio Lower Upper

91 100

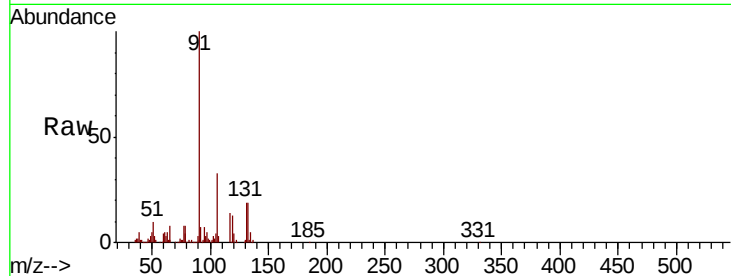
106 32.6 24.6 37.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

200000

150000

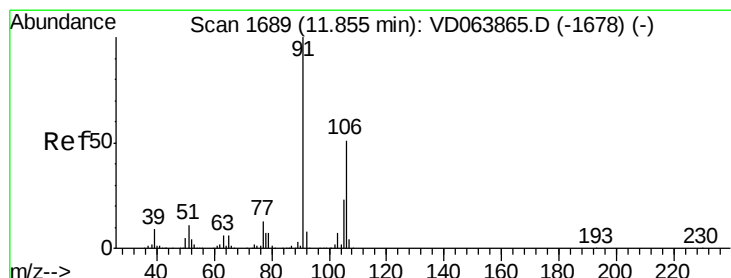
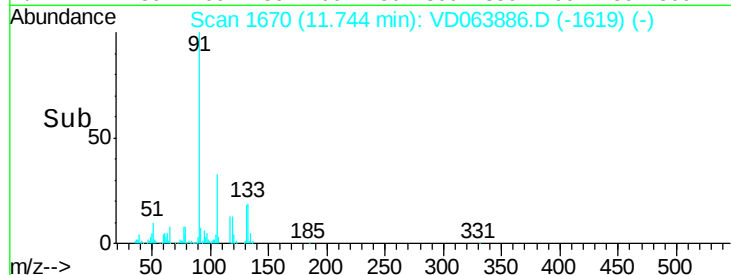
100000

50000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 40.894 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063886.D

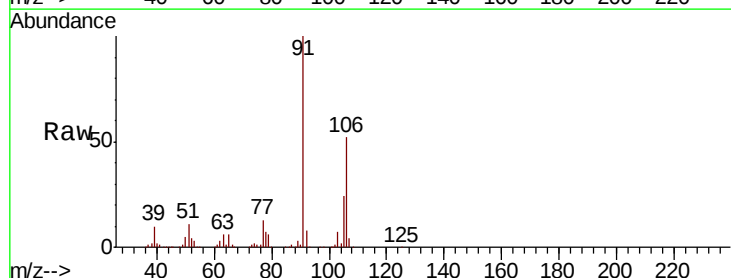
Acq: 04 Oct 2019 14:38

Tgt Ion: 106 Resp: 178796

Ion Ratio Lower Upper

106 100

91 195.5 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

150000

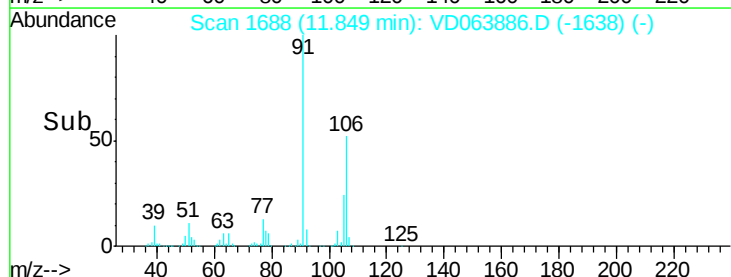
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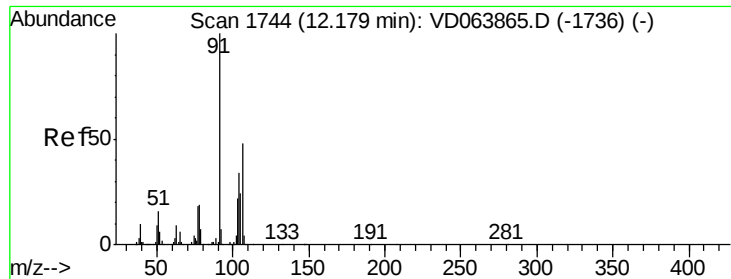
50000

0

11.80 11.85 11.90

Time-->





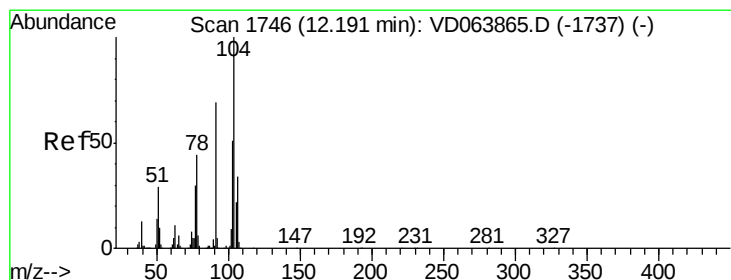
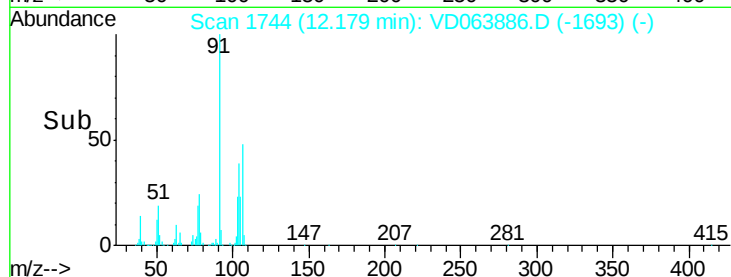
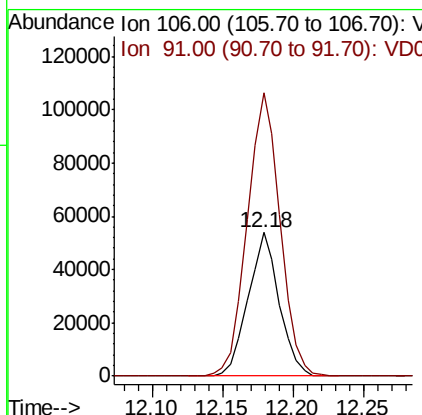
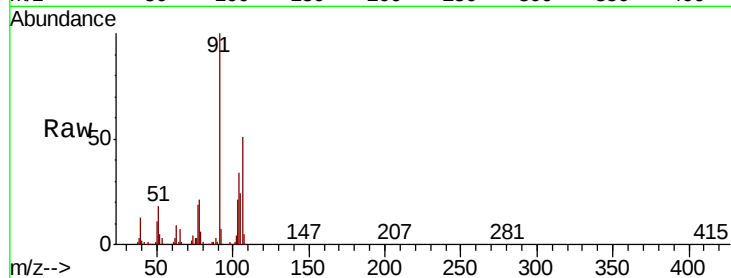
#69
o-Xylene
Concen: 19.941 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion:106 Resp: 83483
Ion Ratio Lower Upper
106 100
91 207.7 103.9 311.7

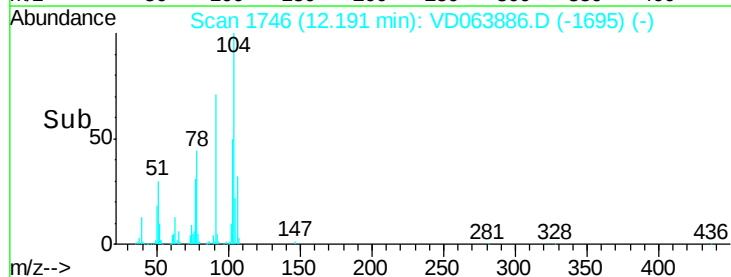
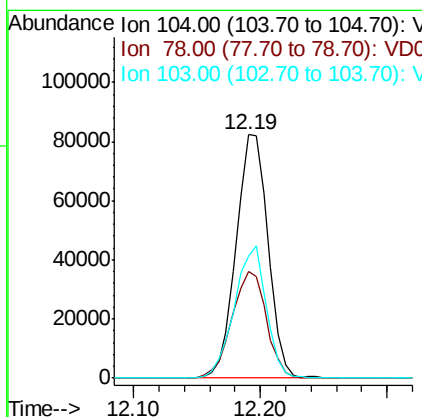
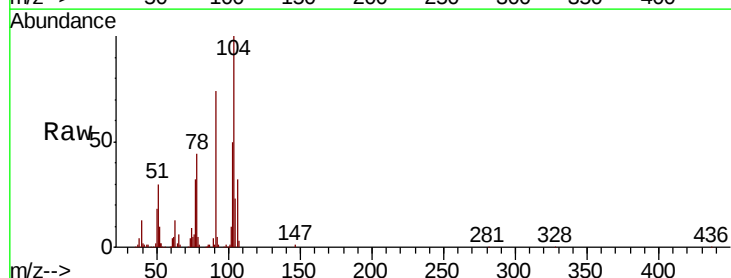
Manual Integrations
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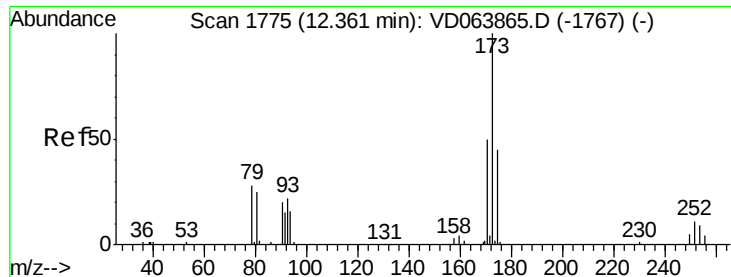
MMDadoda
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#70
Styrene
Concen: 20.278 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion:104 Resp: 143714
Ion Ratio Lower Upper
104 100
78 47.0 37.0 55.4
103 54.4 44.2 66.4





#71

Bromoform

Concen: 20.200 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

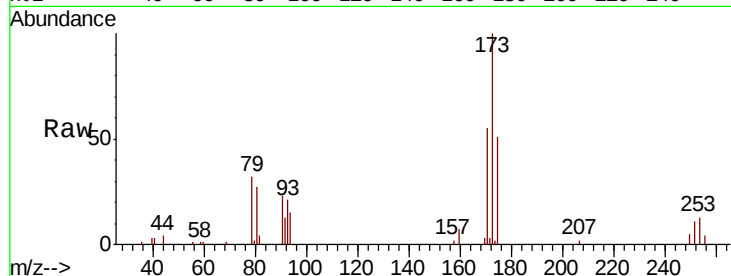
ClientSampleId :

VD1004SBS01

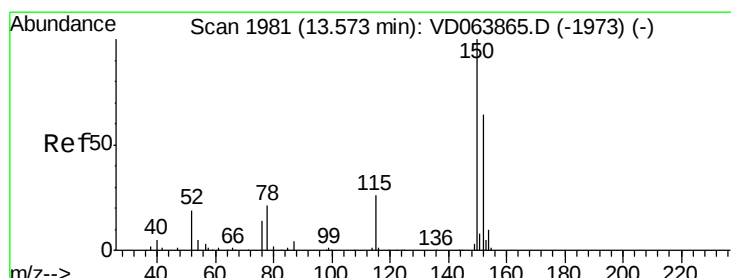
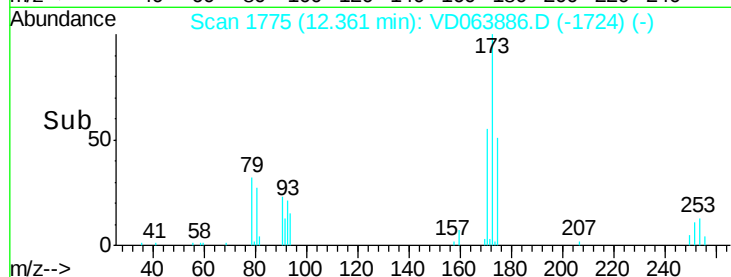
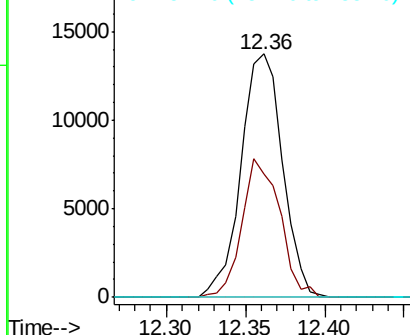
Tot Ion:	173	Resp:	25094
Ion Ratio	Lower	Upper	
173	100		
175	51.9	24.6	74.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

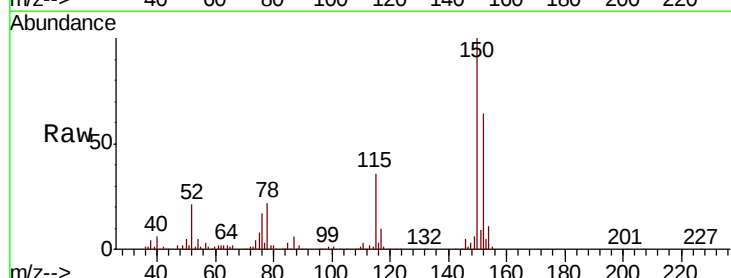
RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

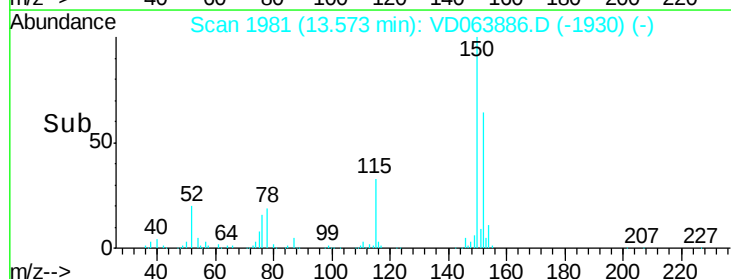
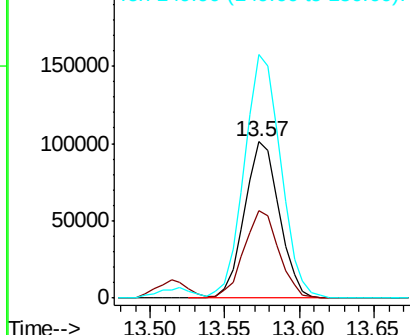
Lab File: VD063886.D

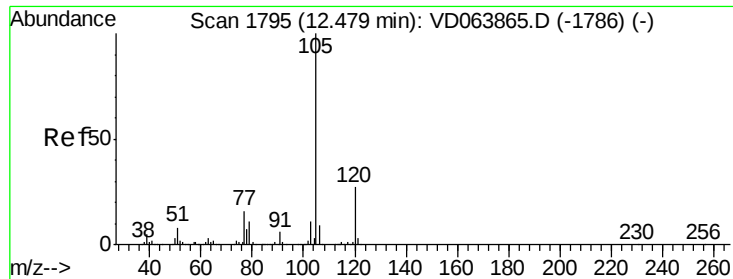
Acq: 04 Oct 2019 14:38

Tgt Ion:	152	Resp:	162872
Ion Ratio	Lower	Upper	
152	100		
115	55.8	25.9	77.7
150	163.1	0.0	344.2



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





#73

Isopropylbenzene

Concen: 20.734 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 105 Resp: 227020

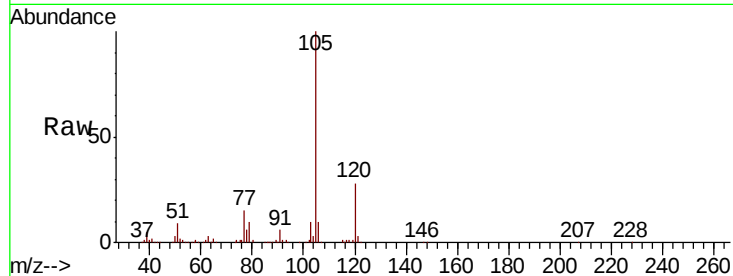
Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.8

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

Ion 120.00 (119.70 to 120.70): V

12.48

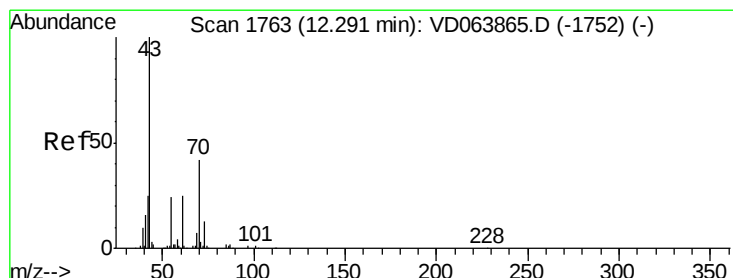
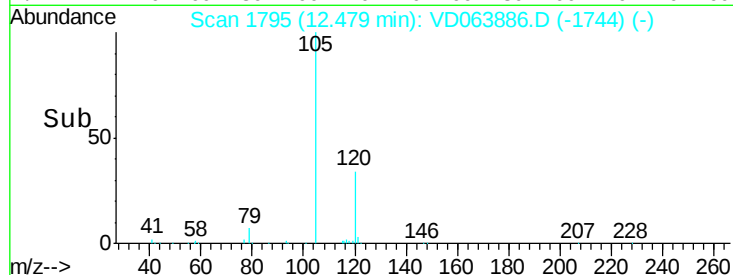
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.133 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion: 43 Resp: 49819

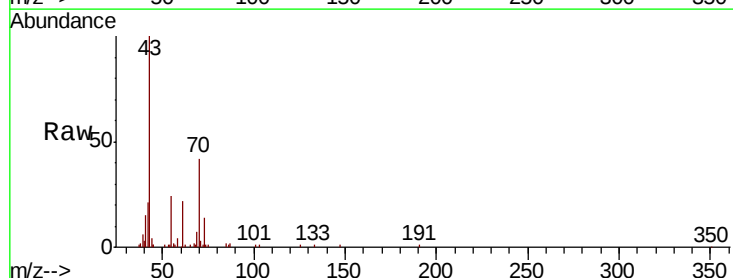
Ion Ratio Lower Upper

43 100

70 46.6 35.8 53.6

55 24.1 19.4 29.0

61 25.5 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

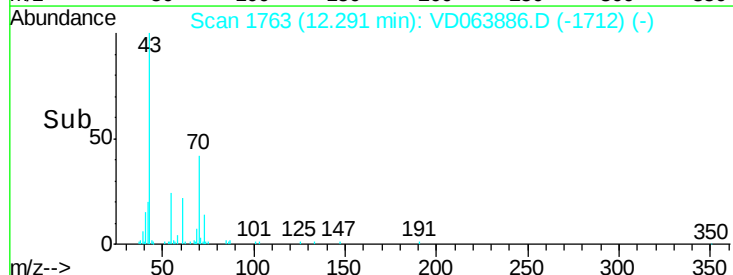
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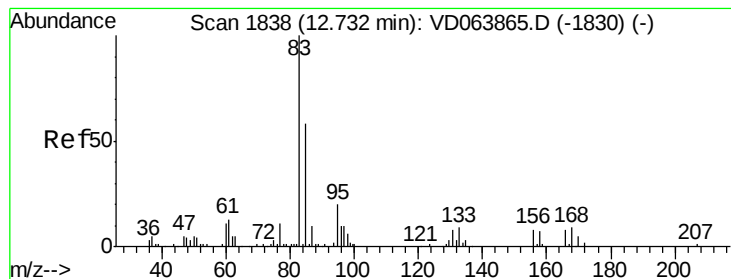
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.770 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

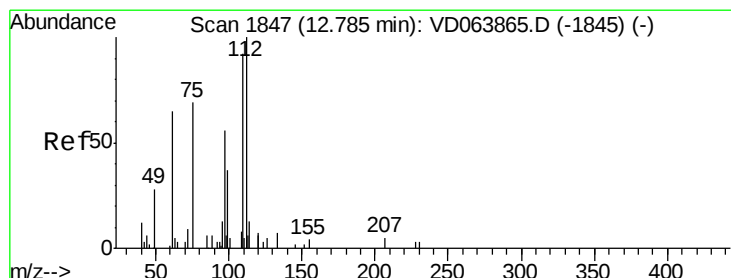
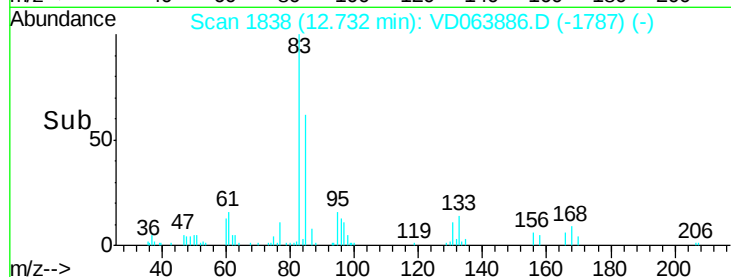
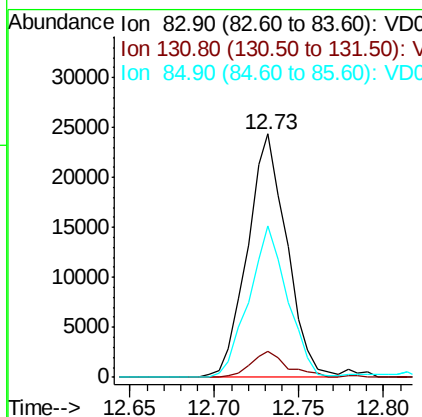
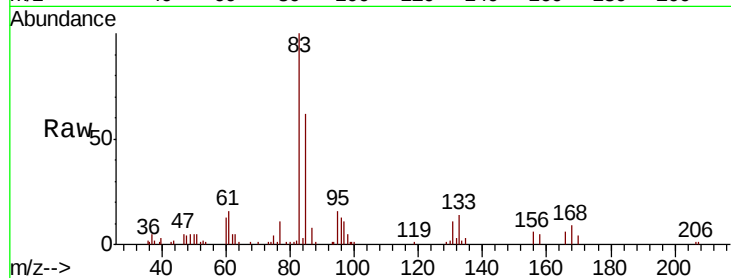
ClientSampleId :

VD1004SBS01

Tot Ion:	83	Resp:	39573
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.6	16.8
85	60.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.396 ug/l m

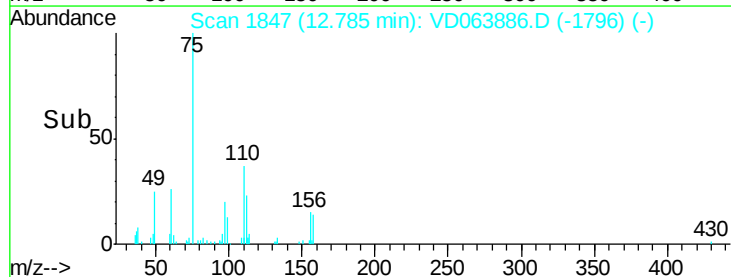
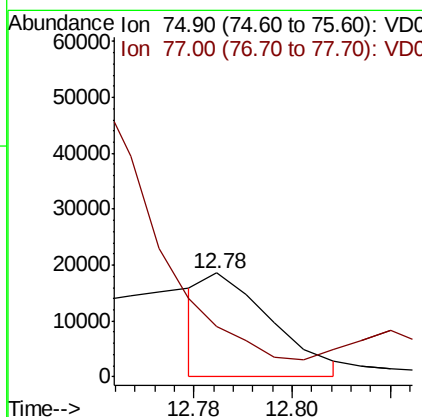
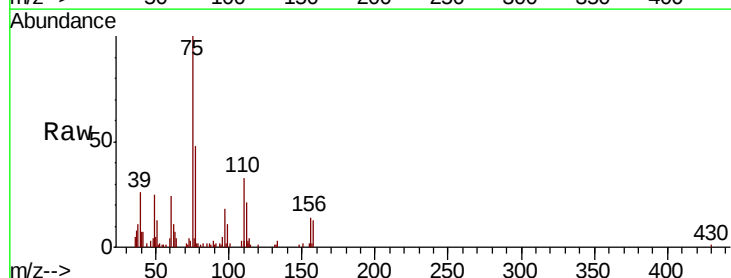
RT: 12.78 min Scan# 1847

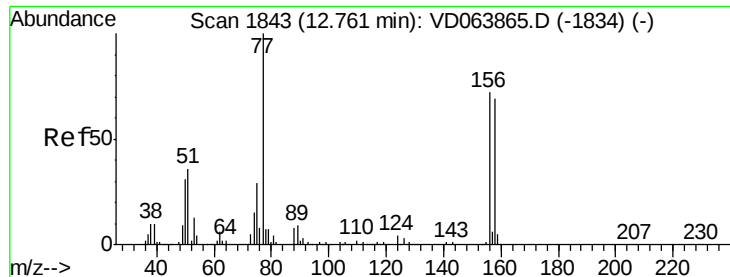
Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion:	75	Resp:	17886
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.735 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion:156 Resp: 53834

Ion Ratio Lower Upper

156 100

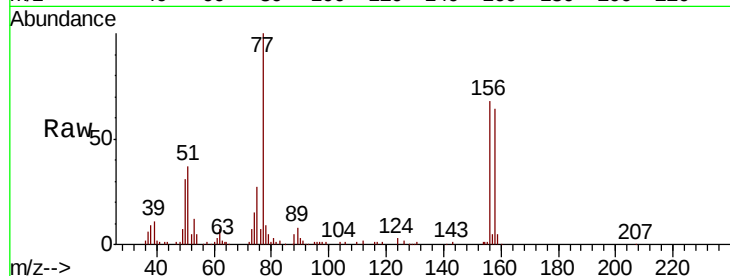
77 167.9 80.3 241.0

158 98.9 47.4 142.2

Manual Integrations
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MMDadoda

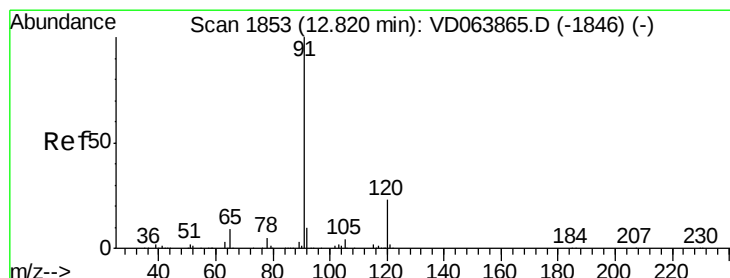
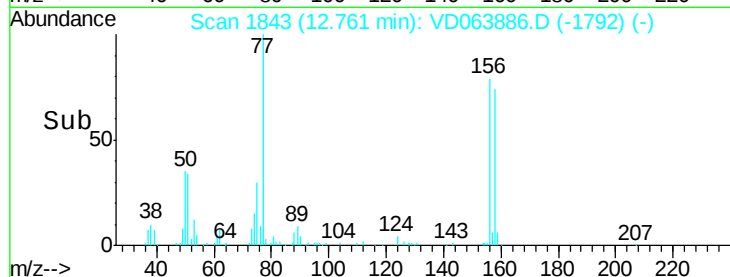
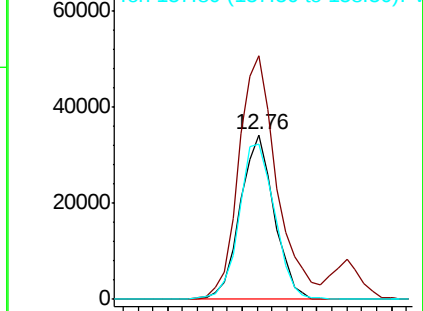
10/8/2019 3:11:27 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.323 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063886.D

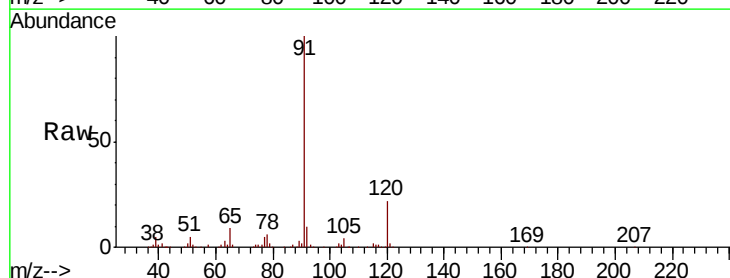
Acq: 04 Oct 2019 14:38

Tgt Ion: 91 Resp: 274042

Ion Ratio Lower Upper

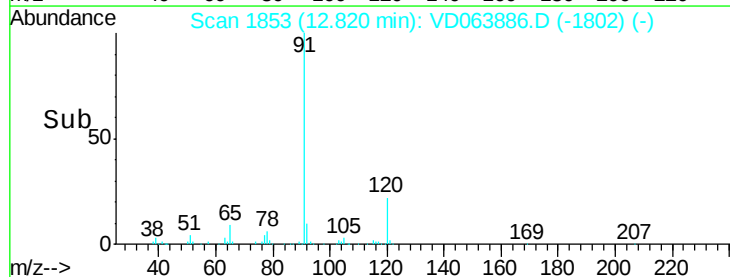
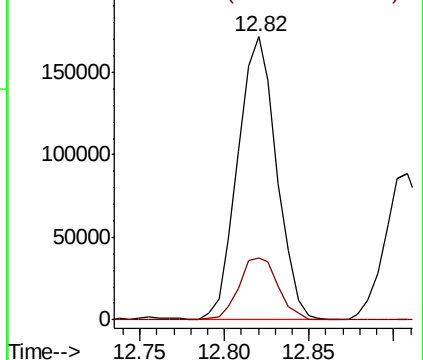
91 100

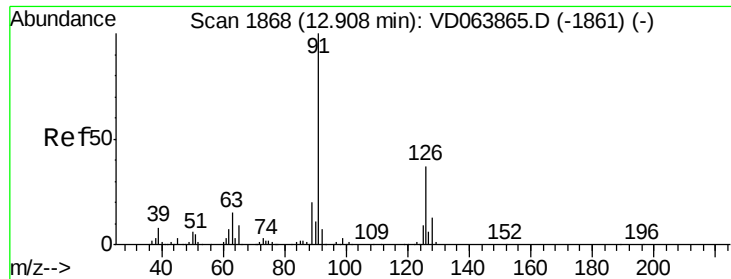
120 22.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.030 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 91 Resp: 149029

Ion Ratio Lower Upper

91 100

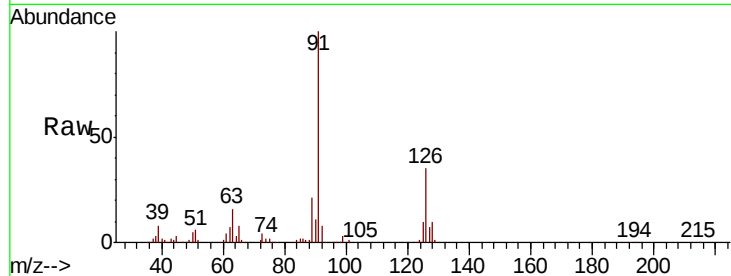
126 35.3 18.4 55.2

Manual Integrations

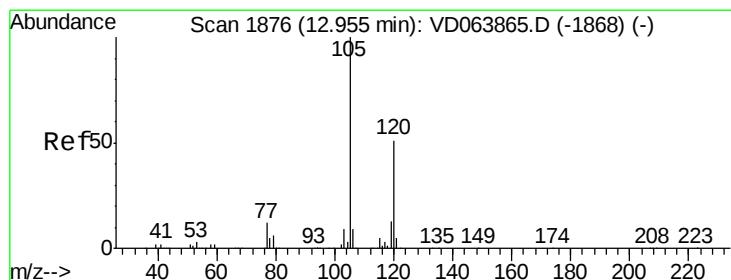
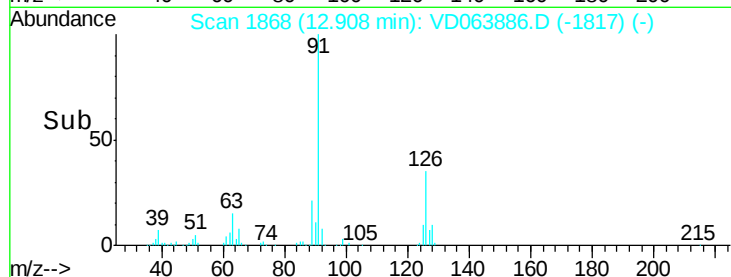
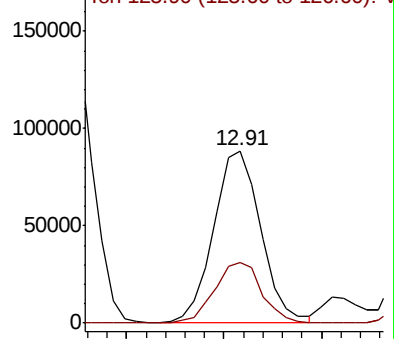
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Abundance Ion 91.00 (90.70 to 91.70): VD063886.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.835 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063886.D

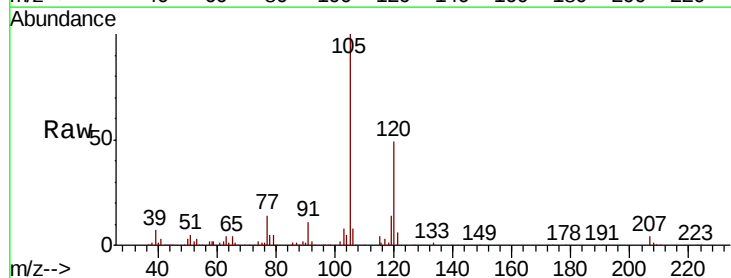
Acq: 04 Oct 2019 14:38

Tgt Ion:105 Resp: 190318

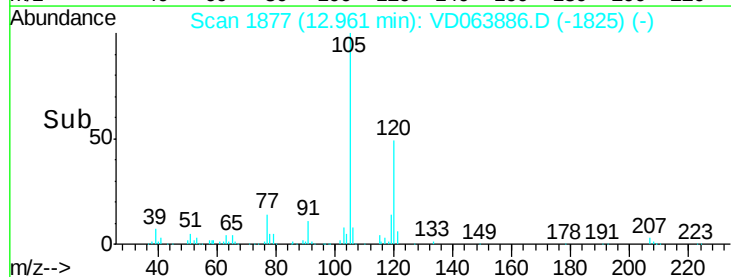
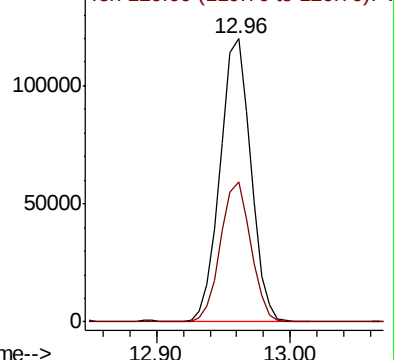
Ion Ratio Lower Upper

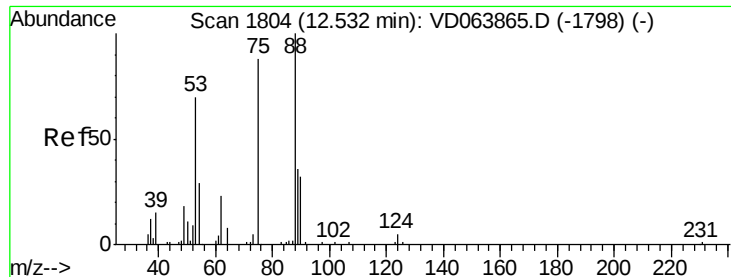
105 100

120 48.7 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063886.D (-1825) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.989 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

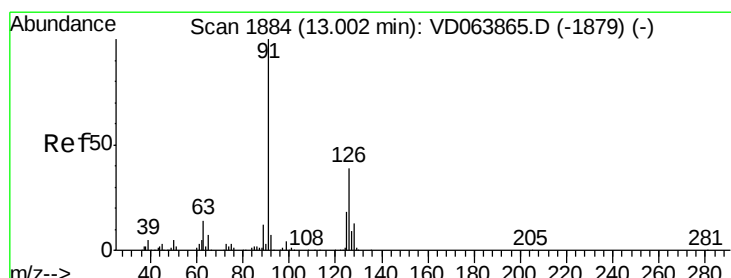
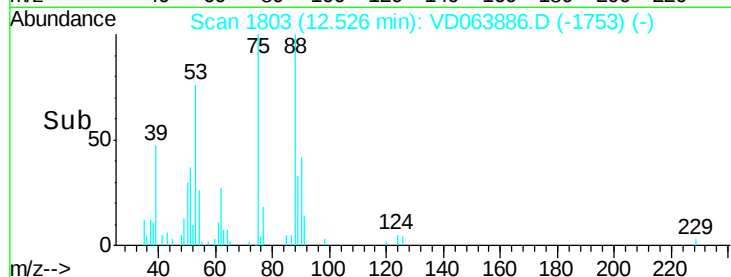
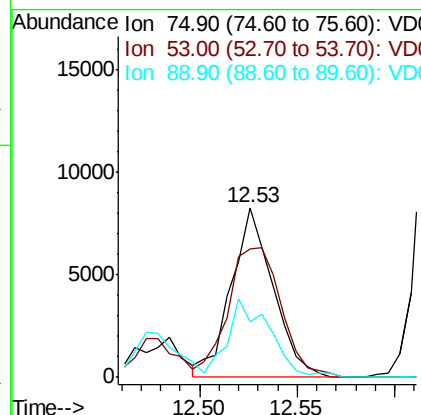
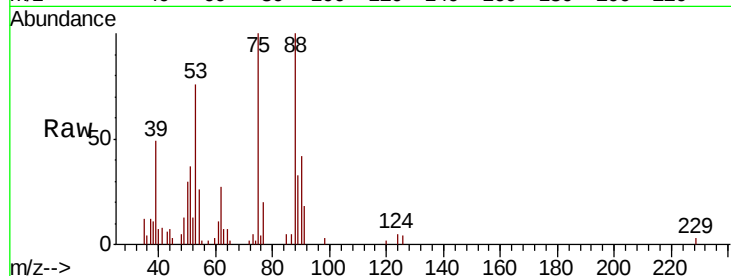
ClientSampleId :

VD1004SBS01

Tot Ion:	75	Resp:	12322
Ion Ratio	Lower	Upper	
75	100		
53	97.4	75.0	112.6
89	46.8	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.934 ug/l

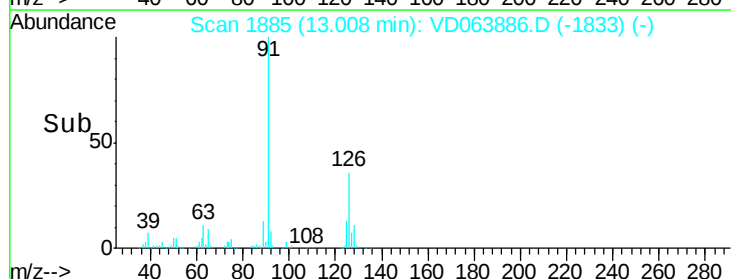
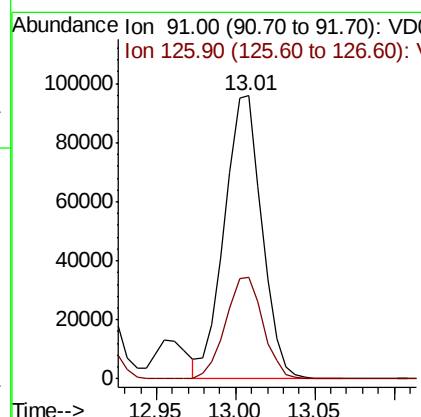
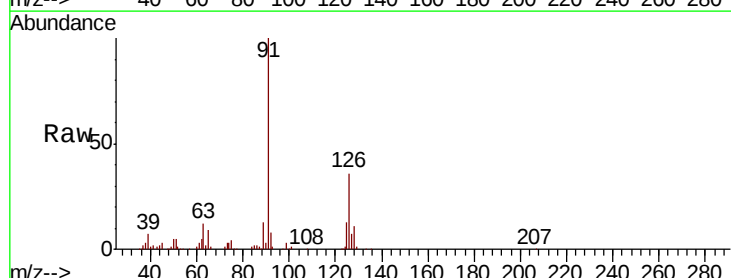
RT: 13.01 min Scan# 1885

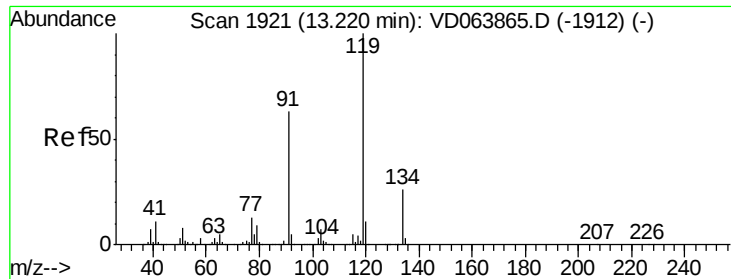
Delta R.T. 0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion:	91	Resp:	157372
Ion Ratio	Lower	Upper	
91	100		
126	36.0	18.6	55.8





#83

tert-Butylbenzene

Concen: 20.552 ug/l

RT: 13.22 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

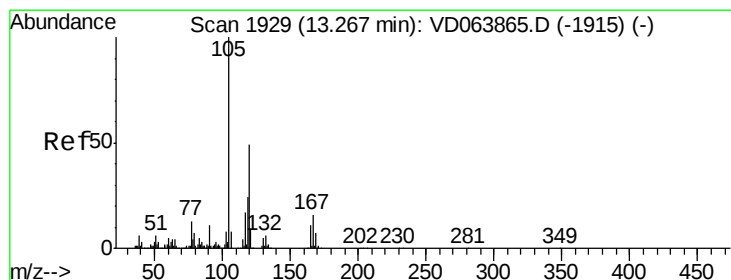
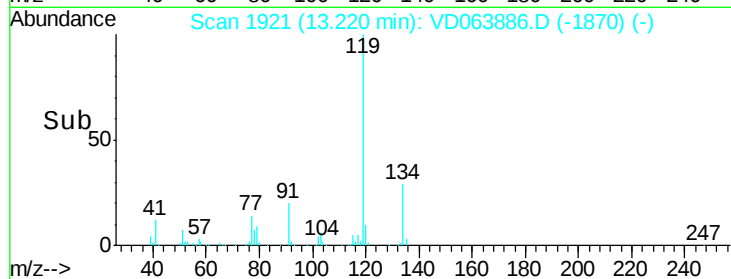
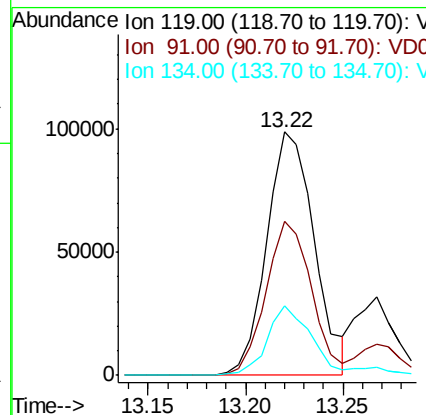
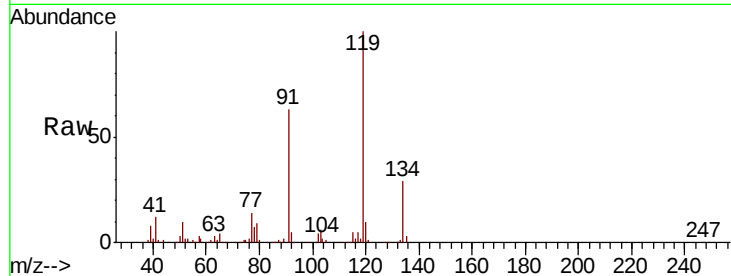
ClientSampleId :

VD1004SBS01

Tot Ion:	119	Resp:	167075
Ion Ratio	Lower	Upper	
119	100		
91	60.4	30.0	90.0
134	25.9	13.0	38.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.996 ug/l

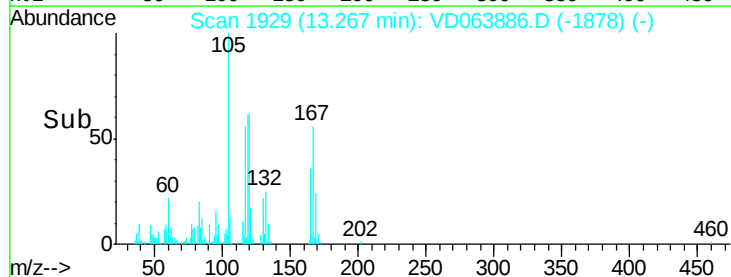
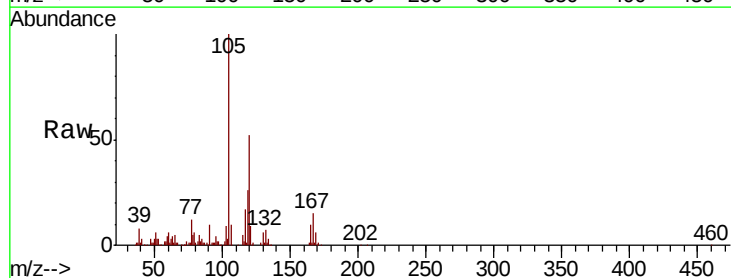
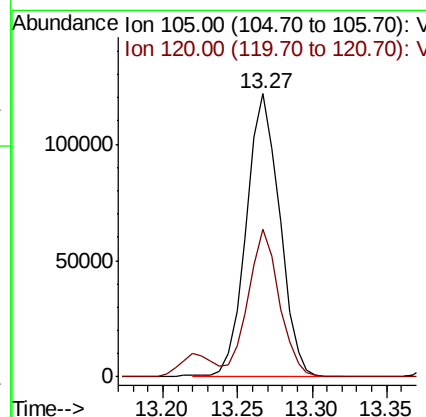
RT: 13.27 min Scan# 1929

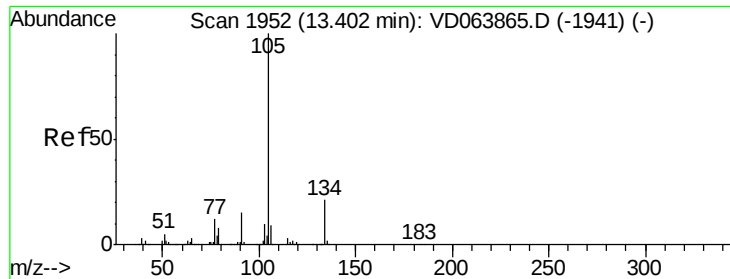
Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion:	105	Resp:	188305
Ion Ratio	Lower	Upper	
105	100		
120	49.0	23.8	71.5





#85

sec-Butylbenzene

Concen: 20.864 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion:105 Resp: 229060

Ion Ratio Lower Upper

105 100

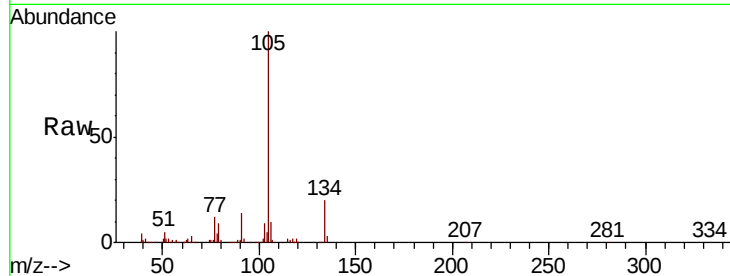
134 20.9 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

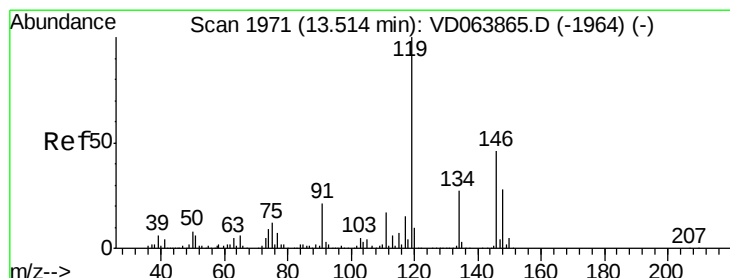
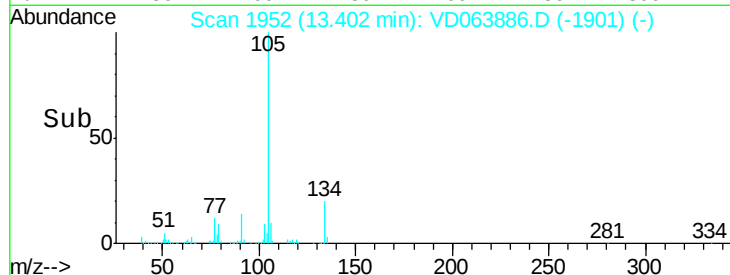
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 20.925 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

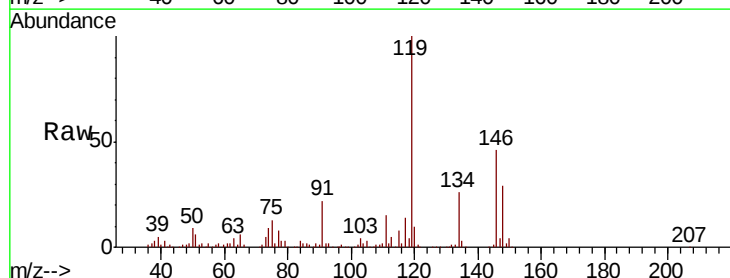
Tgt Ion:119 Resp: 217389

Ion Ratio Lower Upper

119 100

134 26.4 13.9 41.6

91 23.5 11.2 33.5



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

13.51

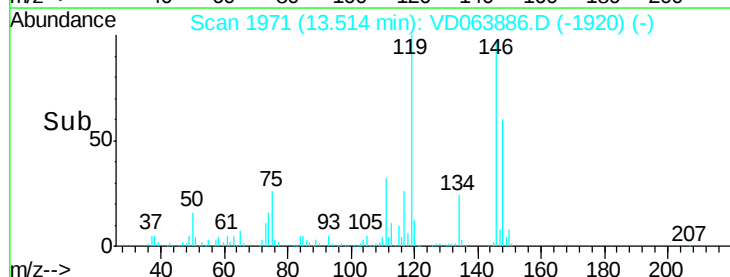
150000

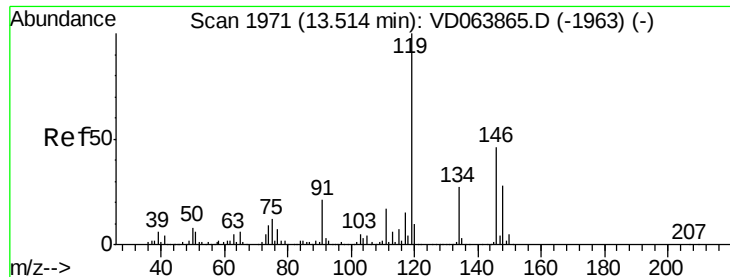
100000

50000

0

Time--> 13.45 13.50 13.55





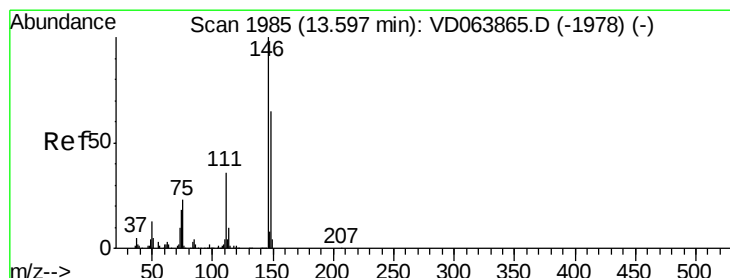
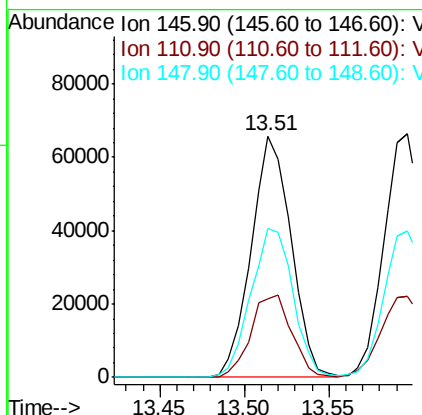
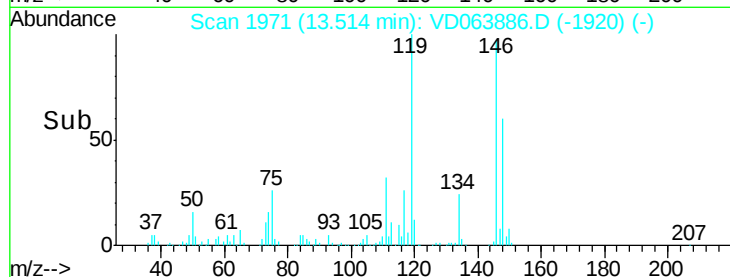
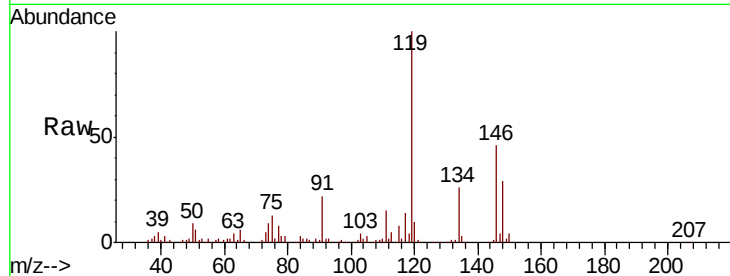
#87
 1,3-Dichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	18.3	54.9
148	65.2	31.8	95.4

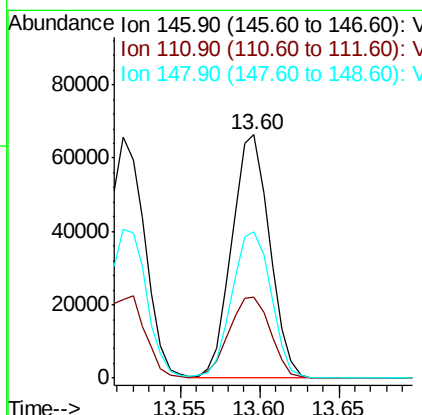
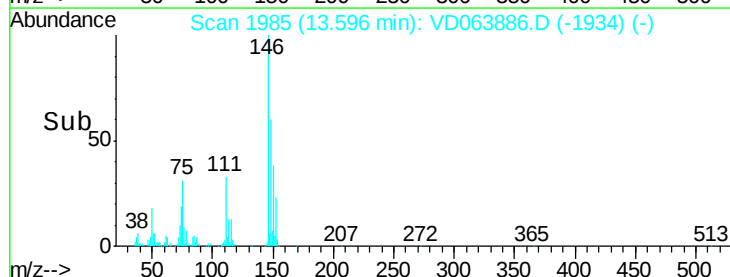
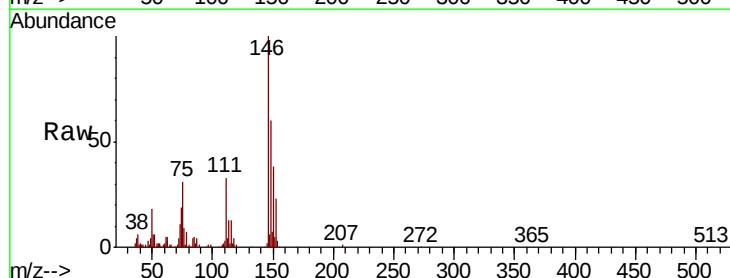
Manual Integrations
 APPROVED

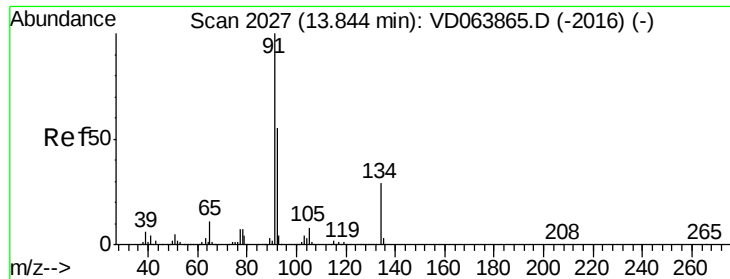
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#88
 1,4-Dichlorobenzene
 Concen: 20.680 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	56.0
148	62.0	32.6	98.0





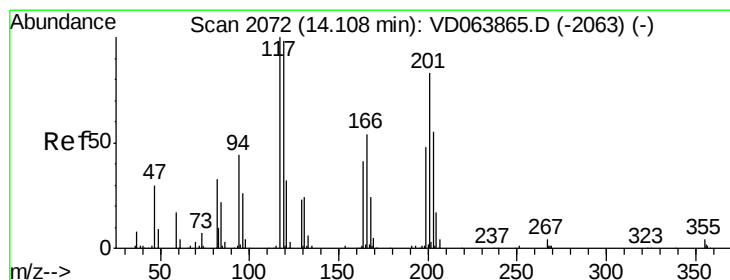
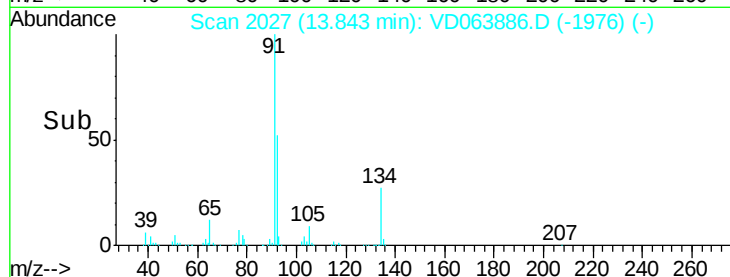
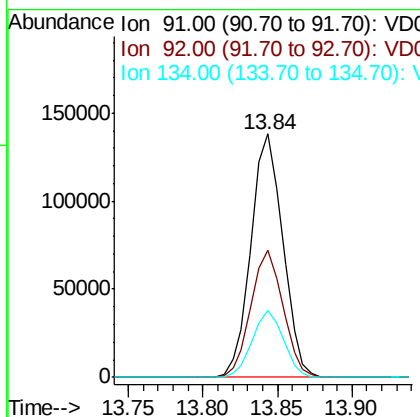
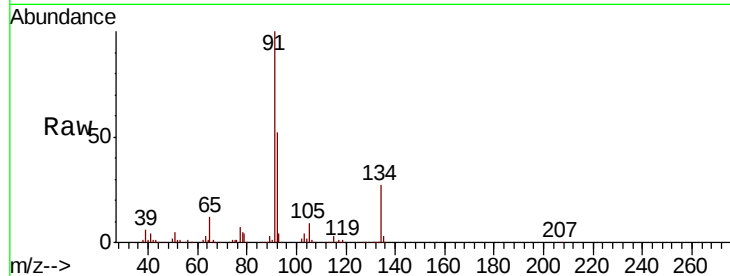
#89
n-Butylbenzene
Concen: 21.051 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	203565		
92	52.9		26.8	80.3
134	27.0		14.4	43.0

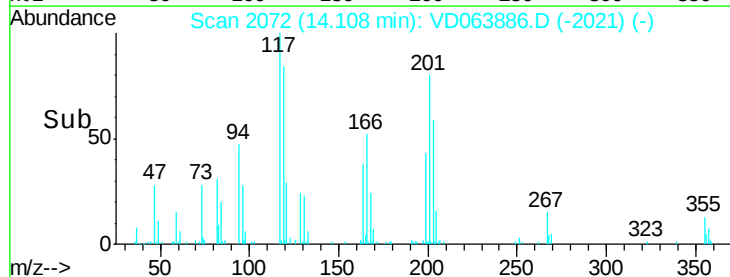
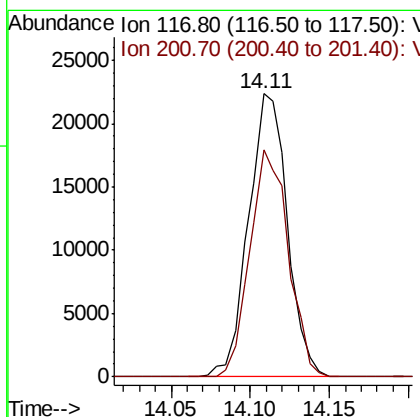
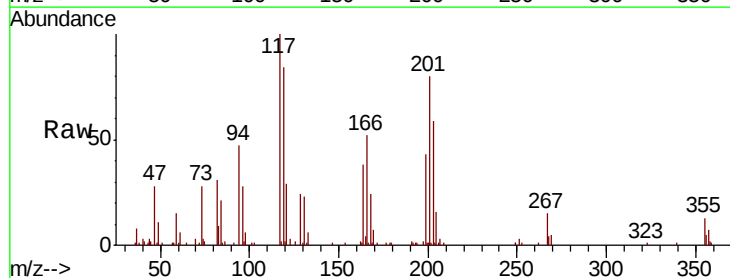
Manual Integrations
APPROVED

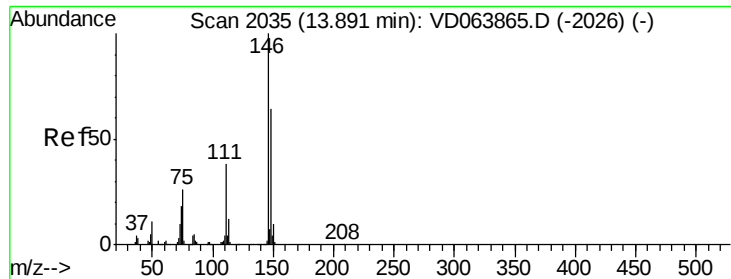
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#90
Hexachloroethane
Concen: 20.395 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38107		
201	79.4		40.6	121.7





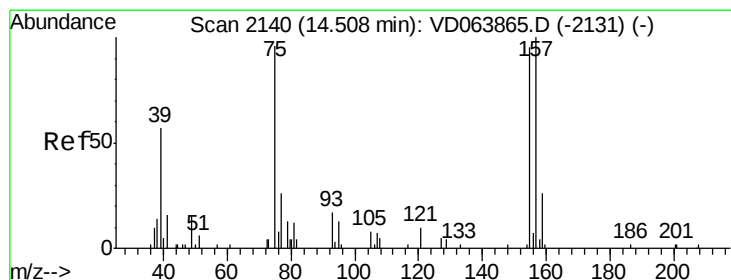
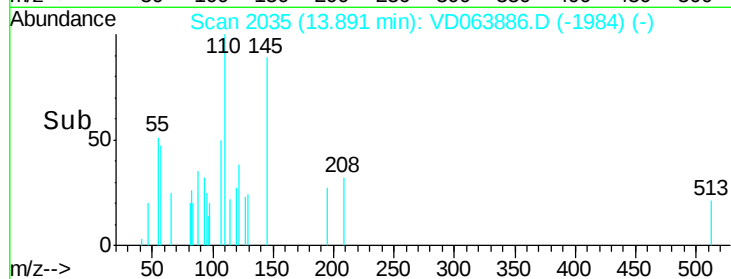
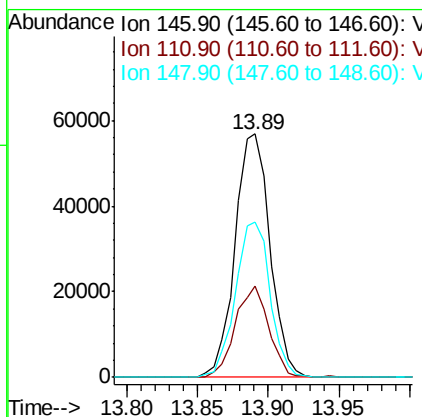
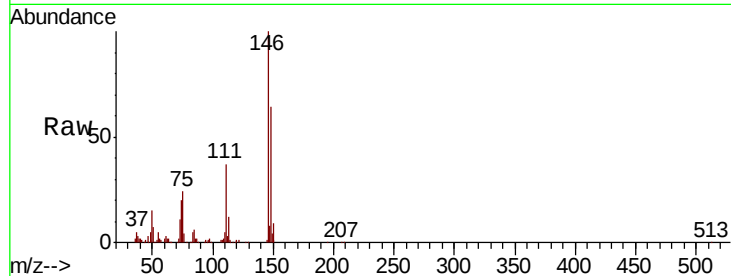
#91
 1,2-Dichlorobenzene
 Concen: 21.149 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.6	55.6
148	63.3	31.6	95.0

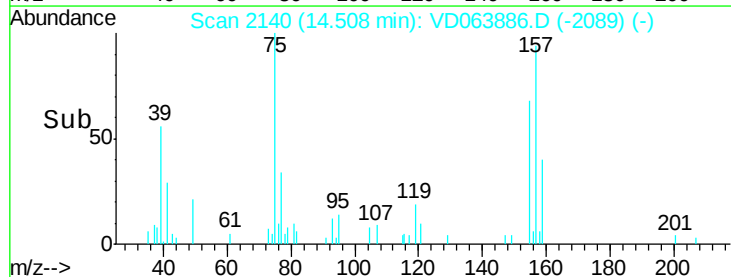
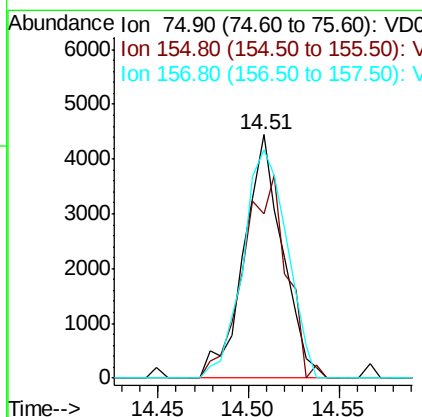
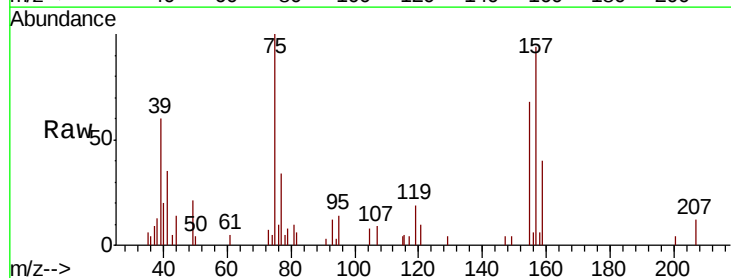
Manual Integrations
 APPROVED

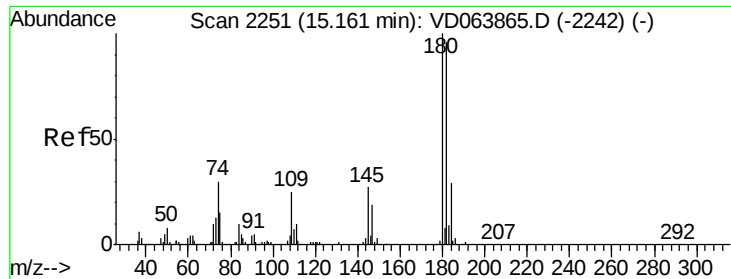
MMDadoda
 10/8/2019 3:11:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.774 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	43.9	131.6
157	107.1	56.0	167.9





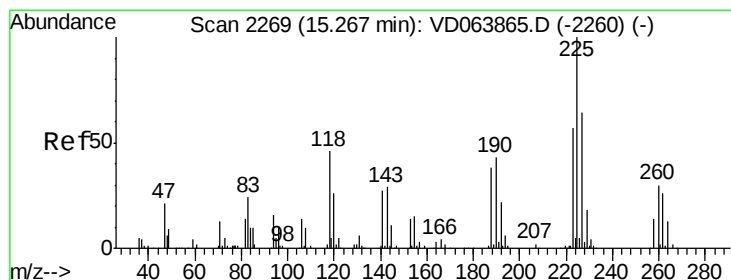
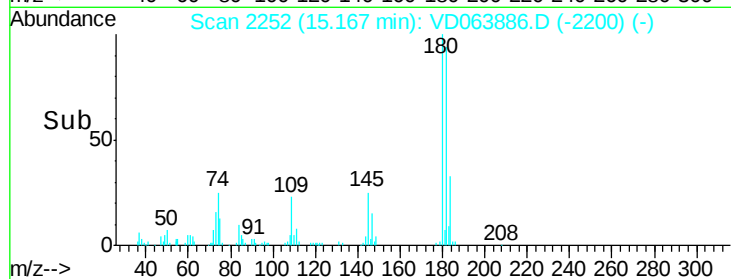
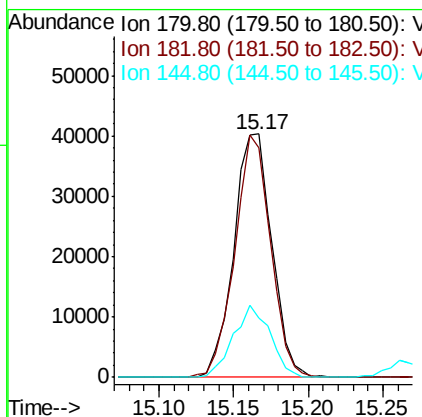
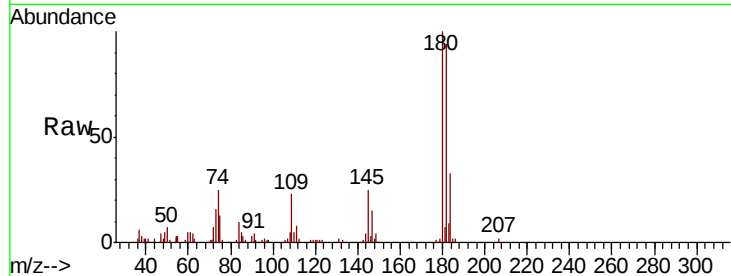
#93
 1,2,4-Trichlorobenzene
 Concen: 19.907 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.3
145	28.8	13.9	41.7

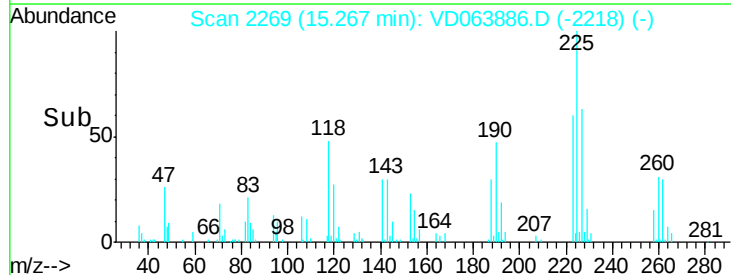
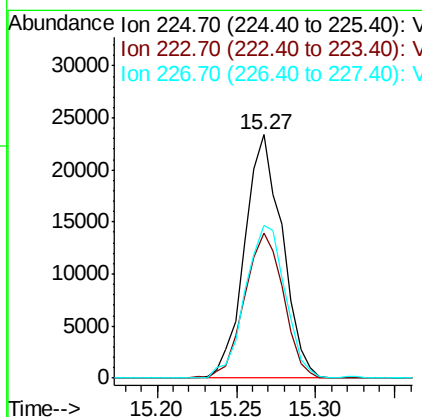
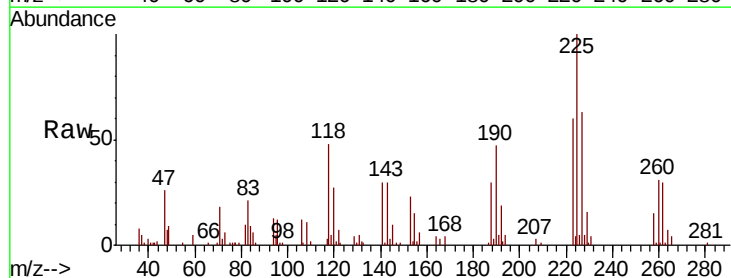
Manual Integrations
 APPROVED

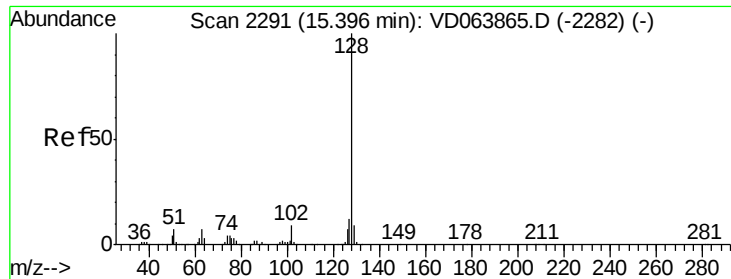
MMDadoda
 10/8/2019 3:11:27 PM



#94
 Hexachlorobutadiene
 Concen: 19.545 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	29.5	88.6
227	66.6	30.8	92.4





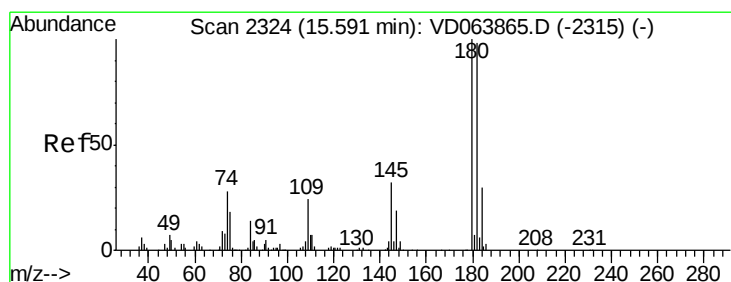
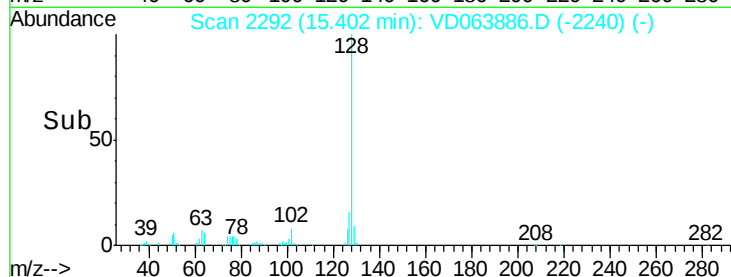
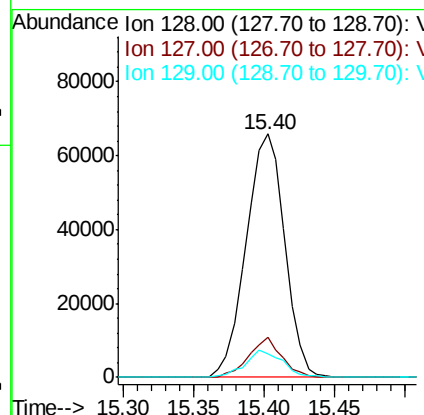
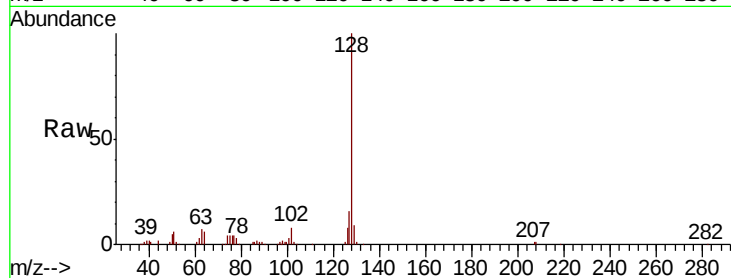
#95
Naphthalene
Concen: 20.921 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/8/2019 3:11:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.284 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.0	141.0
145	29.5	15.3	45.9

