

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064180.D
 Acq On : 11 Nov 2019 16:16
 Operator : VA/SY
 Sample : VD1111SBSD01
 Misc : 5.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:25:49 AM

Quant Time: Nov 12 03:17:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	625435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	907033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	795975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	276751	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
35) Dibromofluoromethane	7.92	113	263274	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	997380	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.64	95	343802	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97395	18.776	ug/l	98
3) Chloromethane	2.21	50	119505	21.479	ug/l	97
4) Vinyl Chloride	2.35	62	123425	20.744	ug/l	99
5) Bromomethane	2.76	94	82054	21.840	ug/l	95
6) Chloroethane	2.92	64	83186	21.880	ug/l	100
7) Trichlorofluoromethane	3.27	101	201703	20.909	ug/l	95
8) Diethyl Ether	3.71	74	53665	20.233	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	105150	19.071	ug/l	98
10) Methyl Iodide	4.29	142	100584	17.363	ug/l	97
11) Tert butyl alcohol	5.26	59	42266	117.643	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	102370	19.479	ug/l	94
13) Acrolein	3.92	56	29109	95.773	ug/l	98
14) Allyl chloride	4.70	41	188110	20.244	ug/l	99
15) Acrylonitrile	5.43	53	121849	107.759	ug/l	99
16) Acetone	4.17	43	113376	93.040	ug/l	94
17) Carbon Disulfide	4.40	76	327694	20.022	ug/l	99
18) Methyl Acetate	4.73	43	73495	21.594	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	261385	20.834	ug/l	96
20) Methylene Chloride	4.96	84	122998	19.982	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	118820	19.956	ug/l	97
22) Diisopropyl ether	6.37	45	348218	20.198	ug/l	97
23) Vinyl Acetate	6.31	43	1013079	105.416	ug/l	99
24) 1,1-Dichloroethane	6.26	63	204724	20.451	ug/l	97
25) 2-Butanone	7.22	43	164646	104.581	ug/l	95
26) 2,2-Dichloropropane	7.21	77	194771	19.840	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131290	20.562	ug/l	97
28) Bromochloromethane	7.55	49	59776	17.152	ug/l	97
29) Tetrahydrofuran	7.57	42	104226	110.188	ug/l	99
30) Chloroform	7.71	83	214951	20.992	ug/l	93
31) Cyclohexane	7.98	56	188924	18.713	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	193404	19.726	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157241	18.784	ug/l	97
37) Ethyl Acetate	7.30	43	76275	21.613	ug/l	99
38) Carbon Tetrachloride	8.10	117	171625	19.160	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	194409	18.353	ug/l	94
40) Benzene	8.35	78	445354	19.466	ug/l	98
41) Methacrylonitrile	7.53	41	46555	20.989	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	138321	20.130	ug/l	98
43) Isopropyl Acetate	8.46	43	153047	21.048	ug/l	99
44) Trichloroethene	9.11	130	132759	19.334	ug/l	98
45) 1,2-Dichloropropane	9.39	63	109437	19.653	ug/l	96
46) Dibromomethane	9.48	93	60577	20.320	ug/l	98
47) Bromodichloromethane	9.67	83	161884	20.160	ug/l	99
48) Methyl methacrylate	9.46	41	70176	19.737	ug/l	94
49) 1,4-Dioxane	9.47	88	15693	438.307	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	373011	106.974	ug/l	99
52) Toluene	10.41	92	290257	19.294	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	161780	20.110	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	186613	19.878	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	82342	20.361	ug/l	97
56) Ethyl methacrylate	10.67	69	114646	20.265	ug/l	98
57) 1,3-Dichloropropane	10.95	76	145304	20.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	248233	108.322	ug/l	100
59) 2-Hexanone	10.99	43	264435	106.595	ug/l	100
60) Dibromochloromethane	11.14	129	112342	19.908	ug/l	99
61) 1,2-Dibromoethane	11.25	107	83350	20.577	ug/l	98
64) Tetrachloroethene	10.88	164	116730	19.068	ug/l	97
65) Chlorobenzene	11.67	112	310642	19.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	116666	18.956	ug/l	97
67) Ethyl Benzene	11.75	91	562992	19.229	ug/l	98
68) m/p-Xylenes	11.86	106	427642	38.106	ug/l	100
69) o-Xylene	12.18	106	198438	19.066	ug/l	98
70) Styrene	12.20	104	345540	19.019	ug/l	99
71) Bromoform	12.37	173	72329	20.650	ug/l #	100
73) Isopropylbenzene	12.48	105	544564	18.860	ug/l	99
74) N-amyl acetate	12.29	43	143669	21.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86556	19.895	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	71176m	22.463	ug/l	
77) Bromobenzene	12.77	156	136146	19.409	ug/l	98
78) n-propylbenzene	12.83	91	625098	18.949	ug/l	100
79) 2-Chlorotoluene	12.91	91	354280	19.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	444796	18.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32426	20.328	ug/l	98
82) 4-Chlorotoluene	13.01	91	374350	19.271	ug/l	98
83) tert-Butylbenzene	13.23	119	390473	18.664	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	438058	18.702	ug/l	99
85) sec-Butylbenzene	13.41	105	527909	18.788	ug/l	100
86) p-Isopropyltoluene	13.52	119	491945	18.416	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	246195	18.907	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	241430	18.997	ug/l	97
89) n-Butylbenzene	13.85	91	452176	18.736	ug/l	100
90) Hexachloroethane	14.11	117	91022	18.437	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	211712	19.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17153	22.051	ug/l	89

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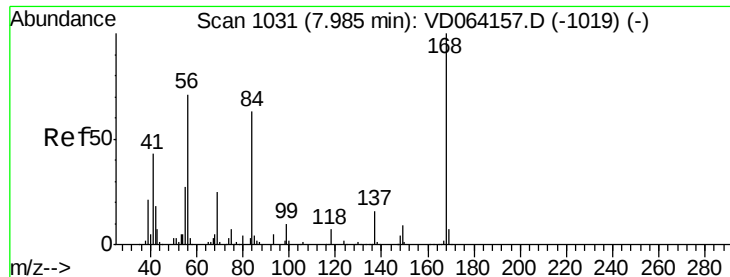
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	159828	18.799	ug/l	96
94) Hexachlorobutadiene	15.27	225	101756	18.530	ug/l	99
95) Naphthalene	15.41	128	280895	20.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	138341	19.142	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBSD01

Tot Ion:168 Resp: 625435

Ion Ratio Lower Upper

168 100

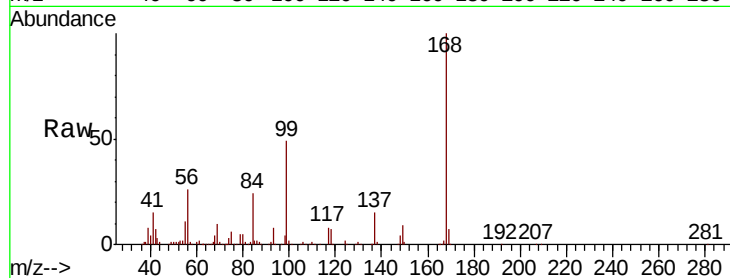
99 48.7 41.6 62.4

Manual Integrations

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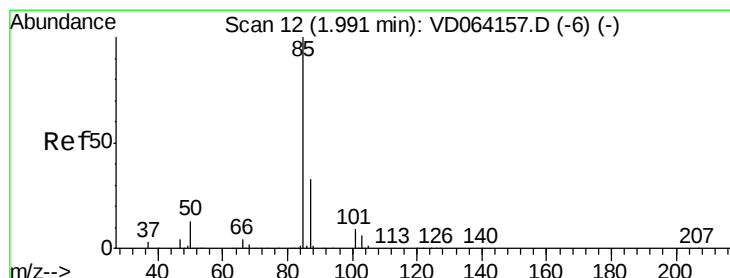
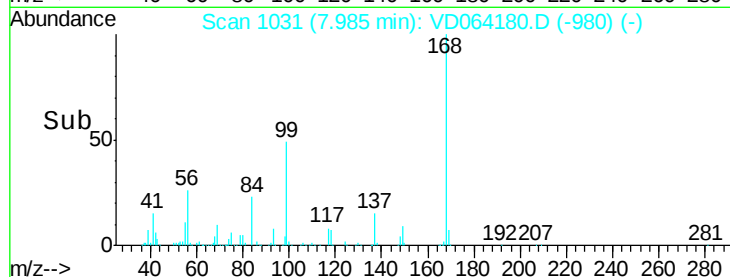
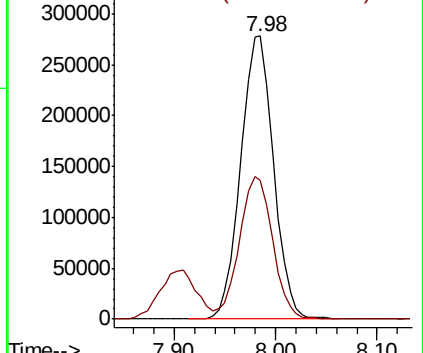
MMDadoda

11/12/2019 10:25:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.776 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064180.D

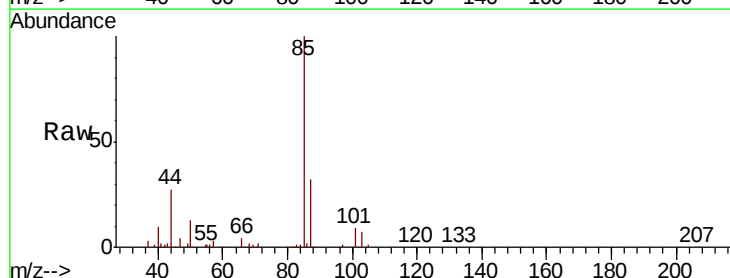
Acq: 11 Nov 2019 16:16

Tgt Ion: 85 Resp: 97395

Ion Ratio Lower Upper

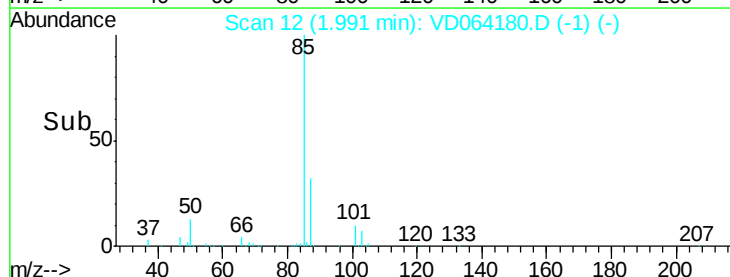
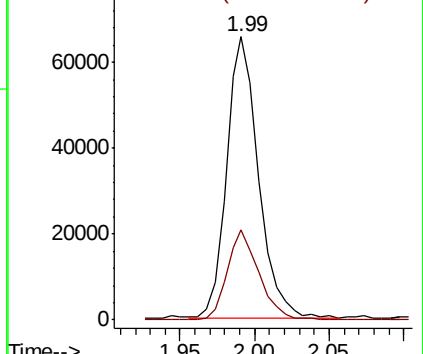
85 100

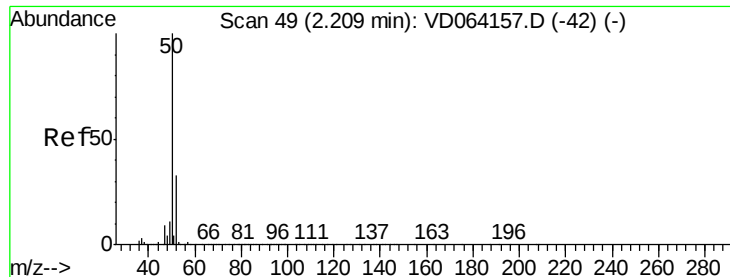
87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.479 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 50 Resp: 119505

Ion Ratio Lower Upper

50 100

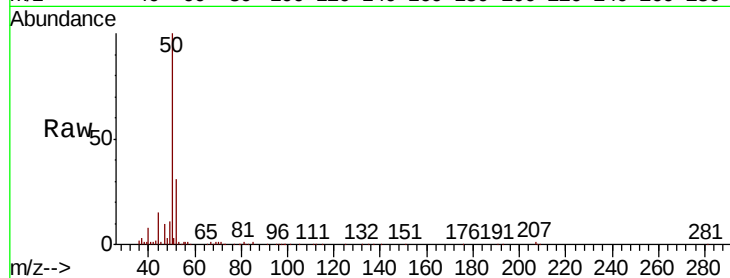
52 31.1 26.2 39.4

Manual Integrations

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11/12/2019 10:25:49 AM



Abundance Ion 49.90 (49.60 to 50.60): VD064180.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VD064180.D (-1) (-)

100000

80000

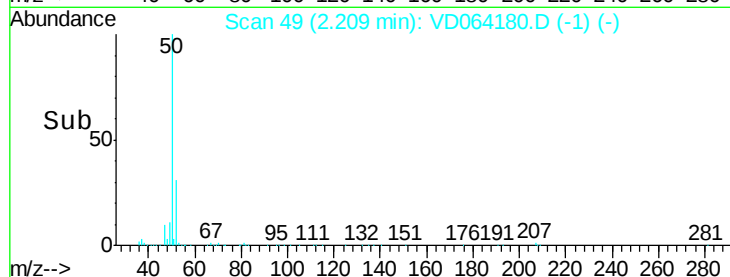
60000

40000

20000

0

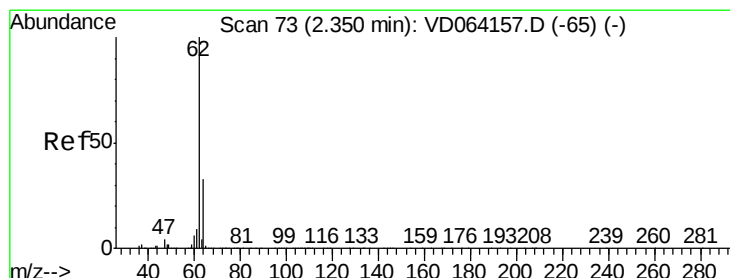
Time-->



2.21

2.25

2.30



#4

Vinyl Chloride

Concen: 20.744 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064180.D

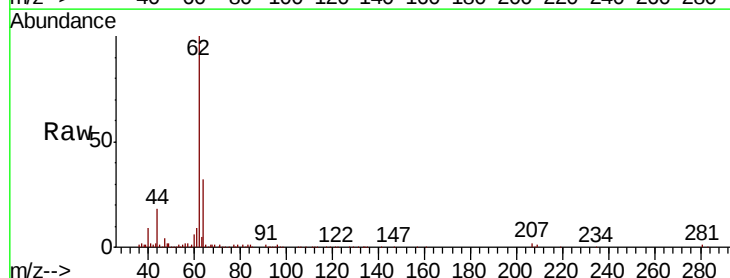
Acq: 11 Nov 2019 16:16

Tgt Ion: 62 Resp: 123425

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VD064180.D (-22) (-)

Ion 63.90 (63.60 to 64.60): VD064180.D (-22) (-)

80000

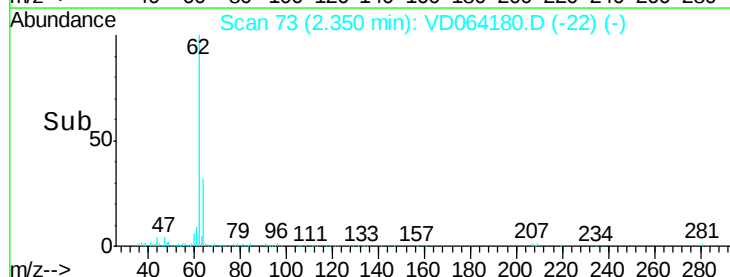
60000

40000

20000

0

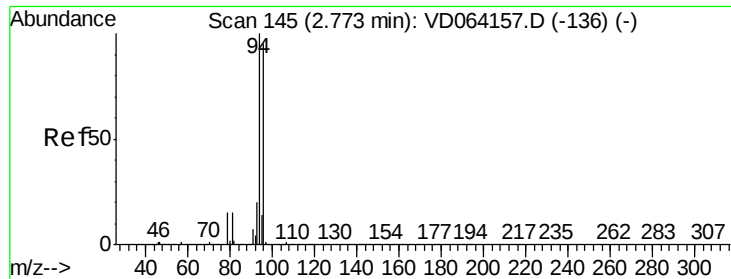
Time-->



2.35

2.40

2.45



#5

Bromomethane

Concen: 21.840 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 94 Resp: 82054

Ion Ratio Lower Upper

94 100

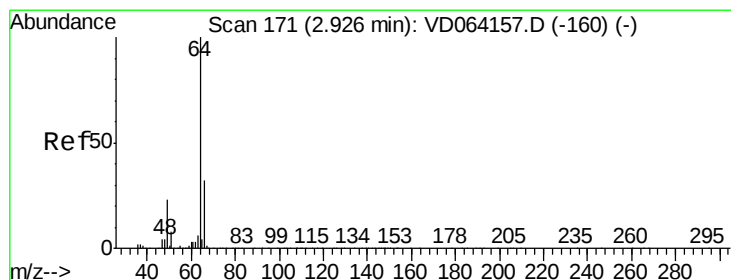
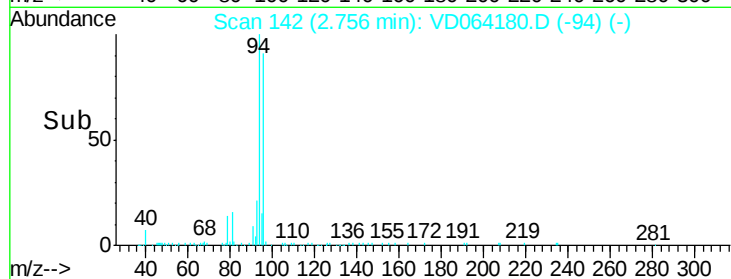
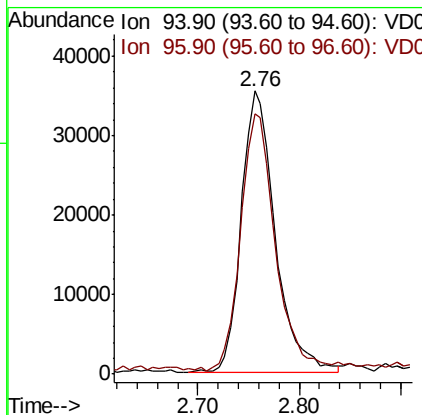
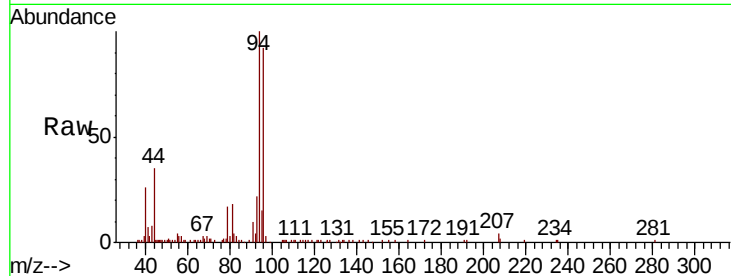
96 90.6 76.2 114.4

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11/12/2019 10:25:49 AM



#6

Chloroethane

Concen: 21.880 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064180.D

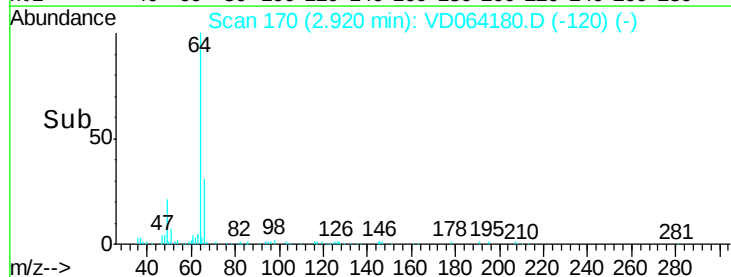
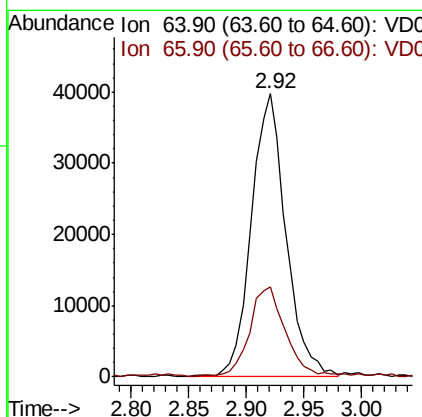
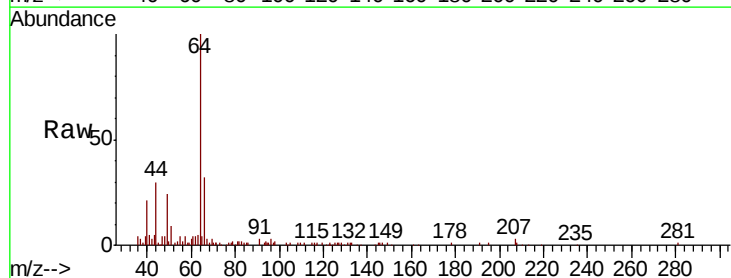
Acq: 11 Nov 2019 16:16

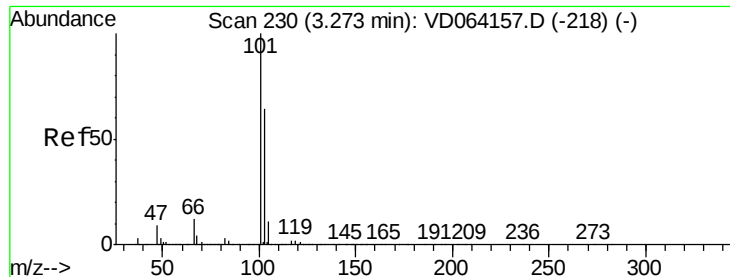
Tgt Ion: 64 Resp: 83186

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3





#7

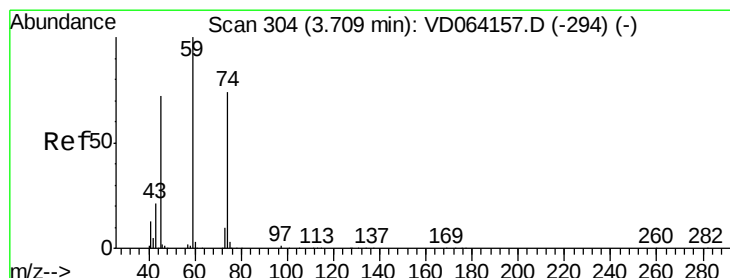
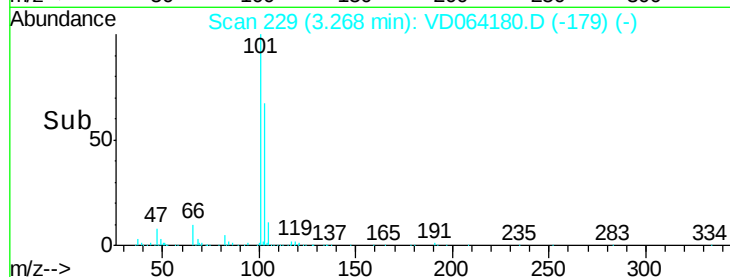
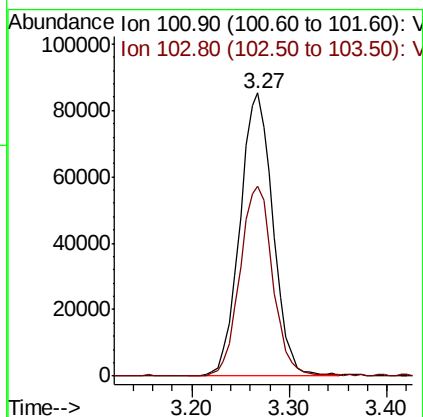
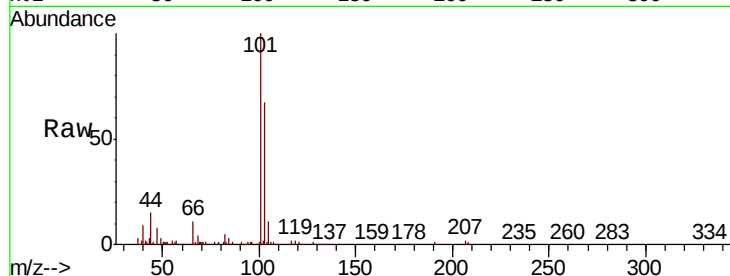
Trichlorofluoromethane
Concen: 20.909 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

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VD1111SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	50.8	76.2

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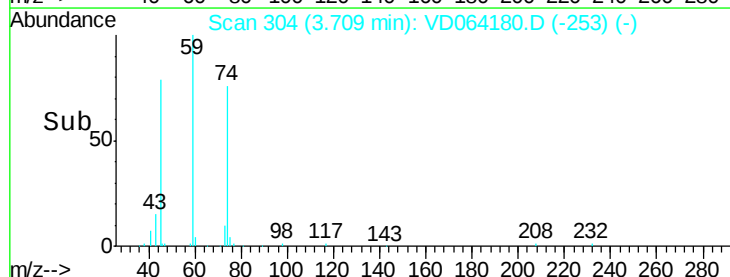
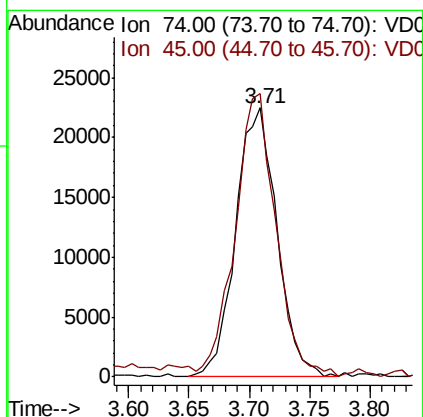
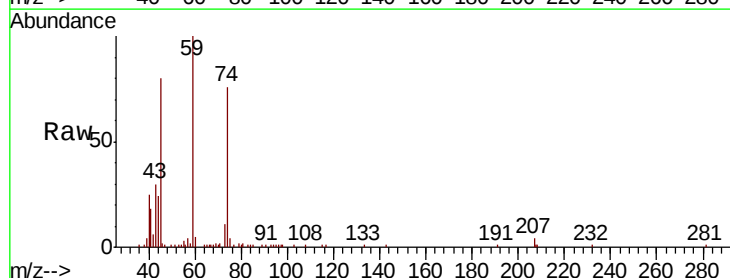
MMDadoda
11/12/2019 10:25:49 AM



#8

Diethyl Ether
Concen: 20.233 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.071 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

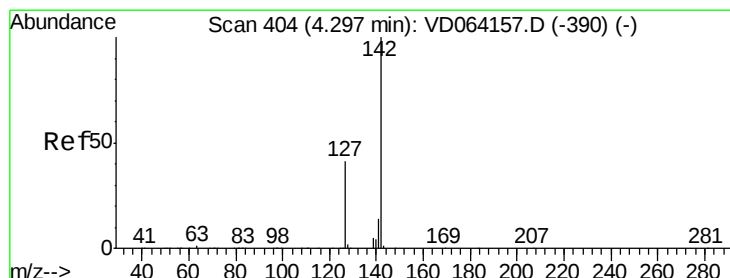
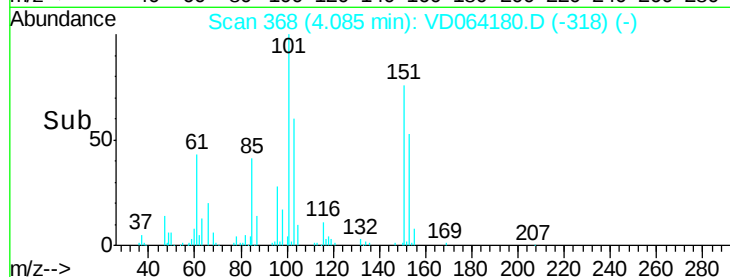
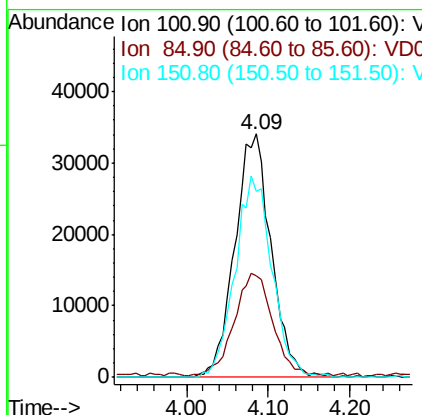
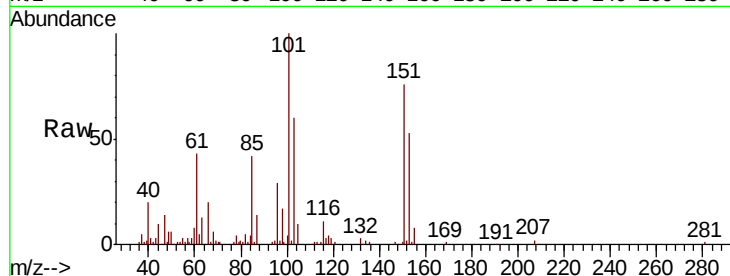
ClientSampleId :

VD1111SBS01

Tot Ion:	101	Resp:	105150
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.4	51.6
151	84.2	68.1	102.1

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#10

Methyl Iodide

Concen: 17.363 ug/l

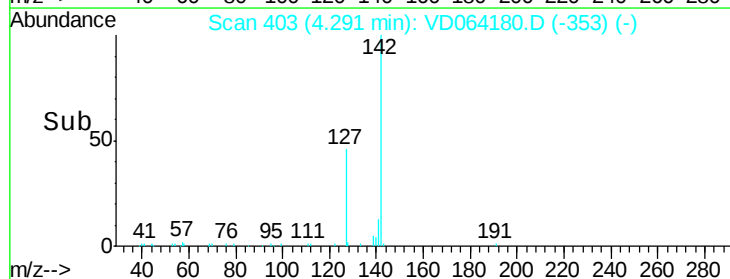
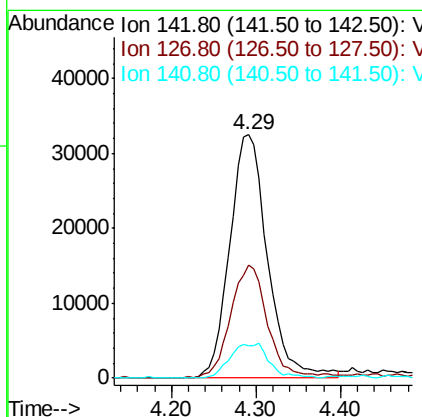
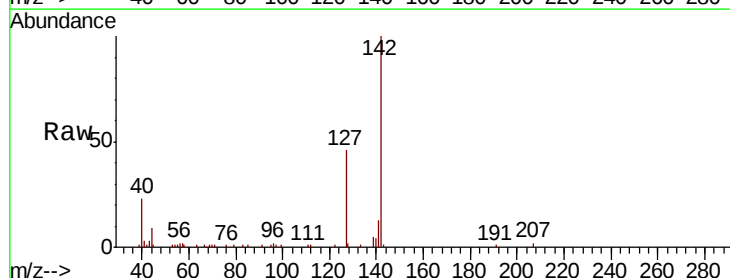
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion:	142	Resp:	100584
Ion Ratio	Lower	Upper	
142	100		
127	44.8	34.4	51.6
141	14.6	11.2	16.8





#11

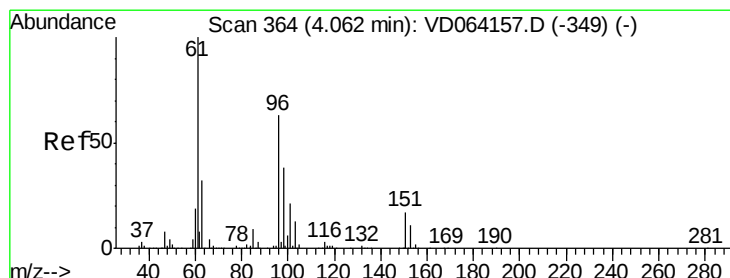
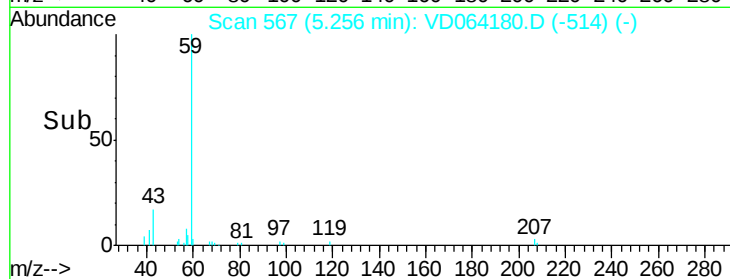
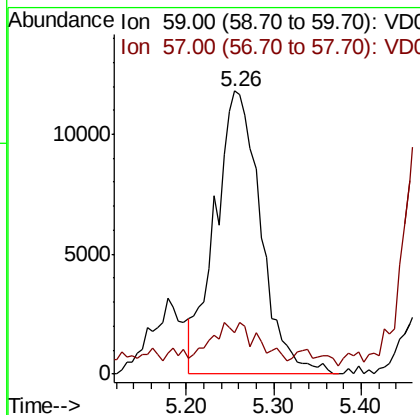
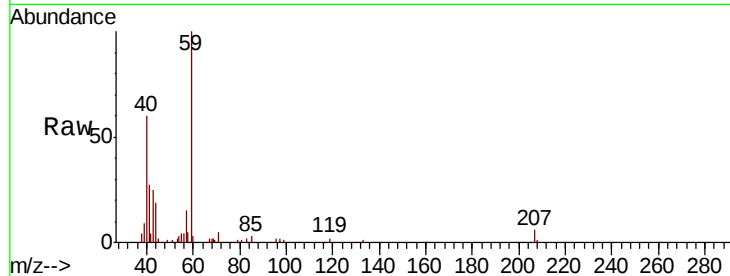
Tert butyl alcohol
Concen: 117.643 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	9.4	14.2#

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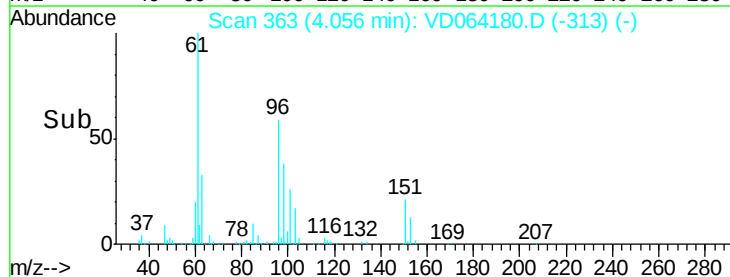
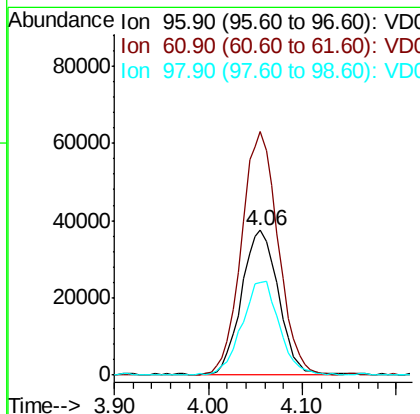
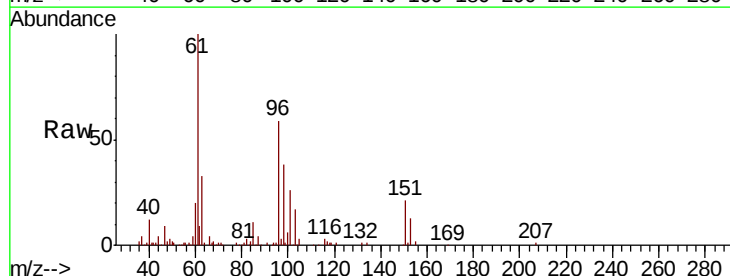
MMDadoda
11/12/2019 10:25:49 AM

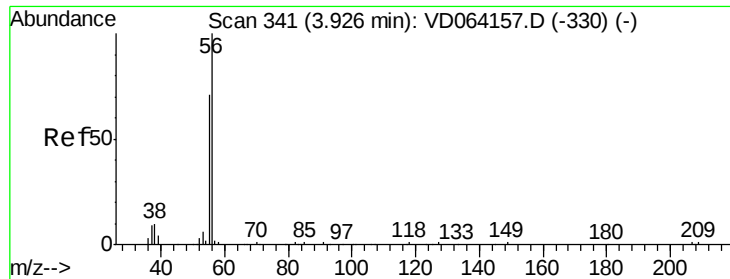


#12

1,1-Dichloroethene
Concen: 19.479 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.4	127.4	191.2
98	63.6	48.1	72.1





#13

Acrolein

Concen: 95.773 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBSD01

Tot Ion: 56 Resp: 29109

Ion Ratio Lower Upper

56 100

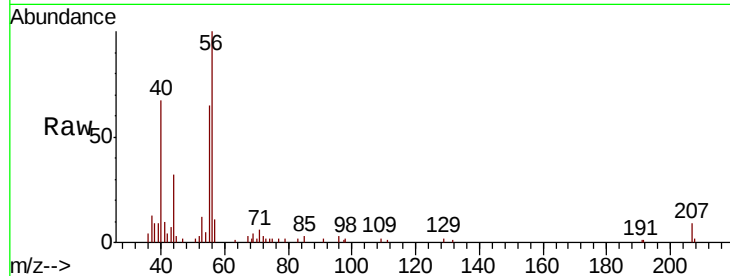
55 71.8 56.1 84.1

Manual Integrations

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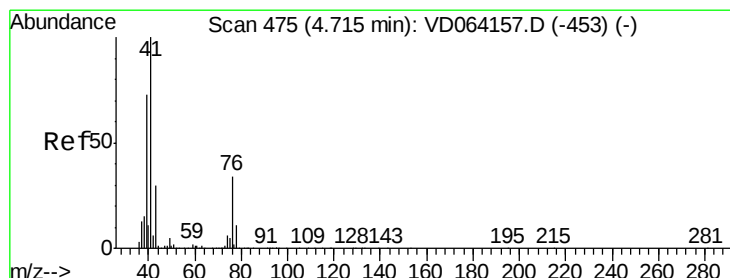
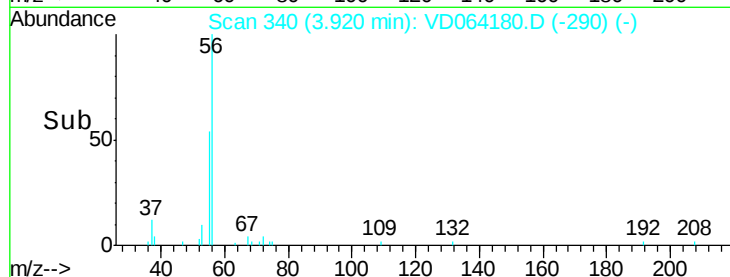
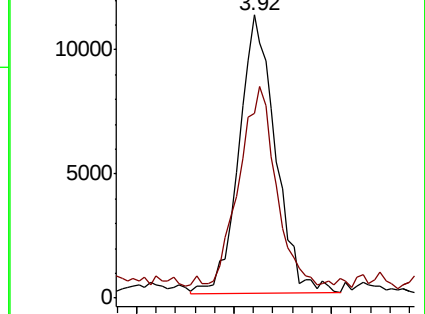
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.244 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

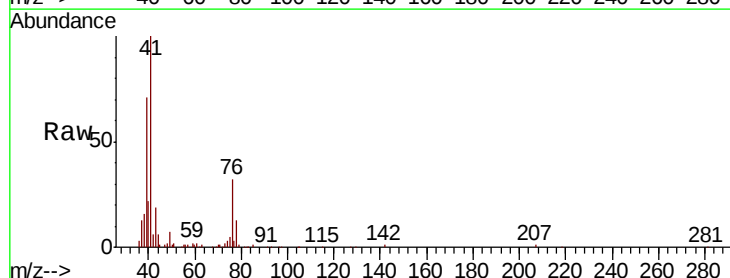
Tgt Ion: 41 Resp: 188110

Ion Ratio Lower Upper

41 100

39 72.4 57.5 86.3

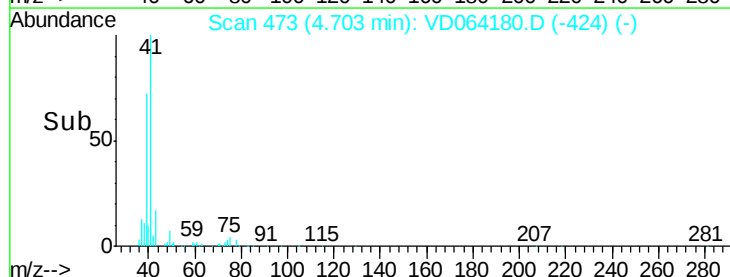
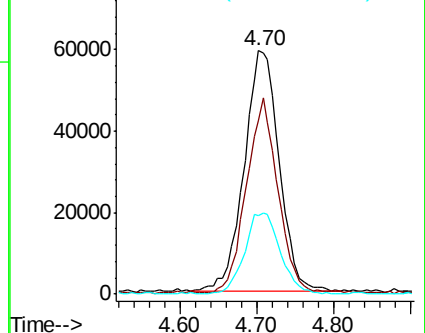
76 34.4 26.8 40.2

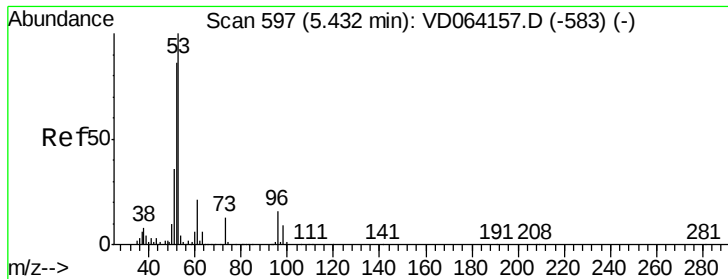


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 107.759 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

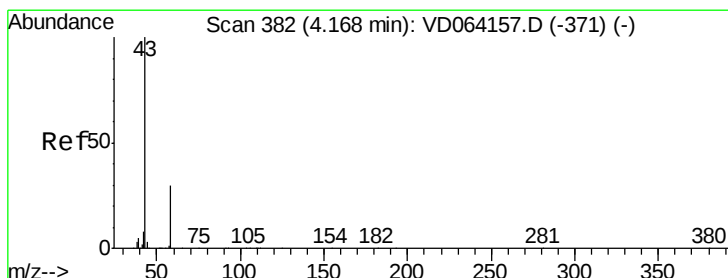
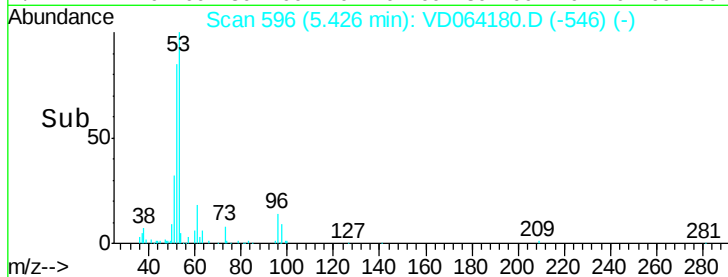
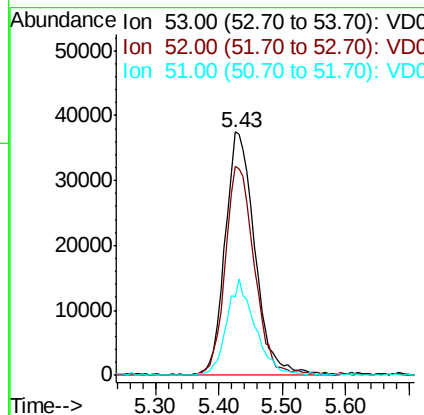
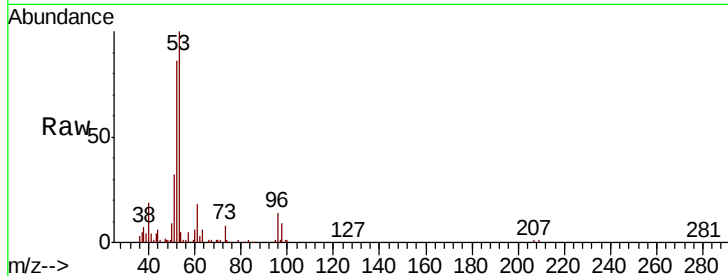
ClientSampleId :

VD1111SBS01

Tot Ion:	53	Resp:	121849
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	37.6	30.6	46.0

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#16

Acetone

Concen: 93.040 ug/l

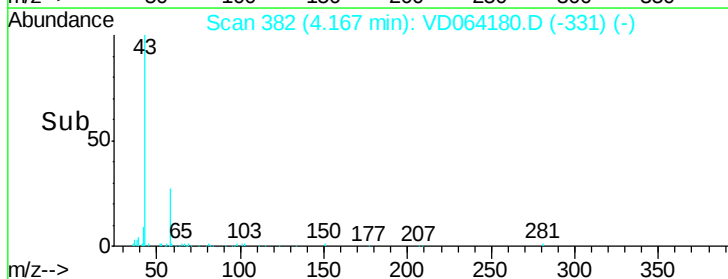
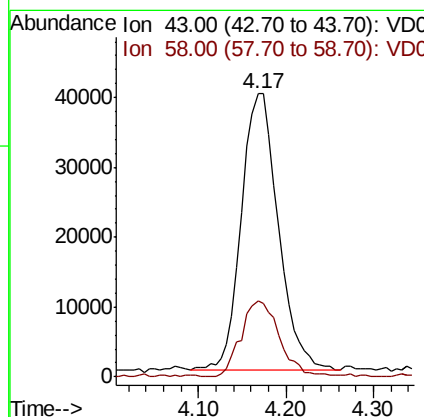
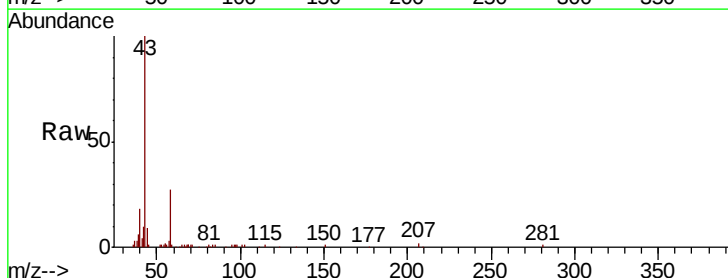
RT: 4.17 min Scan# 382

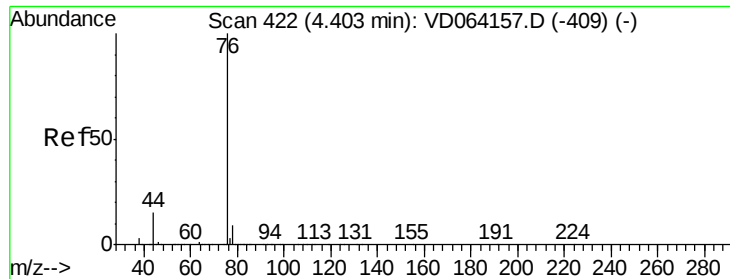
Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion:	43	Resp:	113376
Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.1	36.1





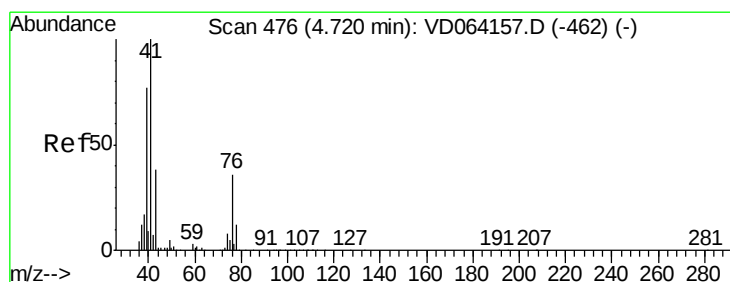
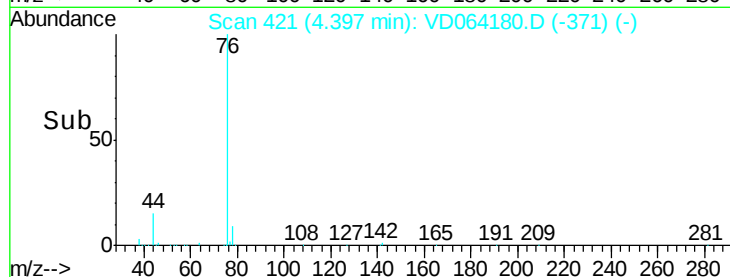
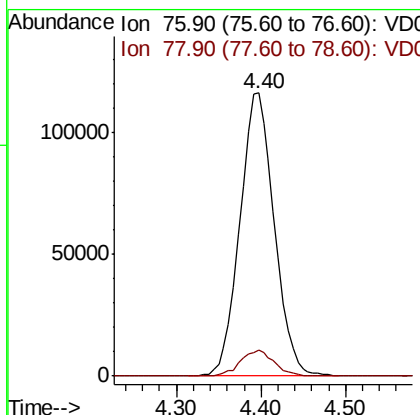
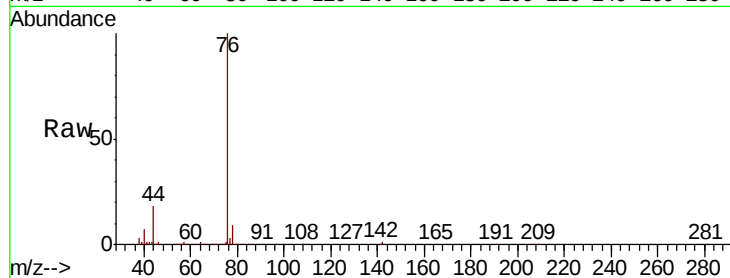
#17
Carbon Disulfide
Concen: 20.022 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

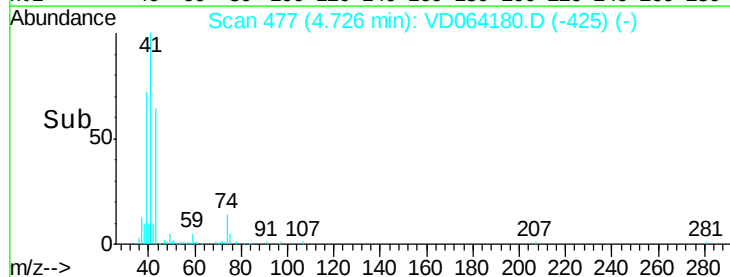
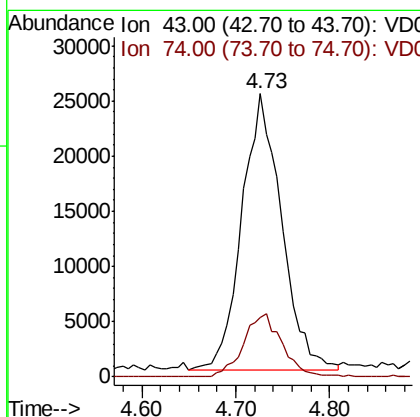
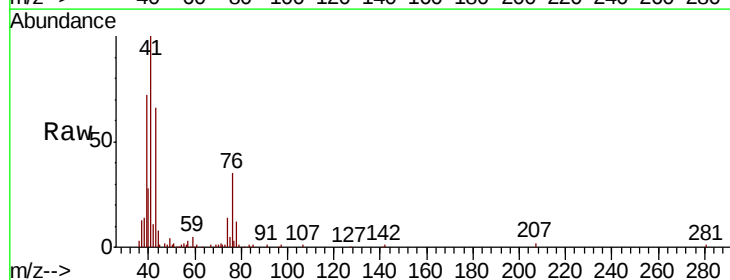
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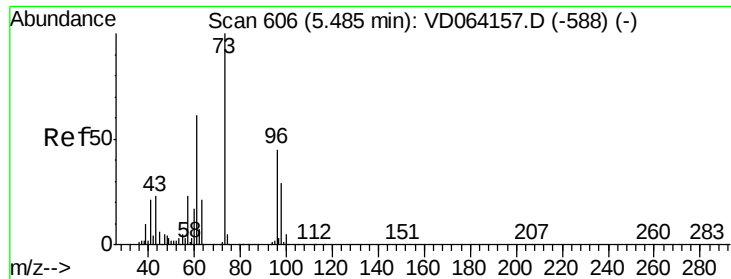
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#18
Methyl Acetate
Concen: 21.594 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.4	27.6





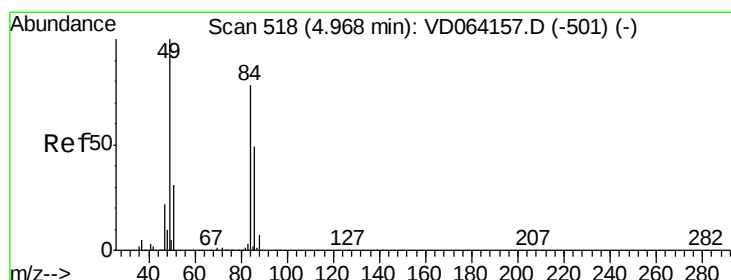
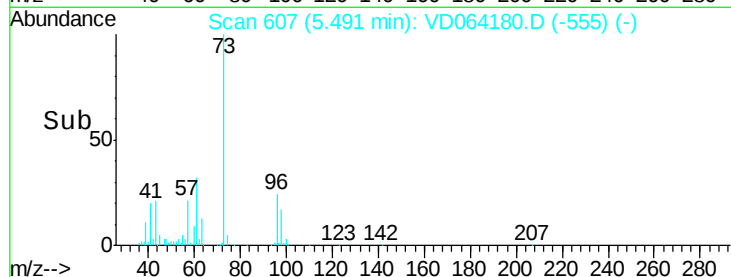
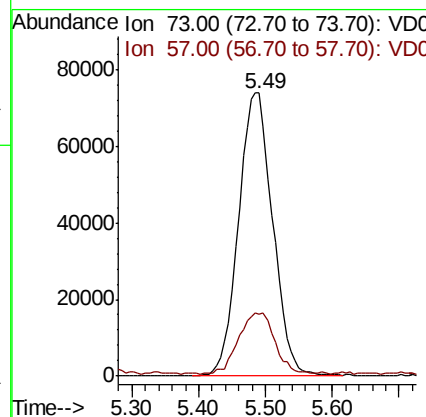
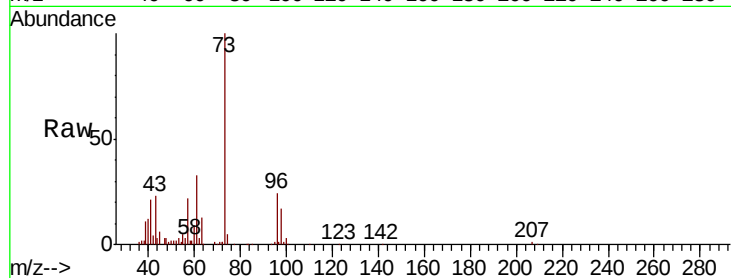
#19
Methvl tert-butvl Ether
Concen: 20.834 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion: 73 Resp: 261385
Ion Ratio Lower Upper
73 100
57 21.0 18.4 27.6

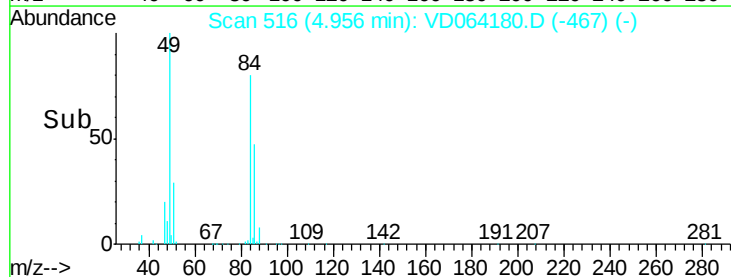
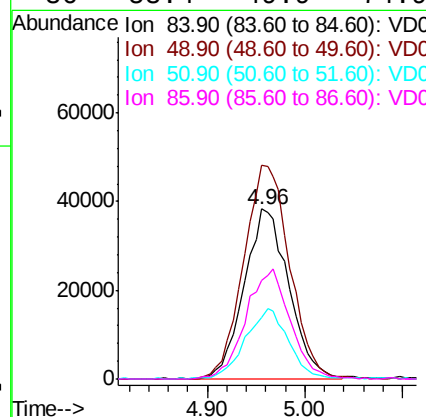
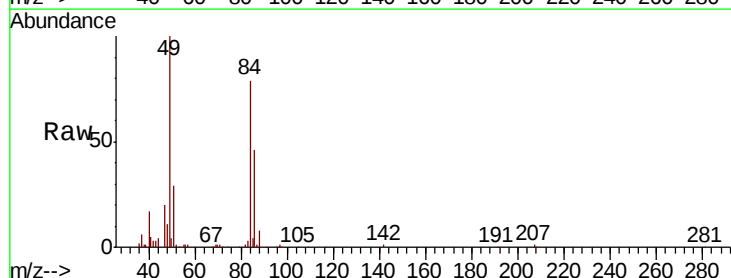
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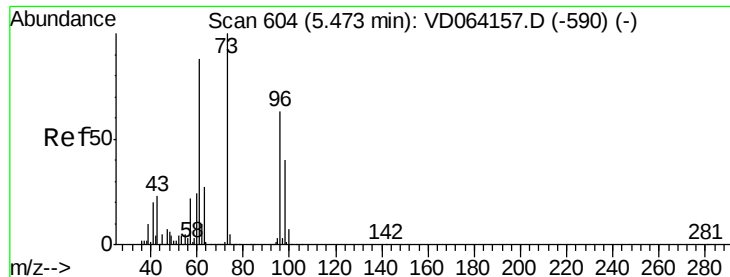
MMDadoda
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#20
Methylene Chloride
Concen: 19.982 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 84 Resp: 122998
Ion Ratio Lower Upper
84 100
49 125.9 102.1 153.1
51 35.4 32.2 48.2
86 58.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.956 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

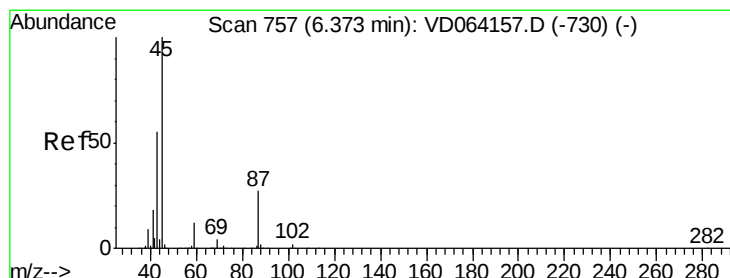
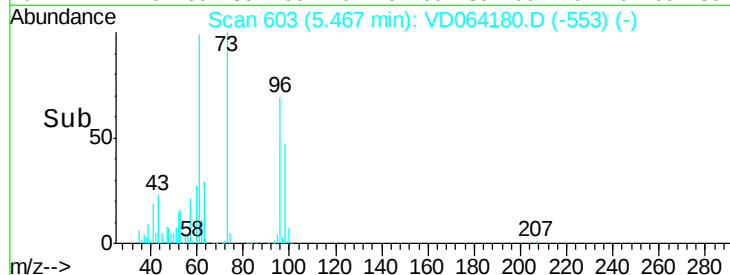
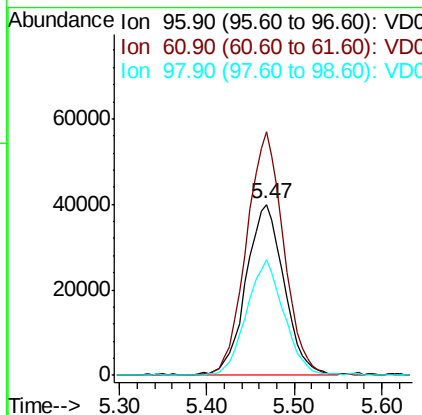
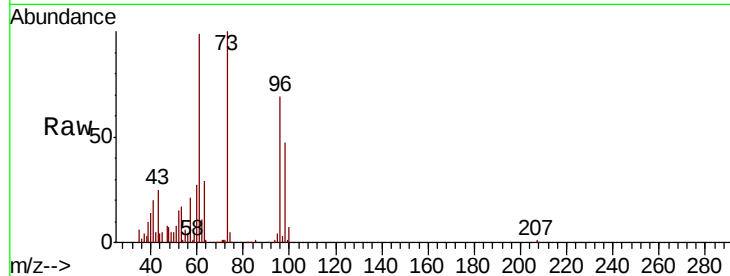
ClientSampleId :

VD1111SBS01

Tot Ion:	96	Resp:	118820
Ion Ratio	Lower	Upper	
96	100		
61	142.3	111.8	167.6
98	66.8	50.3	75.5

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#22

Diisopropyl ether

Concen: 20.198 ug/l

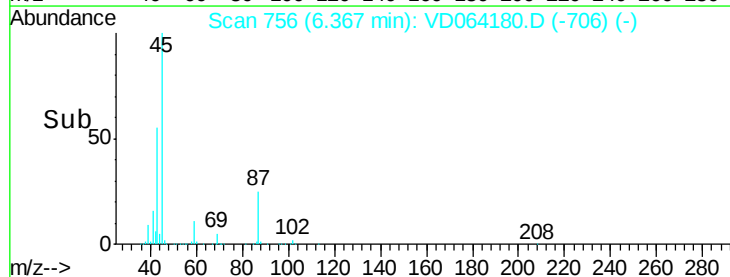
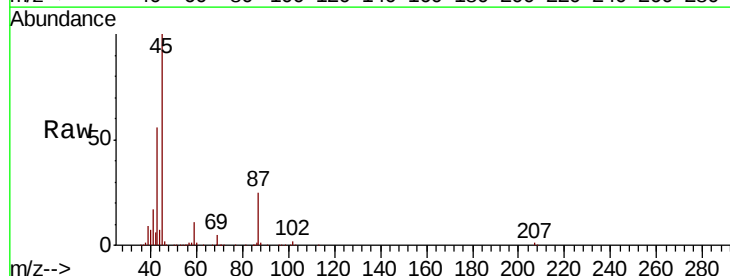
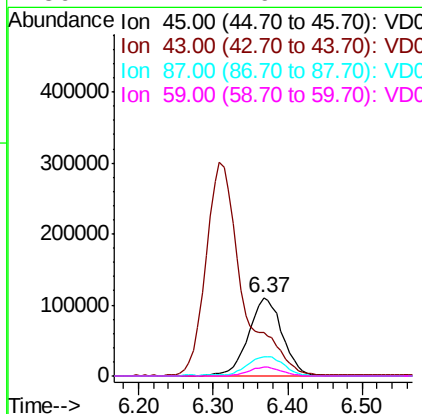
RT: 6.37 min Scan# 756

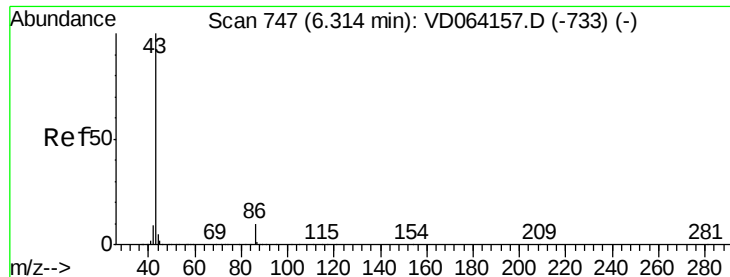
Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion:	45	Resp:	348218
Ion Ratio	Lower	Upper	
45	100		
43	54.2	44.4	66.6
87	25.0	21.9	32.9
59	11.2	9.4	14.2





#23

Vinyl Acetate

Concen: 105.416 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 43 Resp: 1013079

Ion Ratio Lower Upper

43 100

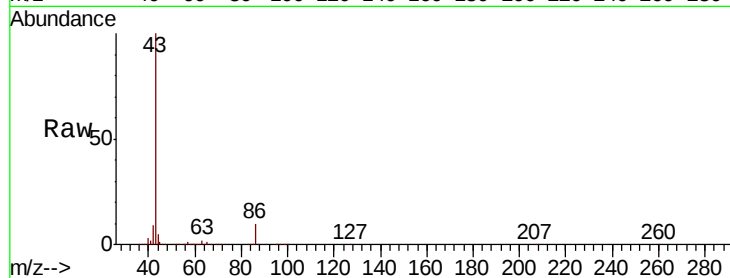
86 9.9 8.2 12.2

Manual Integrations

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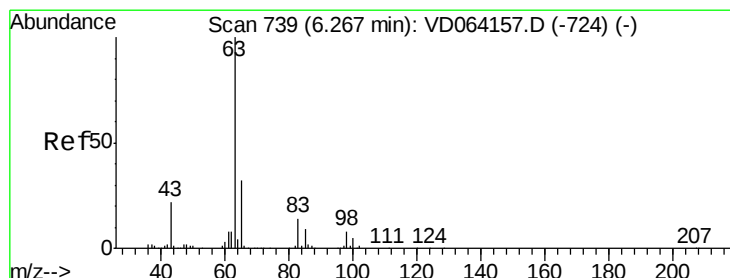
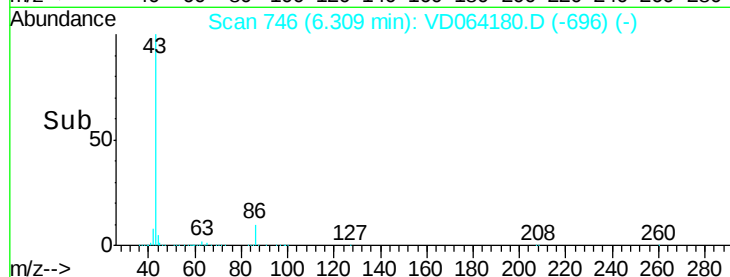
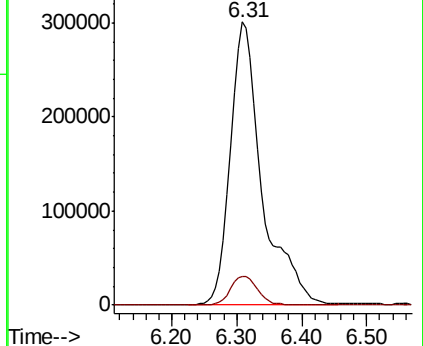
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.451 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

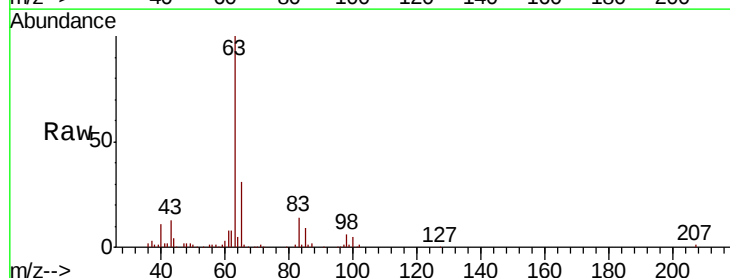
Tgt Ion: 63 Resp: 204724

Ion Ratio Lower Upper

63 100

98 6.1 3.8 11.4

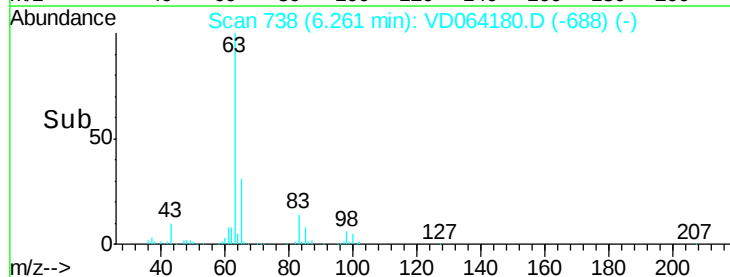
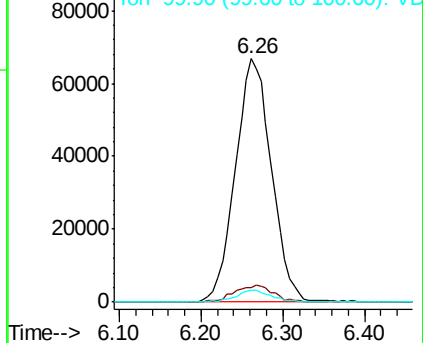
100 4.8 2.4 7.2

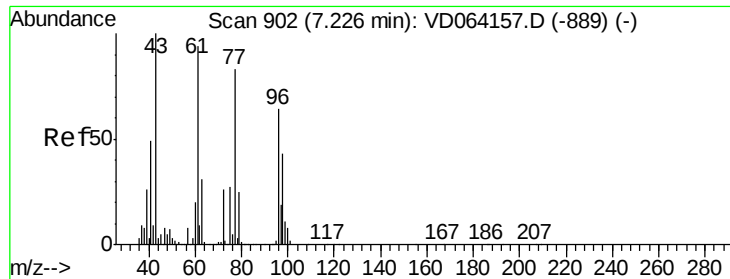


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.581 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 43 Resp: 164646

Ion Ratio Lower Upper

43 100

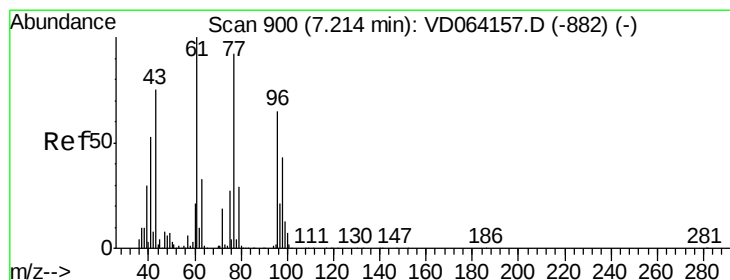
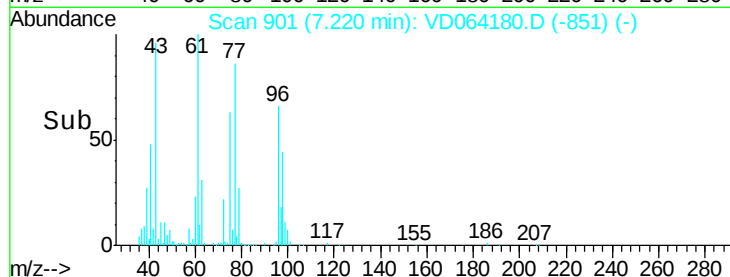
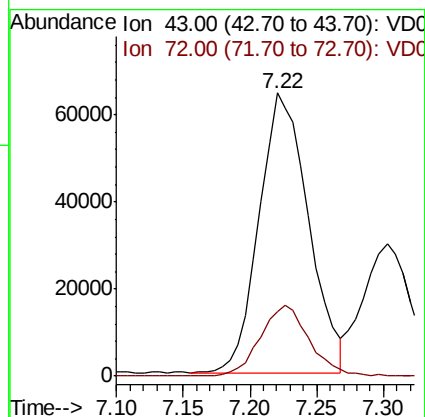
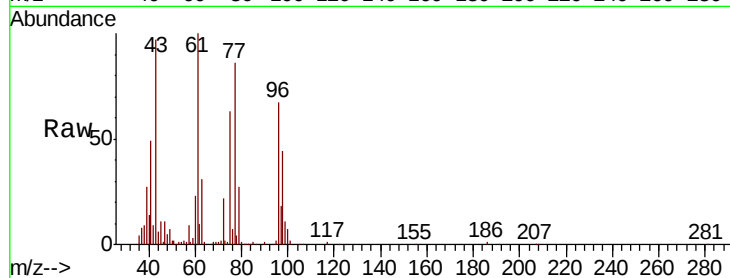
72 23.3 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.840 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064180.D

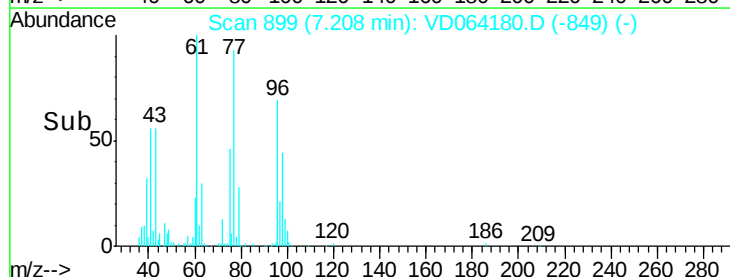
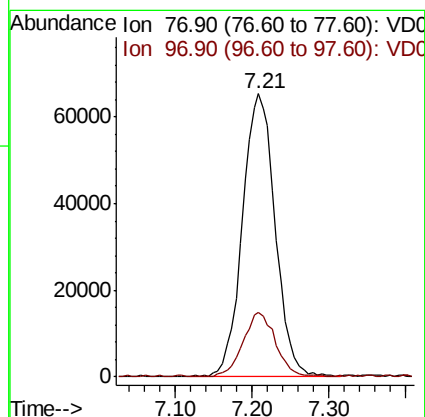
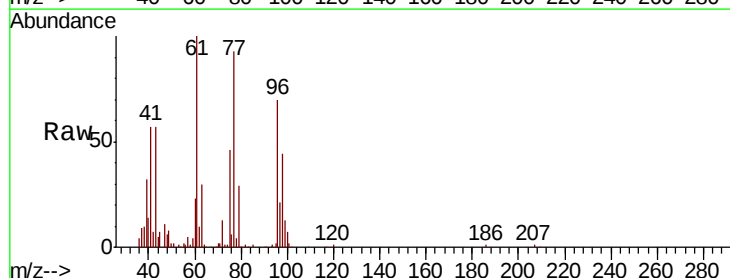
Acq: 11 Nov 2019 16:16

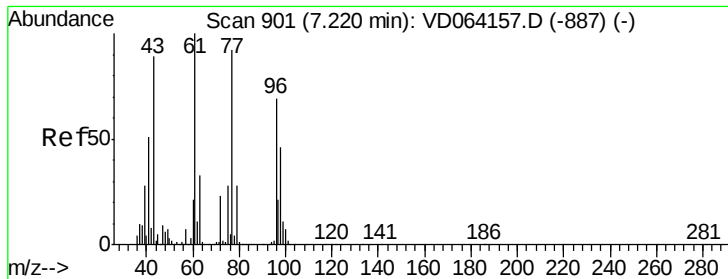
Tgt Ion: 77 Resp: 194771

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

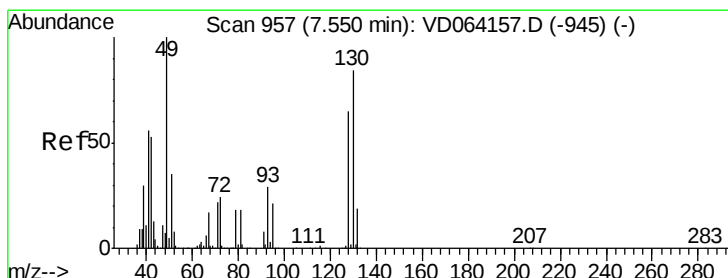
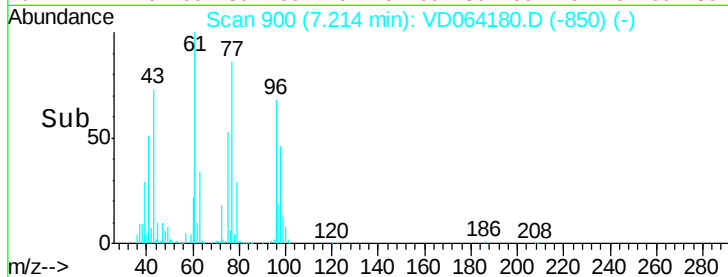
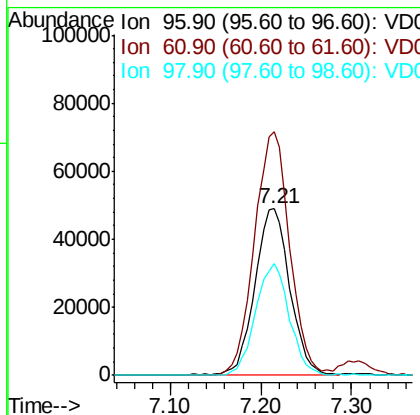
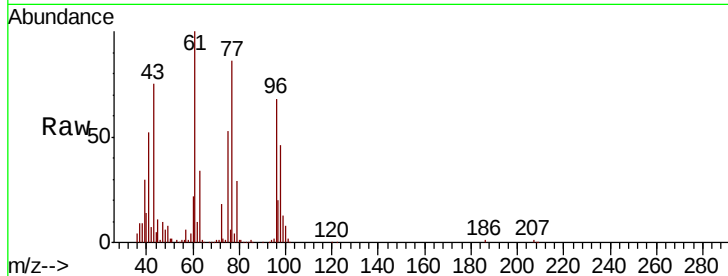
cis-1,2-Dichloroethene
Concen: 20.562 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131290		
61	146.9	0.0	301.4	
98	64.7	0.0	133.2	

Manual Integrations
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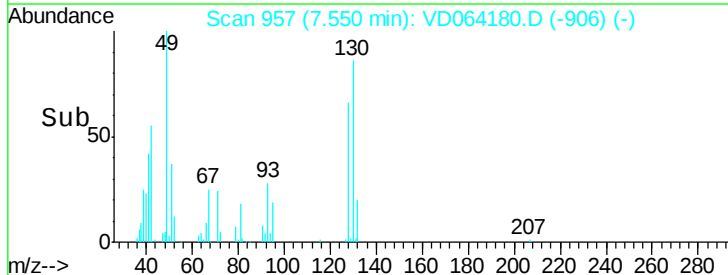
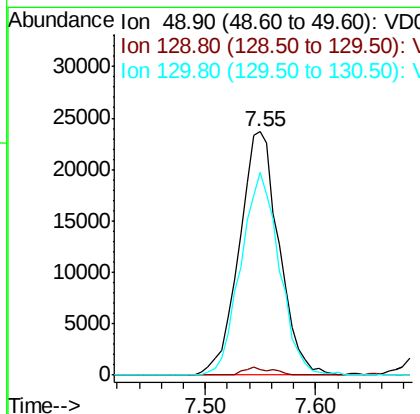
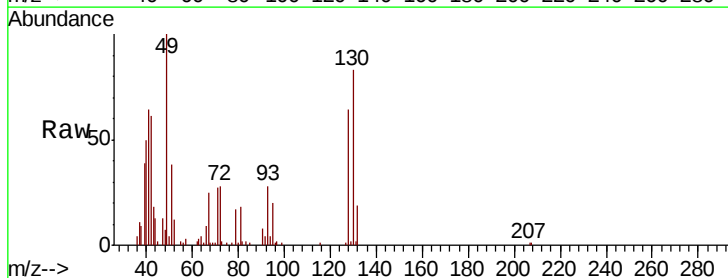
MMDadoda
11/12/2019 10:25:49 AM

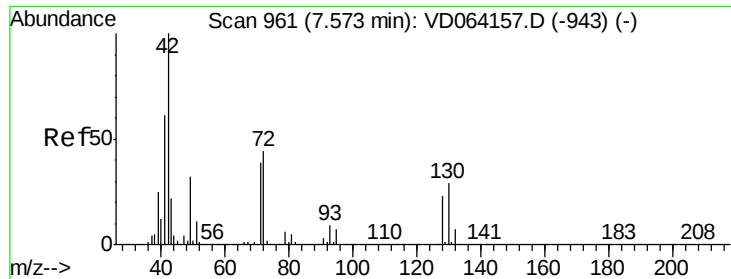


#28

Bromochloromethane
Concen: 17.152 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	59776		
129	2.2	0.0	4.4	
130	80.7	66.8	100.2	





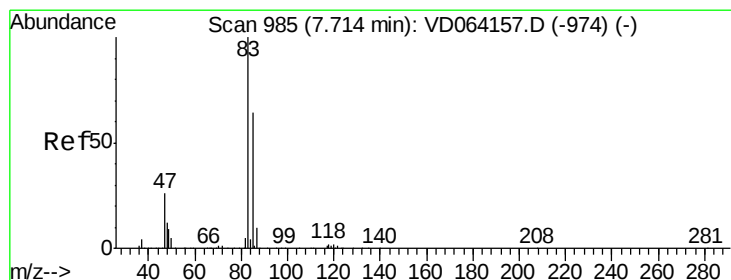
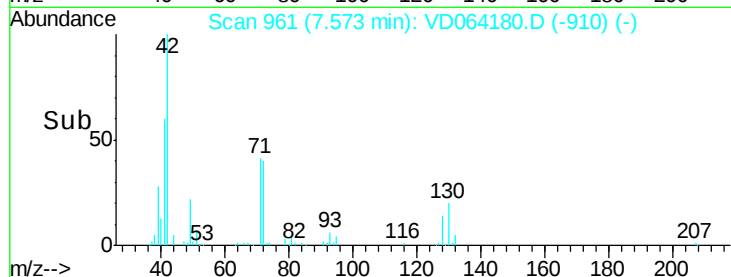
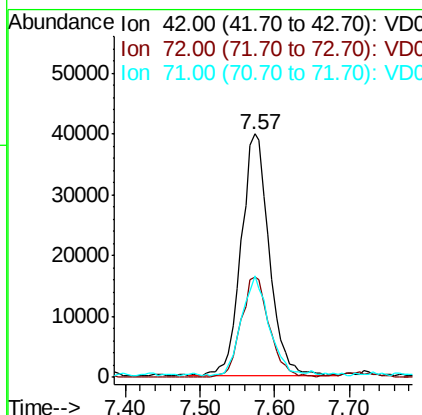
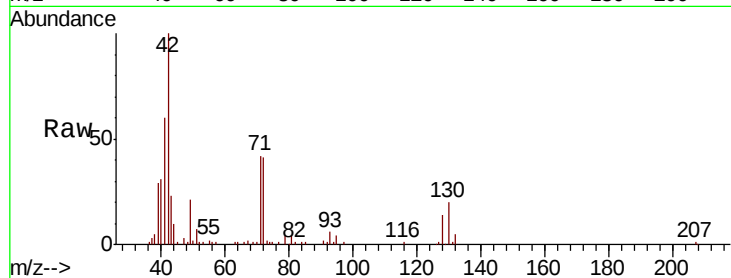
#29
Tetrahydrofuran
Concen: 110.188 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.4	50.2
71	39.7	31.0	46.4

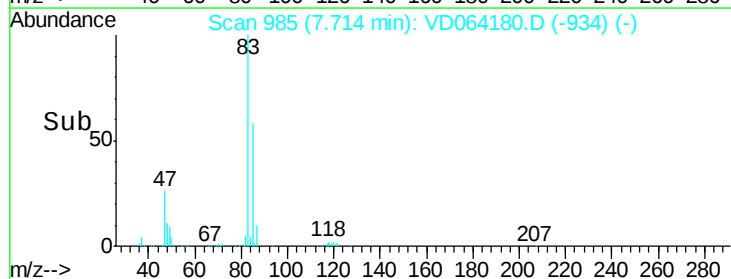
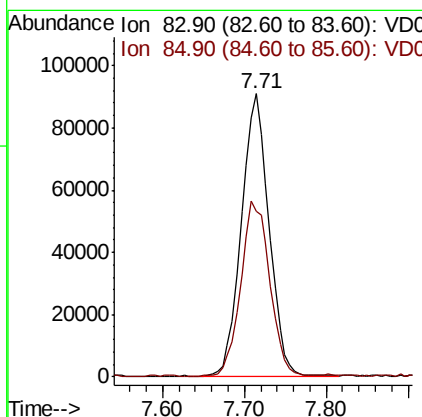
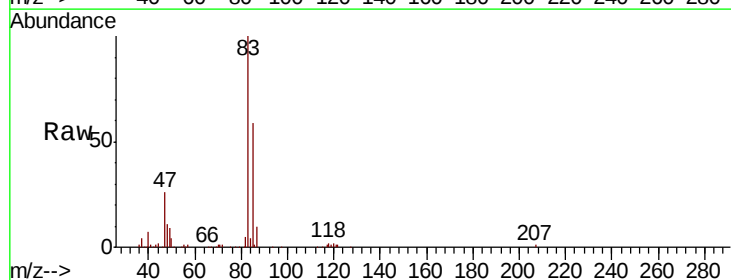
Manual Integrations
APPROVED

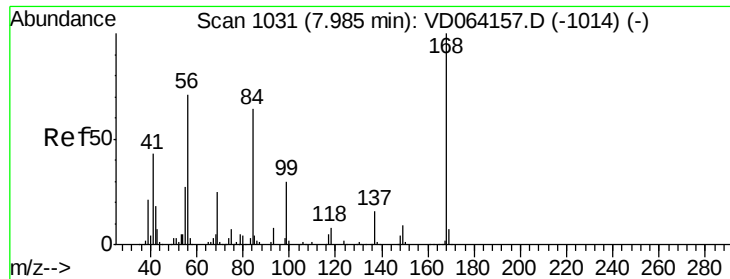
MMDadoda
11/12/2019 10:25:49 AM



#30
Chloroform
Concen: 20.992 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.4	77.0





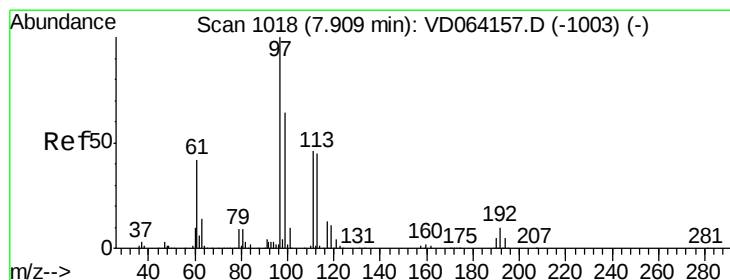
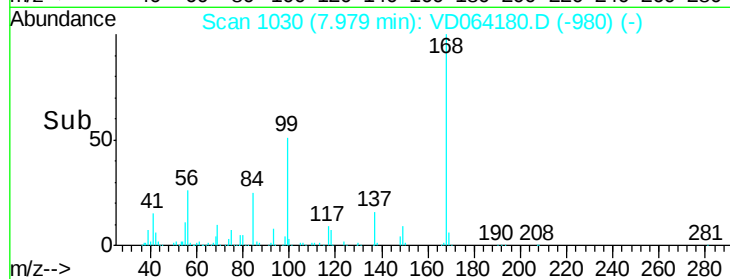
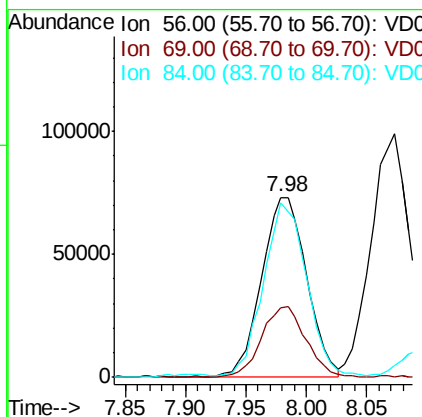
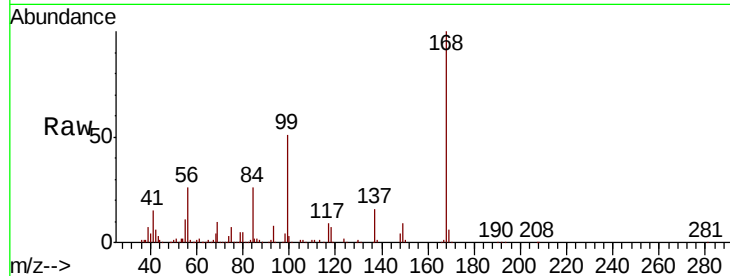
#31
Cyclohexane
Concen: 18.713 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	28.2	42.4
84	95.3	71.8	107.6

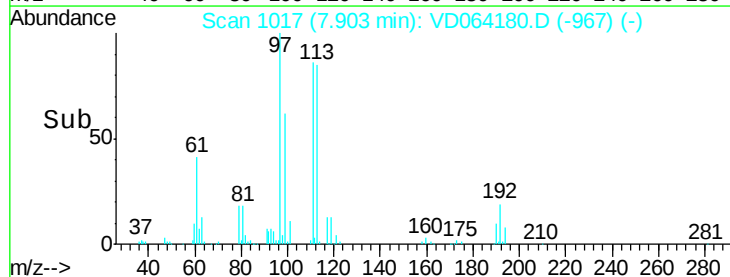
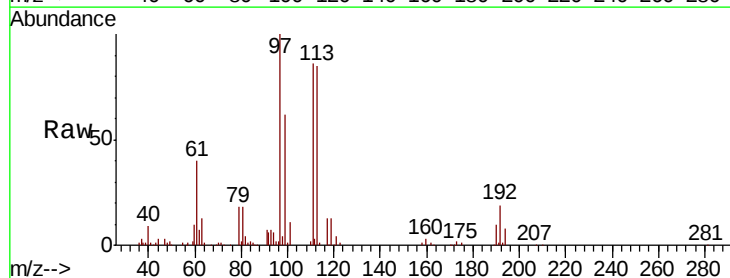
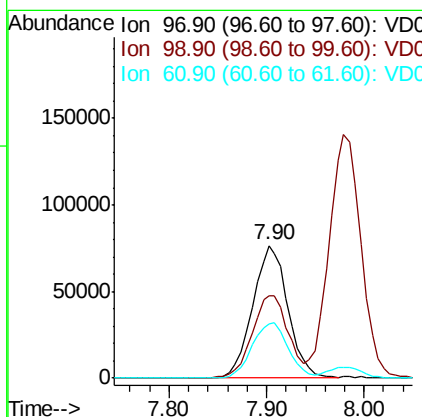
Manual Integrations
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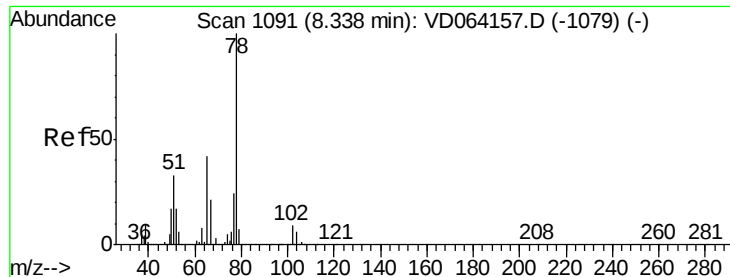
MMDadoda
11/12/2019 10:25:49 AM



#32
1,1,1-Trichloroethane
Concen: 19.726 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.6	77.4
61	43.1	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 53.802 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 65 Resp: 276751

Ion Ratio Lower Upper

65 100

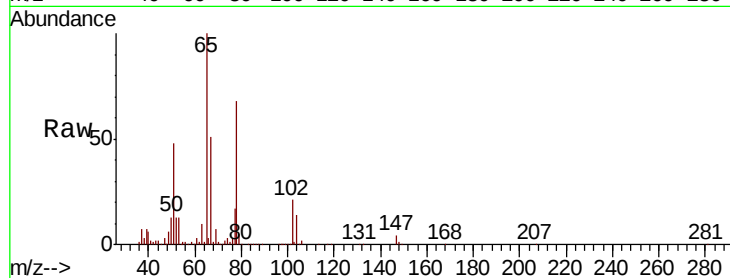
67 51.7 0.0 104.4

Manual Integrations

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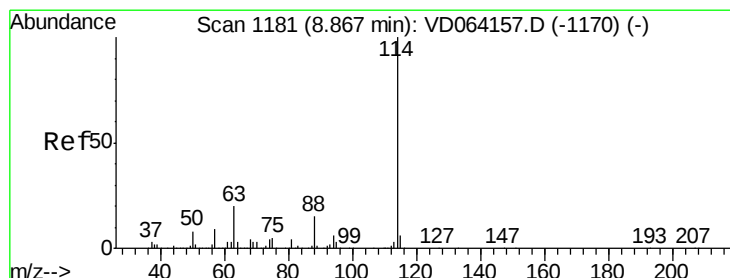
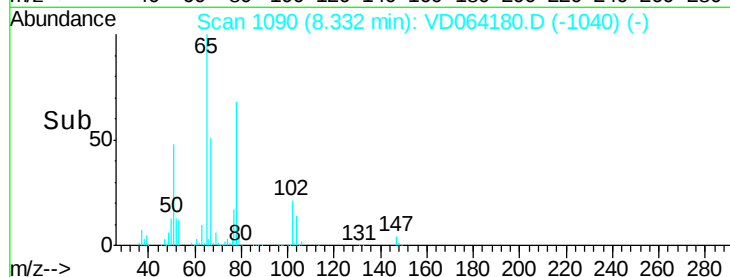
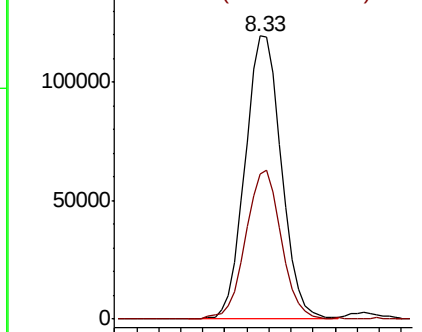
MMDadoda

11/12/2019 10:25:49 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

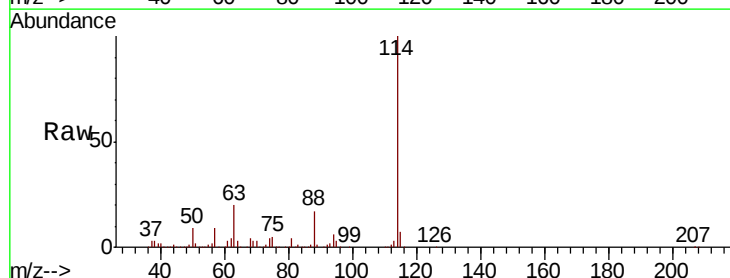
Tgt Ion: 114 Resp: 907033

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

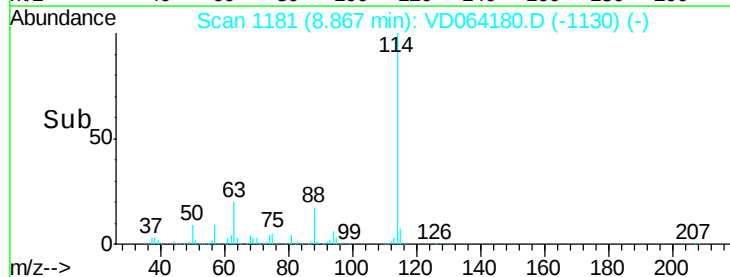
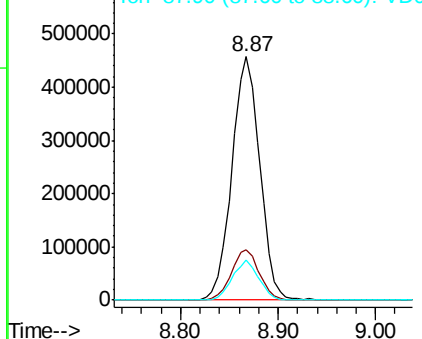
88 16.6 0.0 30.2

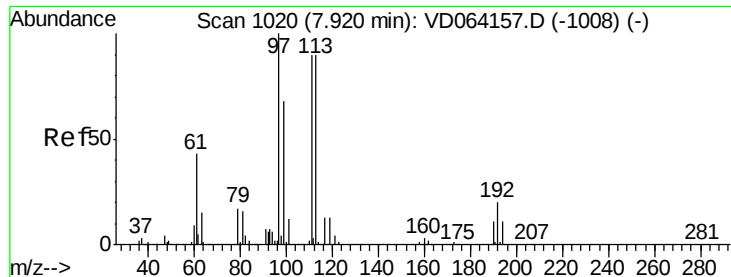


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





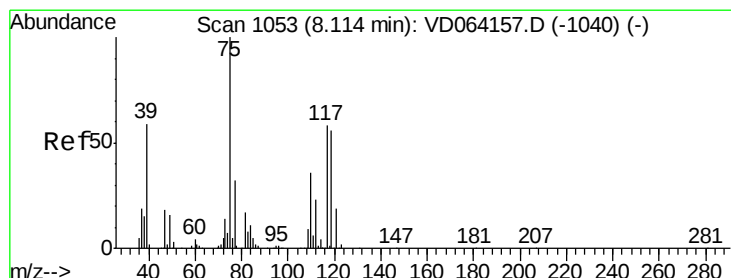
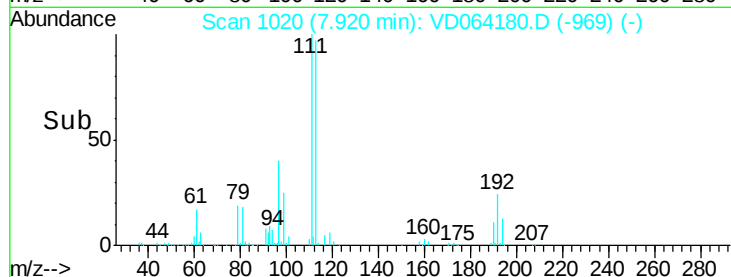
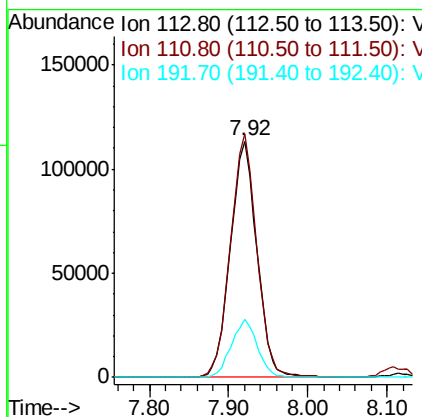
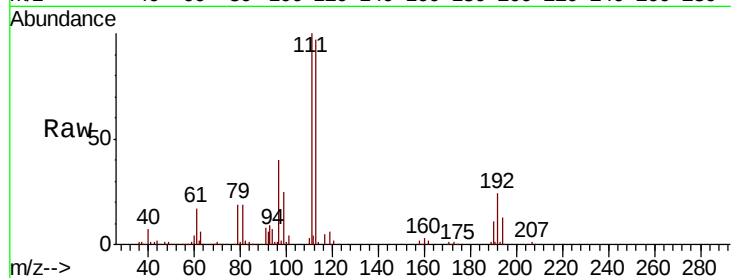
#35
 Dibromofluoromethane
 Concen: 50.566 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	23.9	18.8	28.2

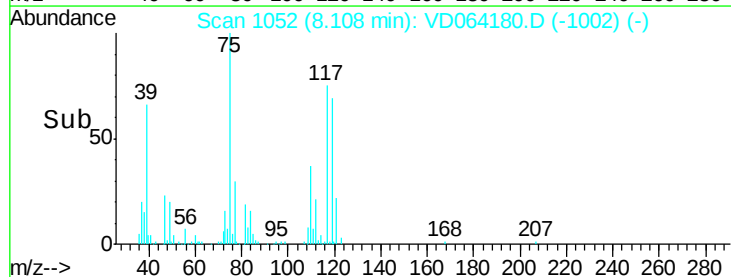
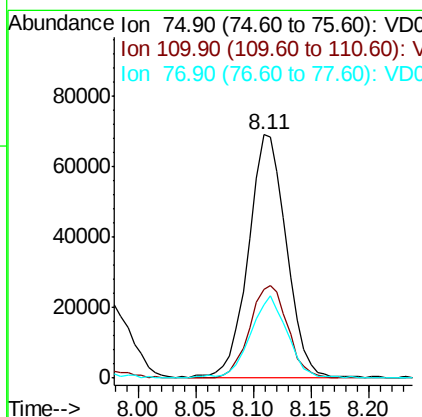
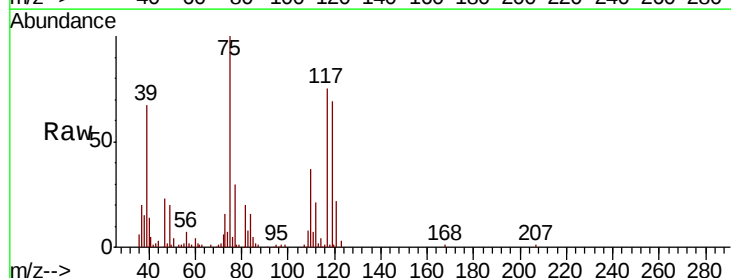
Manual Integrations
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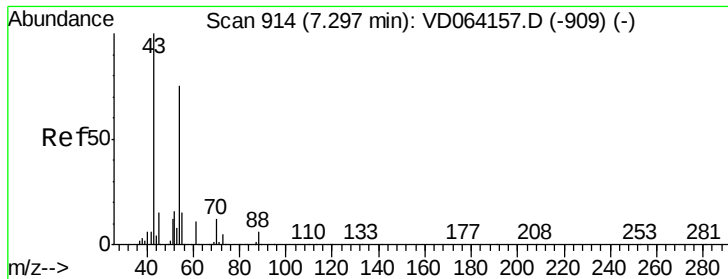
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 11/12/2019 10:25:49 AM



#36
 1,1-Dichloropropene
 Concen: 18.784 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.3	54.9
77	33.3	25.0	37.6





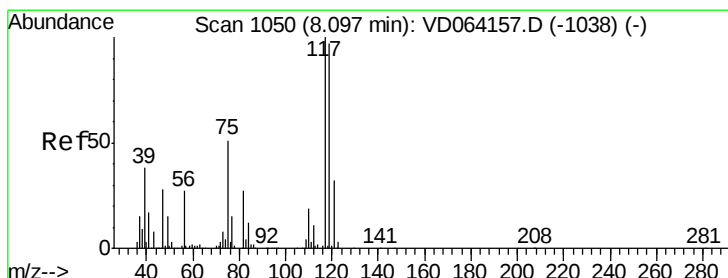
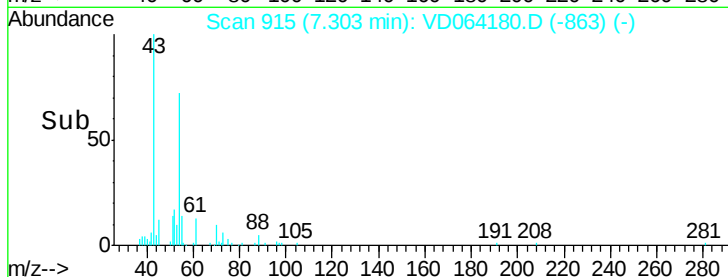
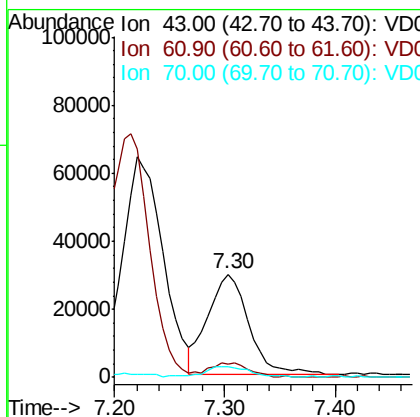
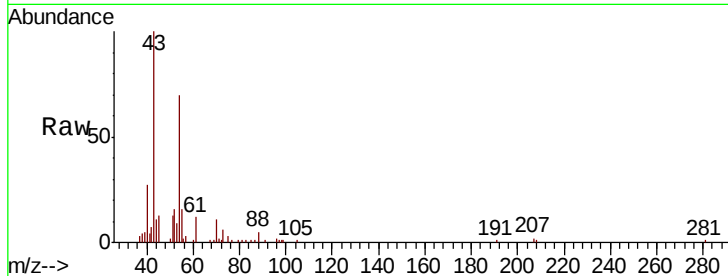
#37
Ethyl Acetate
Concen: 21.613 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleID :
VD1111SBS01

Tot Ion	43	Resp	76275
Ion Ratio	Lower	Upper	
43	100		
61	13.1	10.2	15.2
70	10.0	8.5	12.7

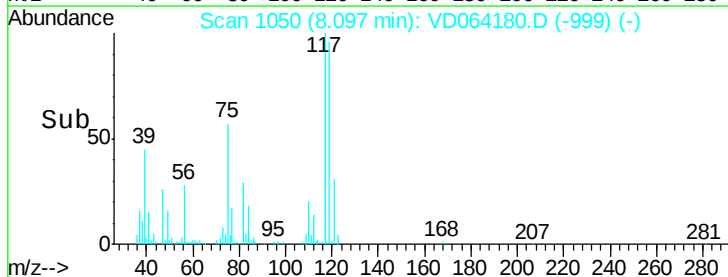
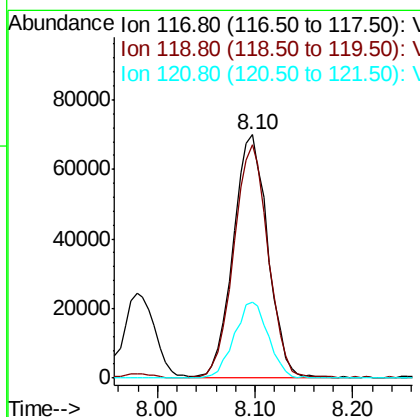
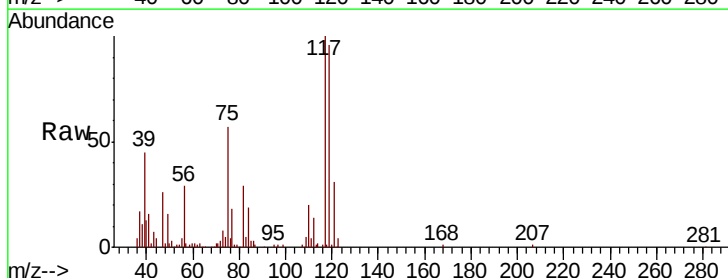
Manual Integrations
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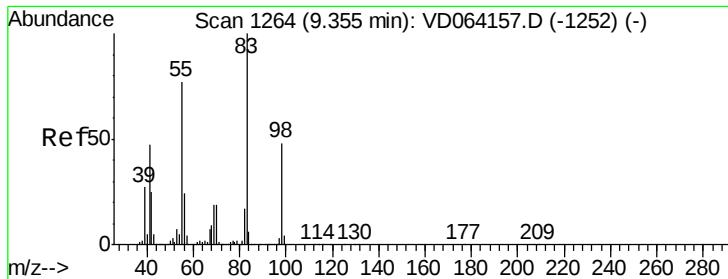
MMDadoda
11/12/2019 10:25:49 AM



#38
Carbon Tetrachloride
Concen: 19.160 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	117	Resp	171625
Ion Ratio	Lower	Upper	
117	100		
119	96.1	77.2	115.8
121	31.1	25.5	38.3





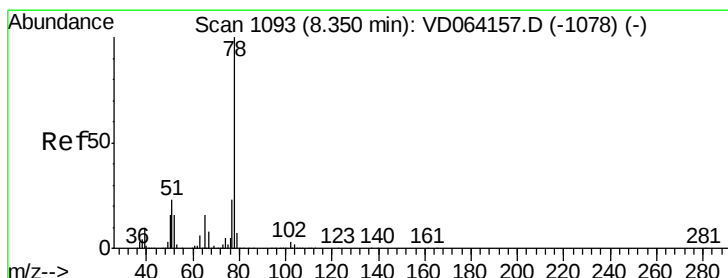
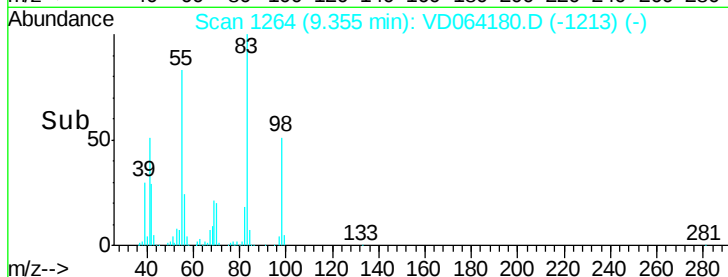
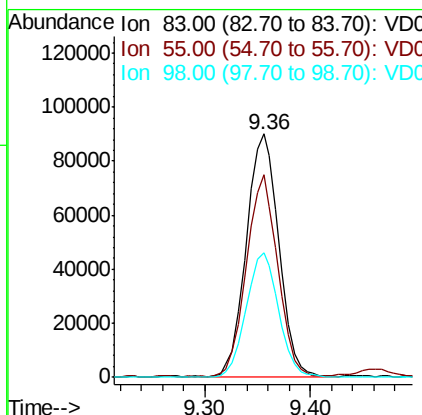
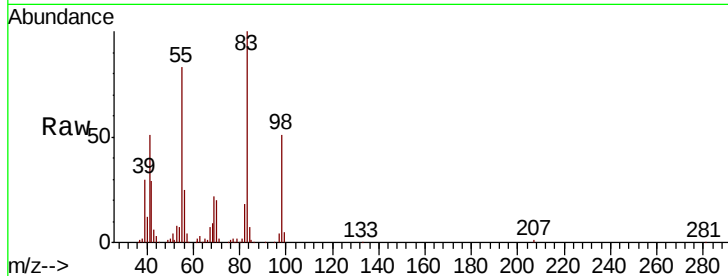
#39
Methvlcvclohexane
Concen: 18.353 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	61.7	92.5
98	51.3	38.6	58.0

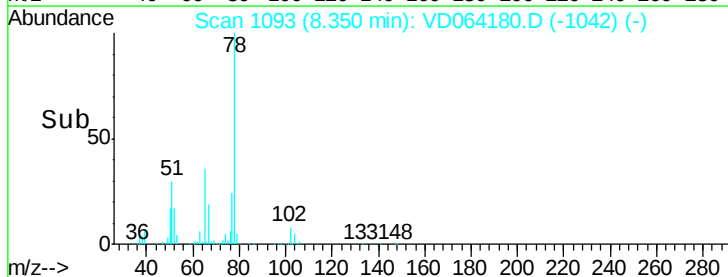
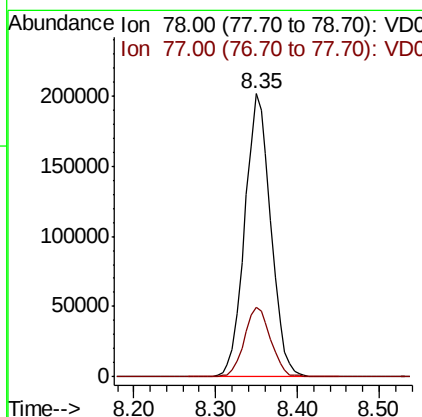
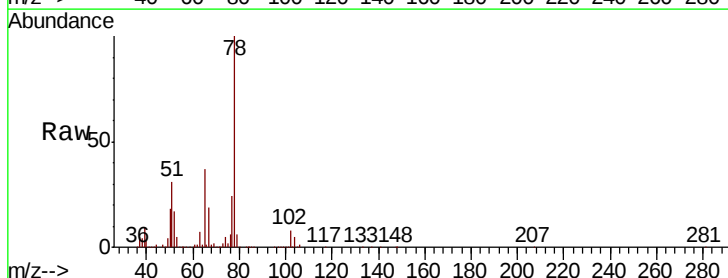
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#40
Benzene
Concen: 19.466 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





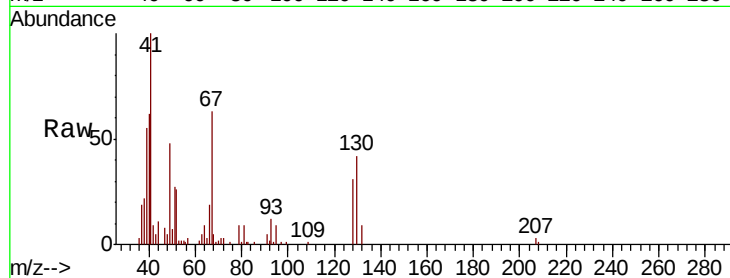
#41
Methacrylonitrile
Concen: 20.989 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

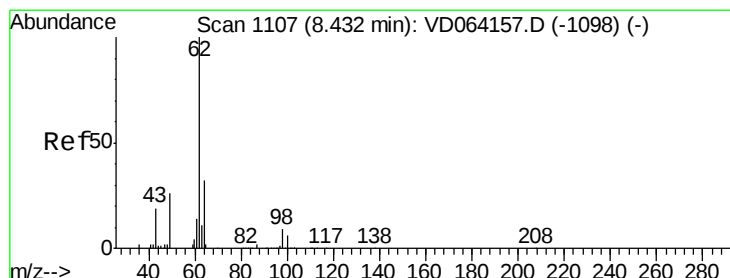
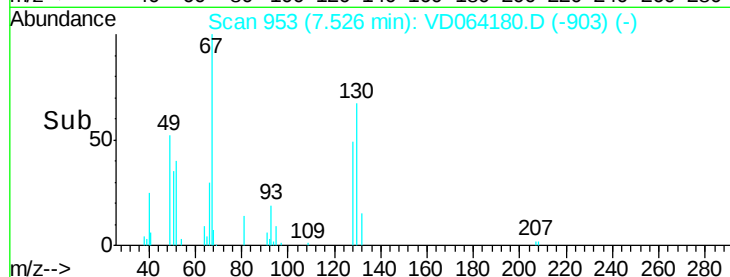
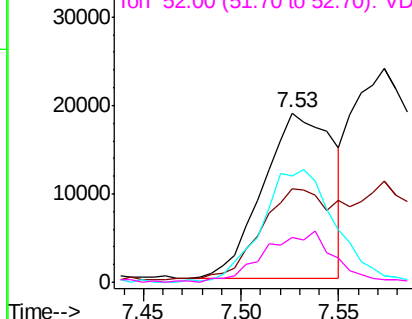
Tot Ion	Ratio	Lower	Upper
41	100		
39	49.0	49.4	74.2#
67	71.7	49.6	74.4
52	30.3	21.4	32.0

Manual Integrations
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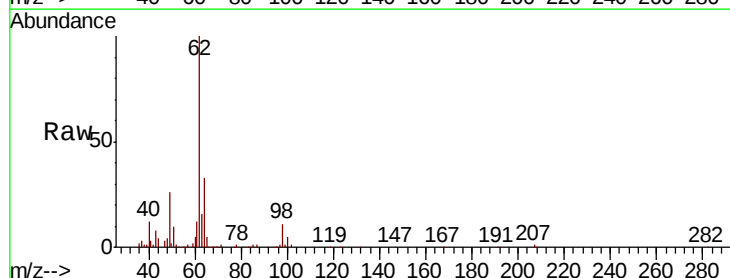


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

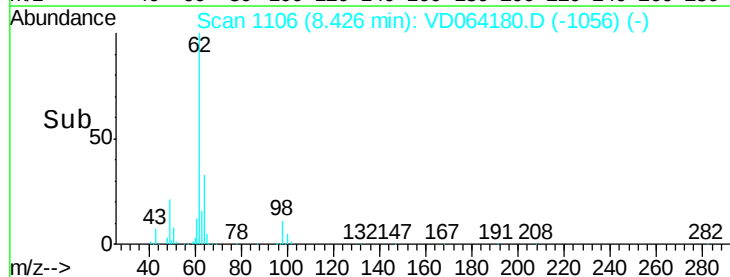
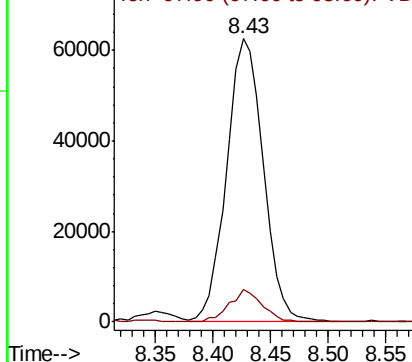


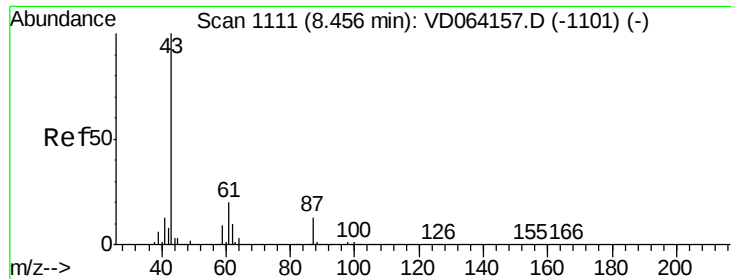
#42
1,2-Dichloroethane
Concen: 20.130 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





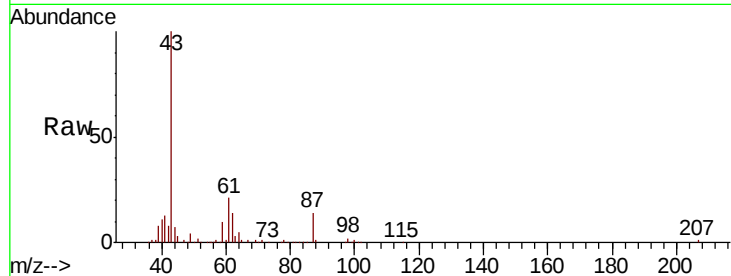
#43
Isopropyl Acetate
Concen: 21.048 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.9	34.3
87	13.7	10.2	15.2

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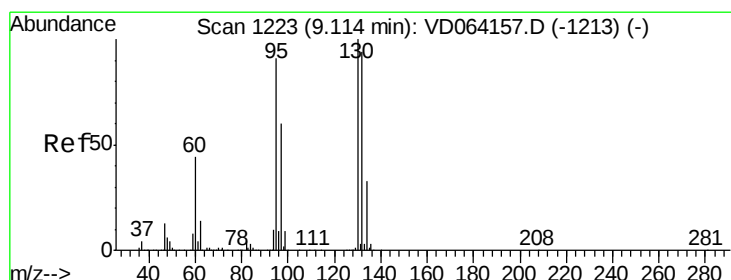
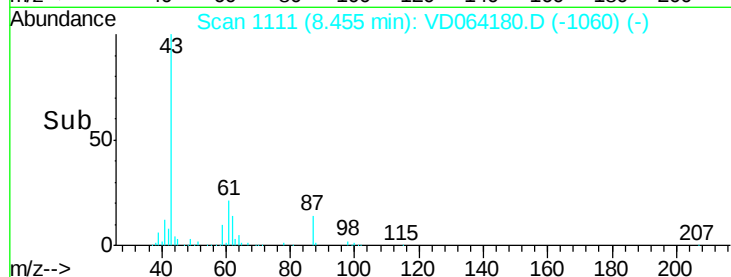
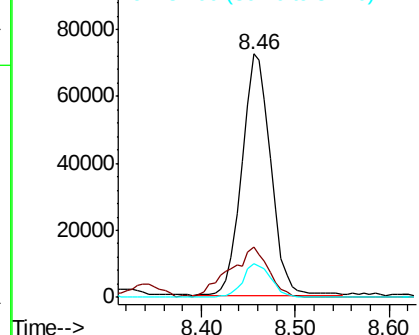


Abundance

Ion 43.00 (42.70 to 43.70): VDC

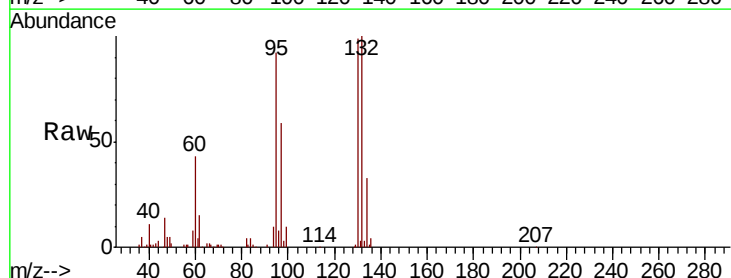
Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44
Trichloroethene
Concen: 19.334 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

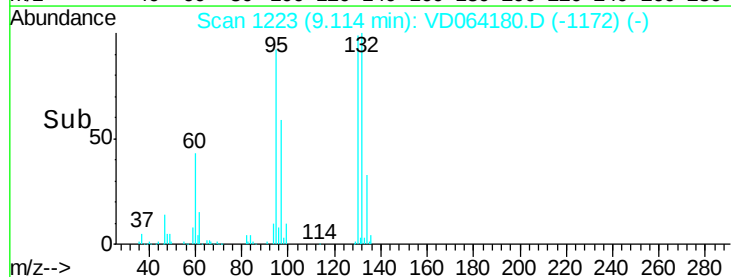
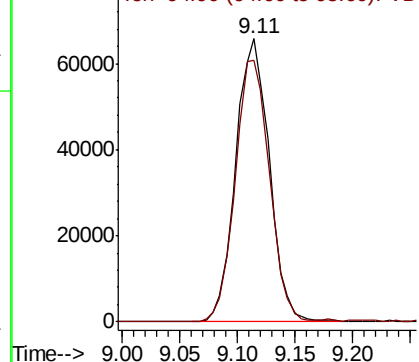
Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	181.6

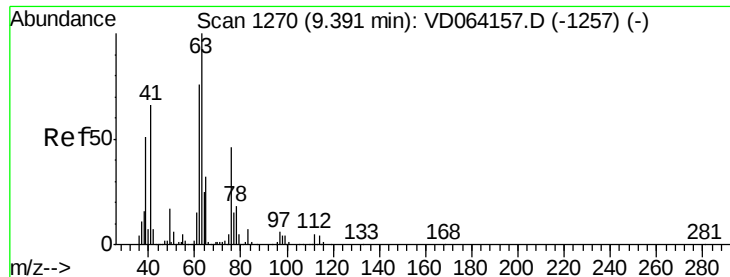


Abundance

Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.653 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 63 Resp: 109437

Ion Ratio Lower Upper

63 100

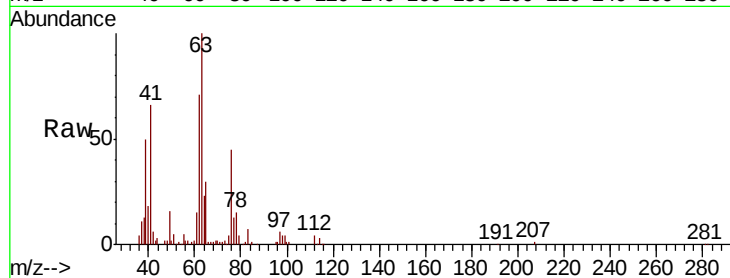
65 30.1 25.7 38.5

Manual Integrations

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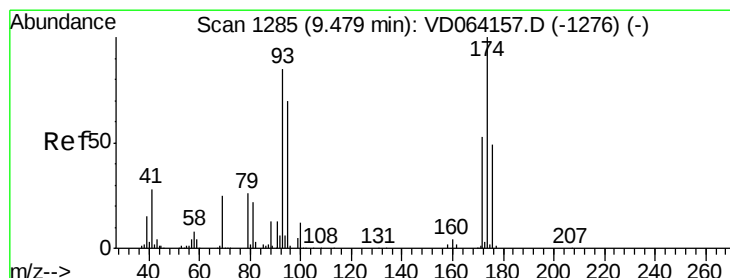
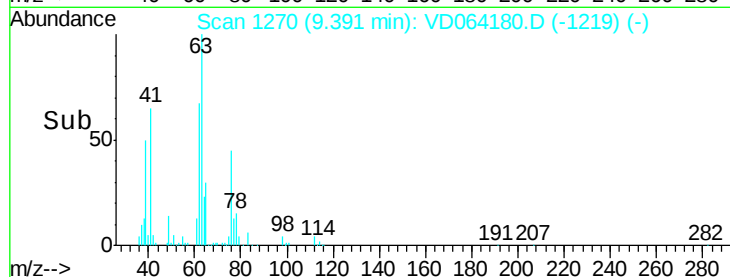
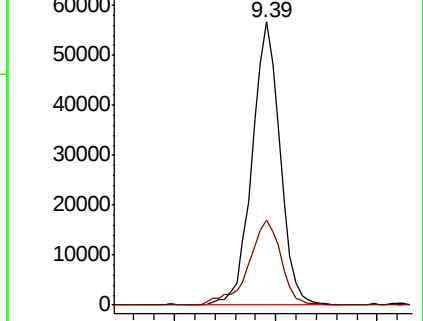
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.320 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

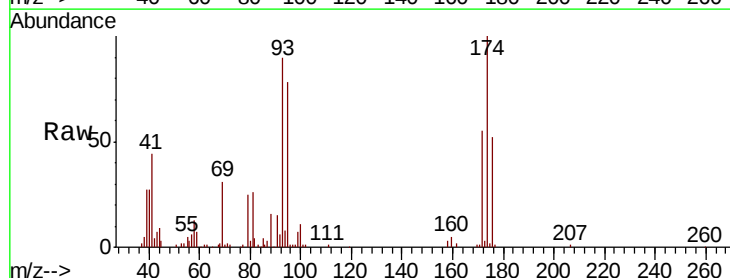
Tgt Ion: 93 Resp: 60577

Ion Ratio Lower Upper

93 100

95 83.7 65.5 98.3

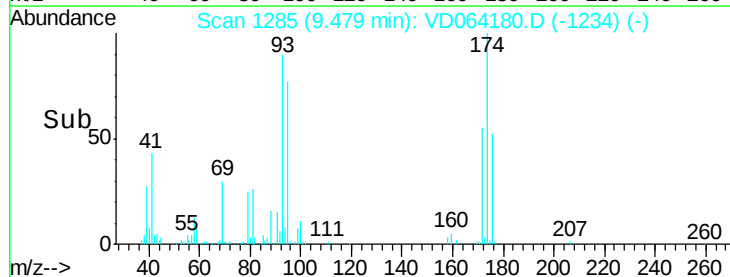
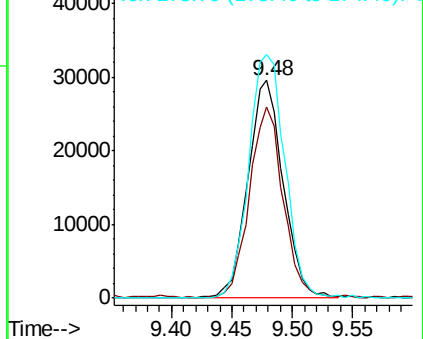
174 114.6 93.9 140.9

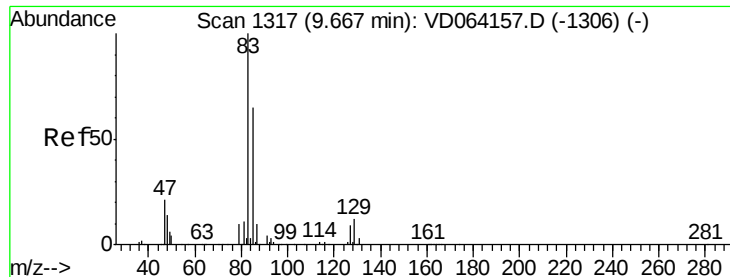


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.160 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

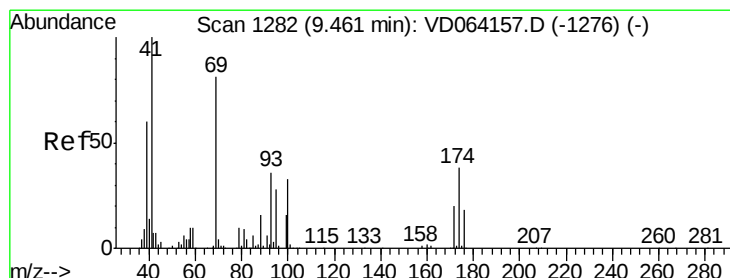
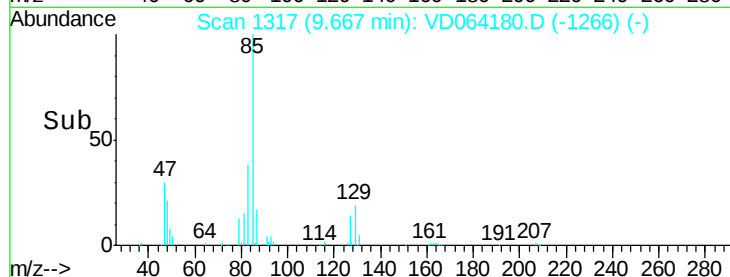
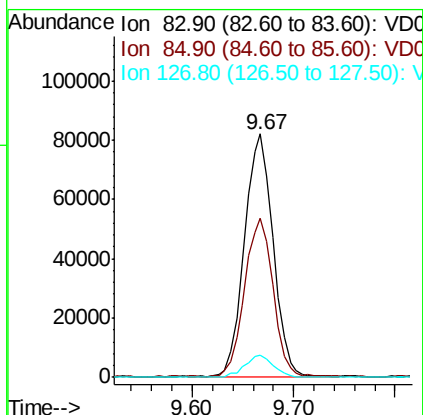
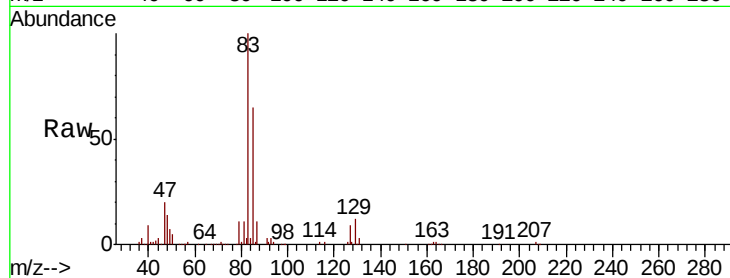
ClientSampleId :

VD1111SBSD01

Tot Ion:	83	Resp:	161884
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.4
127	9.2	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.737 ug/l

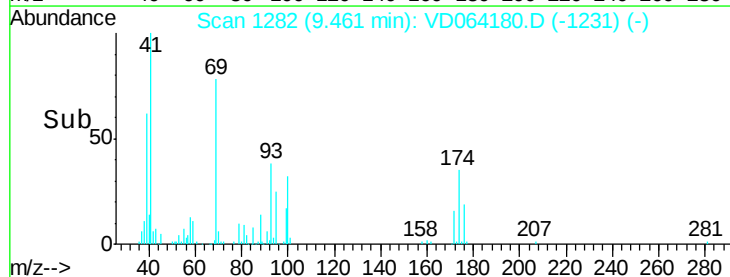
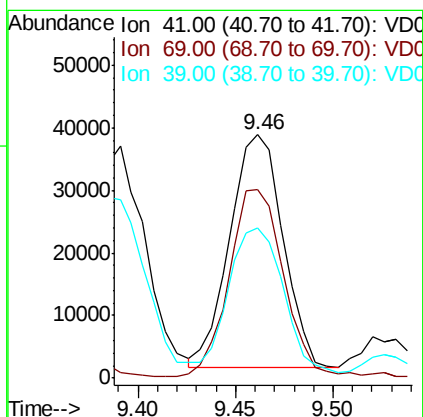
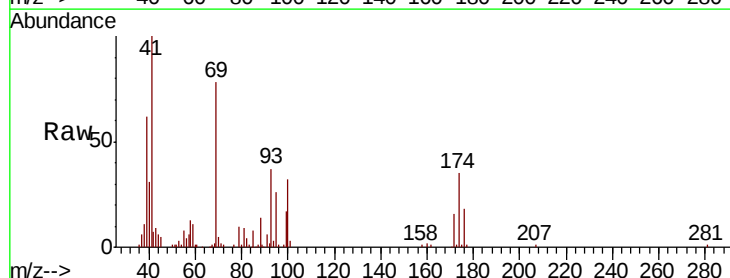
RT: 9.46 min Scan# 1282

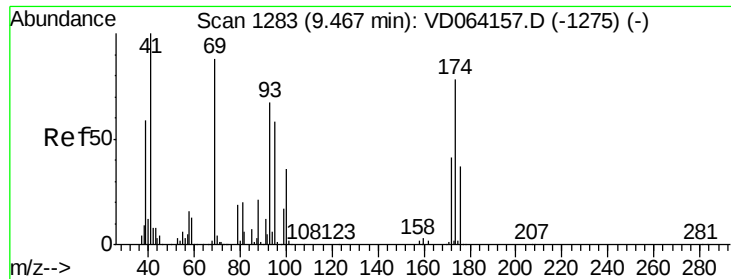
Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion:	41	Resp:	70176
Ion	Ratio	Lower	Upper
41	100		
69	82.5	64.6	97.0
39	68.4	48.2	72.2





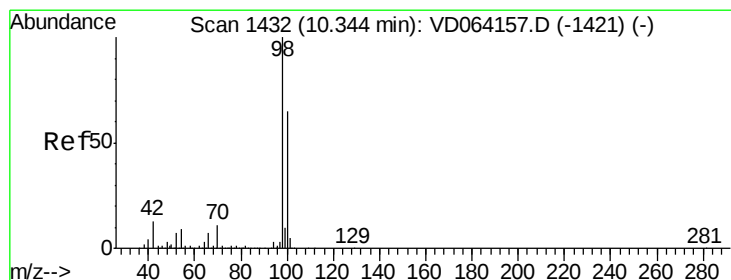
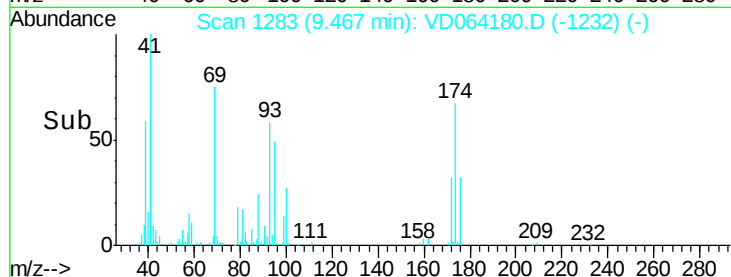
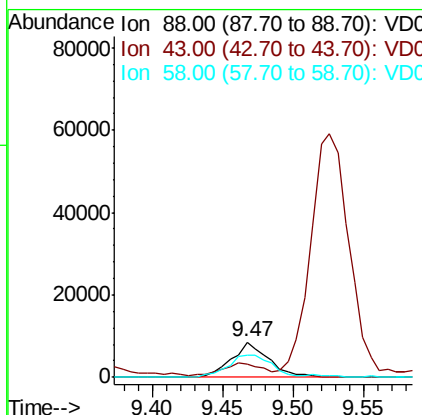
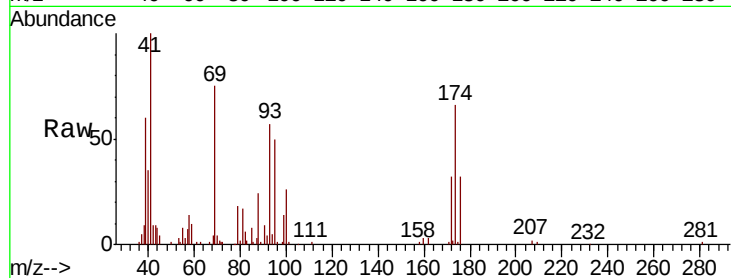
#49
1,4-Dioxane
Concen: 438.307 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	29.8	44.8
58	79.8	58.1	87.1

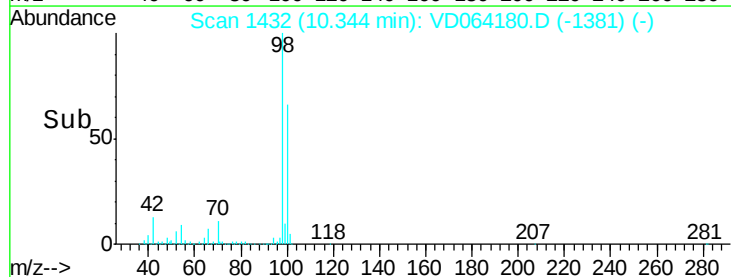
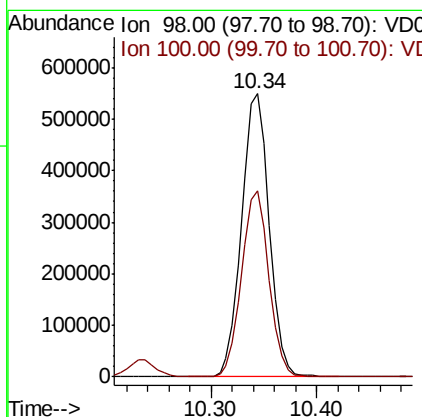
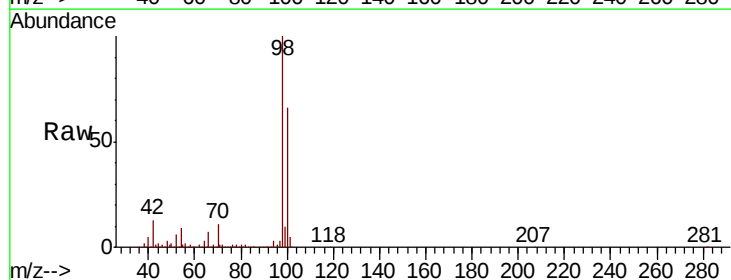
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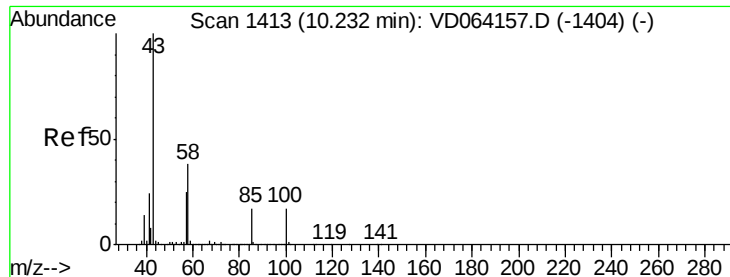
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#50
Toluene-d8
Concen: 50.780 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	78.8





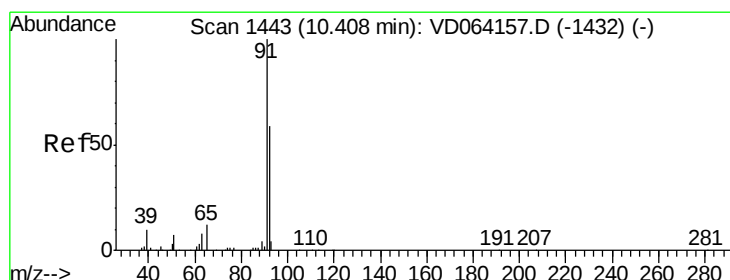
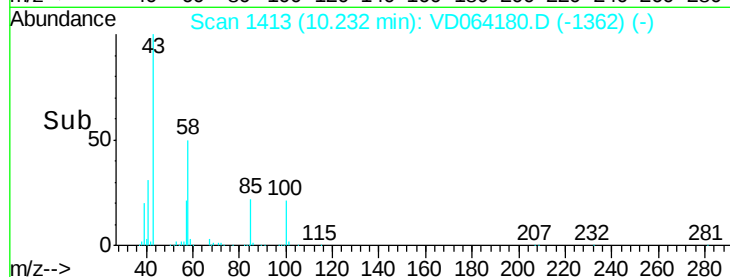
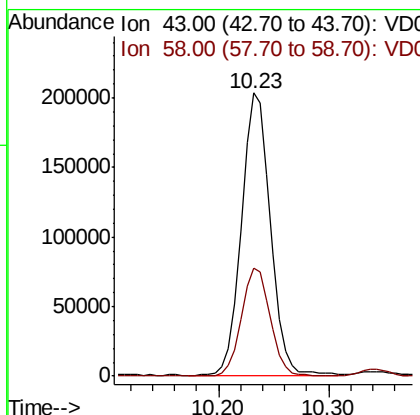
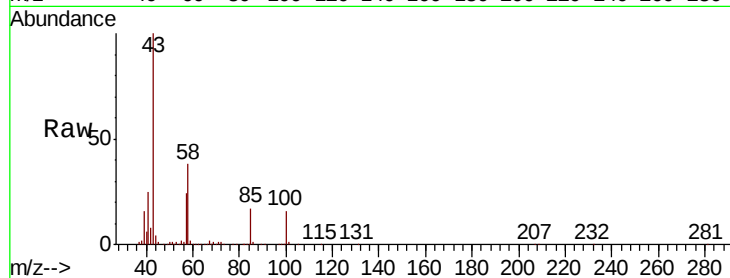
#51
4-Methyl-2-Pentanone
Concen: 106.974 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 43 Resp: 373011
Ion Ratio Lower Upper
43 100
58 38.2 30.2 45.4

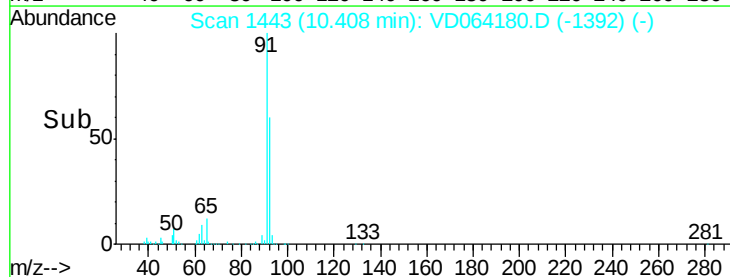
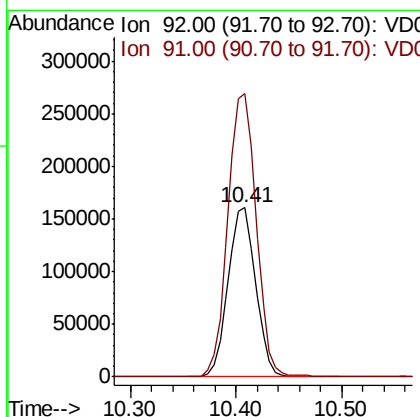
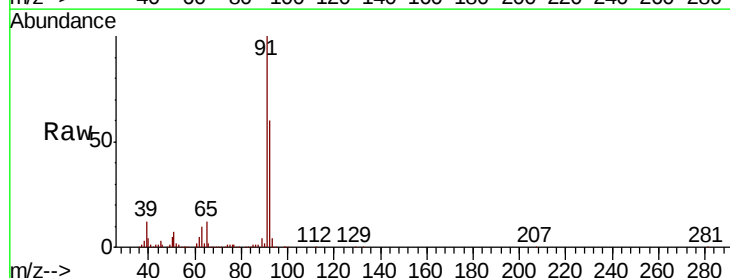
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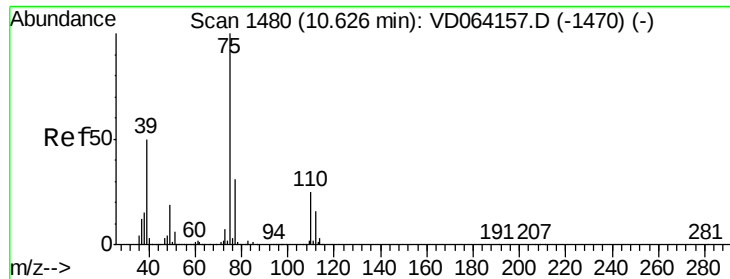
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#52
Toluene
Concen: 19.294 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 92 Resp: 290257
Ion Ratio Lower Upper
92 100
91 171.7 136.4 204.6





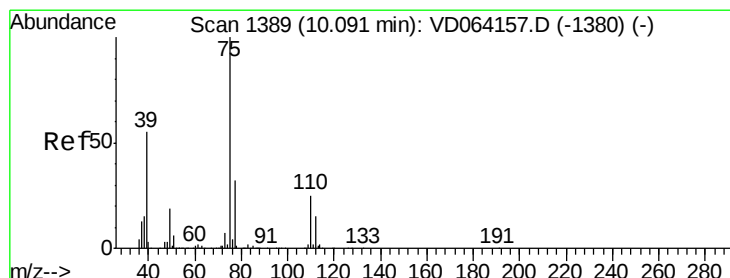
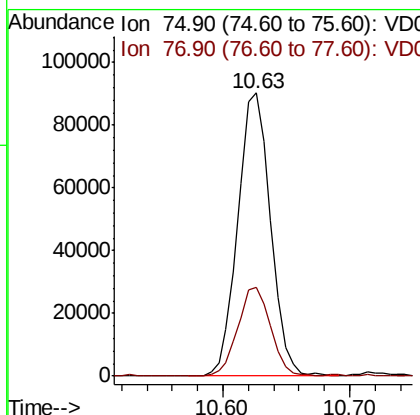
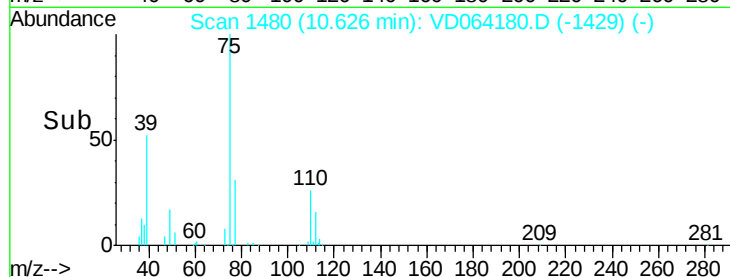
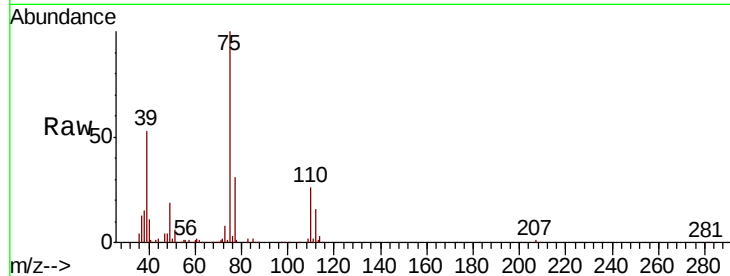
#53
t-1,3-Dichloropropene
Concen: 20.110 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 75 Resp: 161780
Ion Ratio Lower Upper
75 100
77 31.0 24.7 37.1

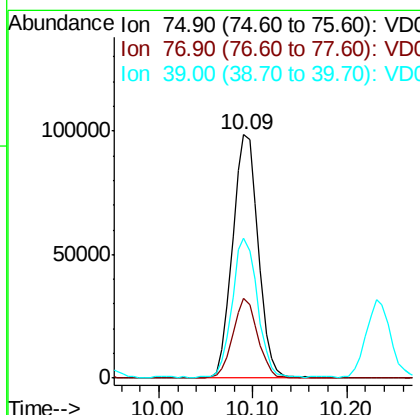
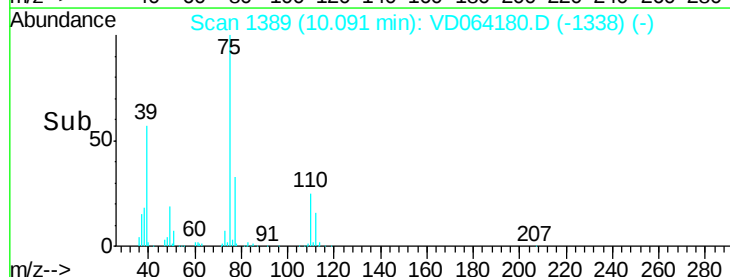
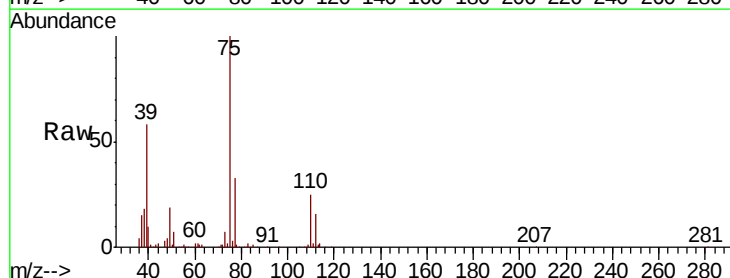
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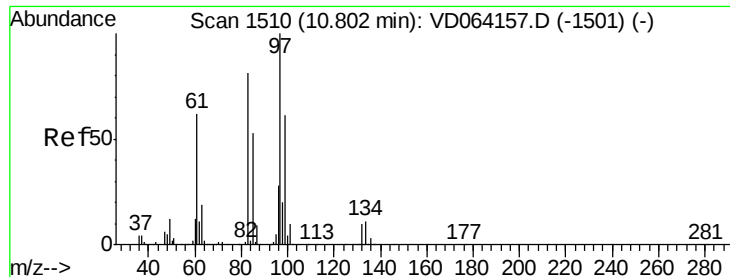
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#54
cis-1,3-Dichloropropene
Concen: 19.878 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 75 Resp: 186613
Ion Ratio Lower Upper
75 100
77 33.0 25.2 37.8
39 57.4 44.2 66.2





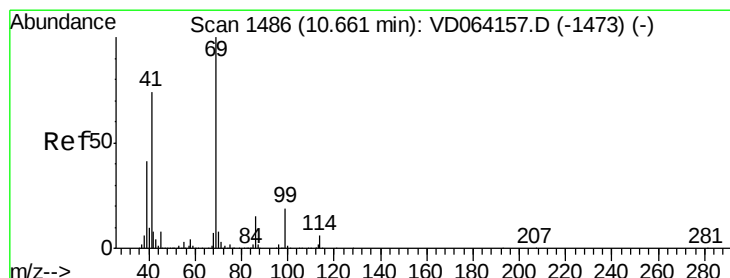
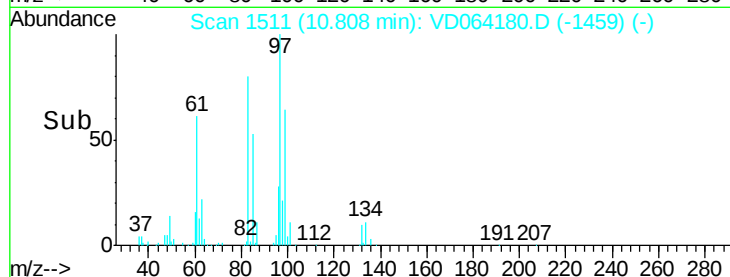
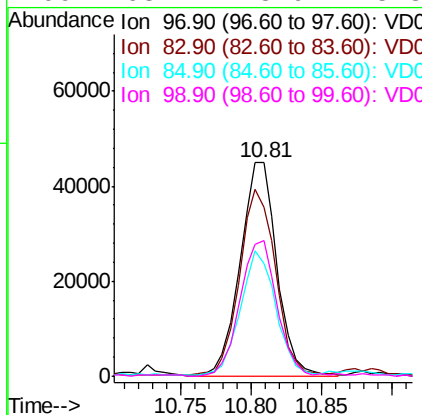
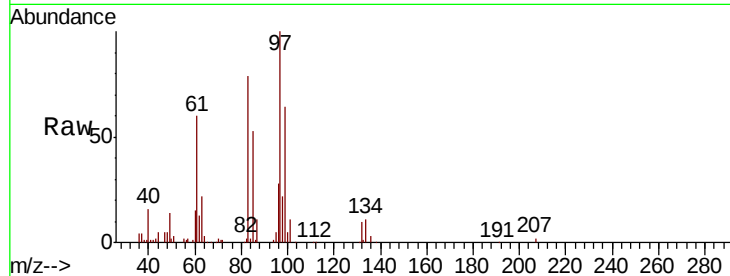
#55
 1,1,2-Trichloroethane
 Concen: 20.361 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Tot Ion:	97	Resp:	82342
Ion	Ratio	Lower	Upper
97	100		
83	78.6	65.1	97.7
85	52.3	42.0	63.0
99	63.7	48.9	73.3

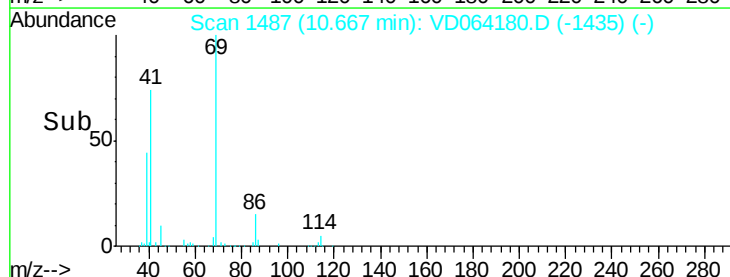
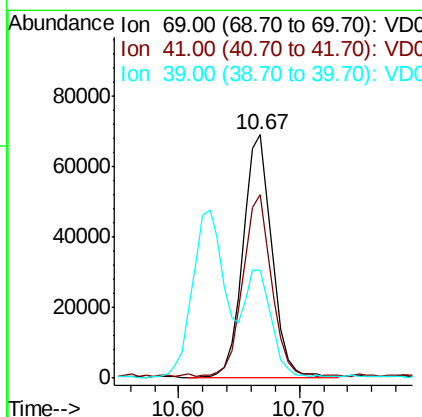
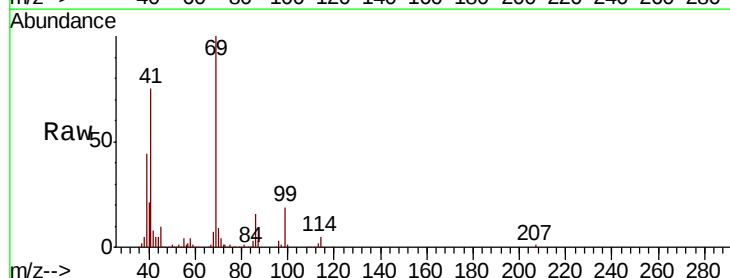
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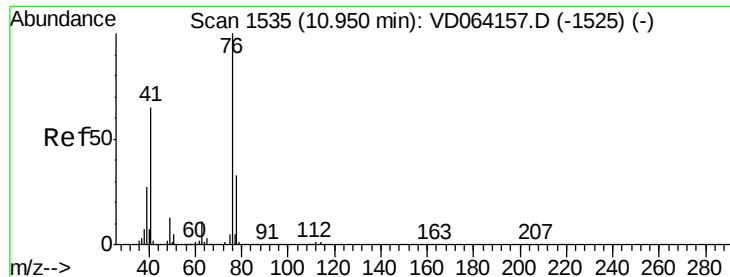
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#56
 Ethyl methacrylate
 Concen: 20.265 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion:	69	Resp:	114646
Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.9	86.9
39	39.2	29.0	43.4





#57

1,3-Dichloropropane

Concen: 20.602 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 76 Resp: 145304

Ion Ratio Lower Upper

76 100

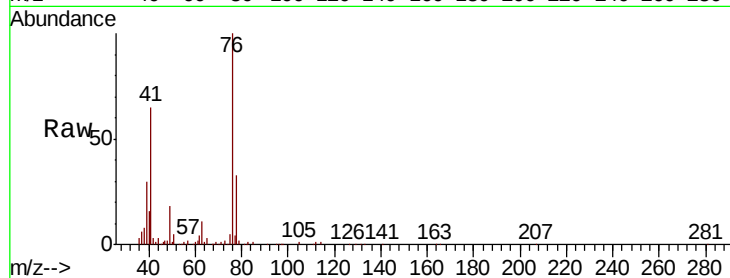
78 32.6 26.2 39.4

Manual Integrations

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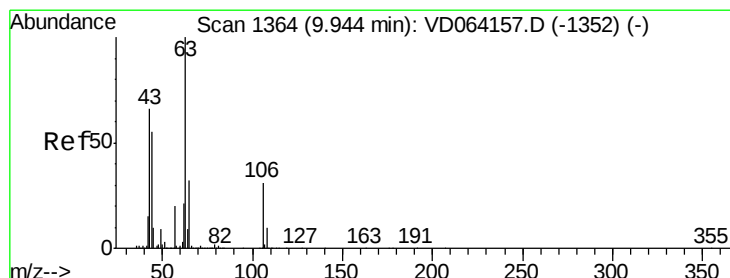
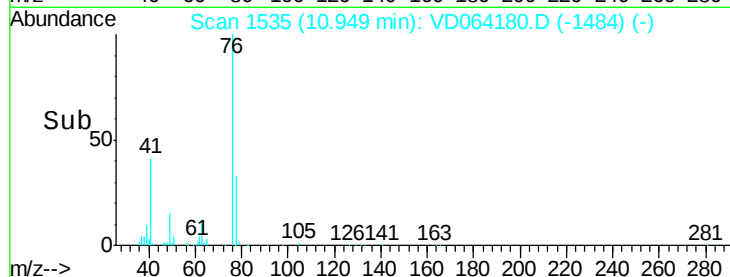
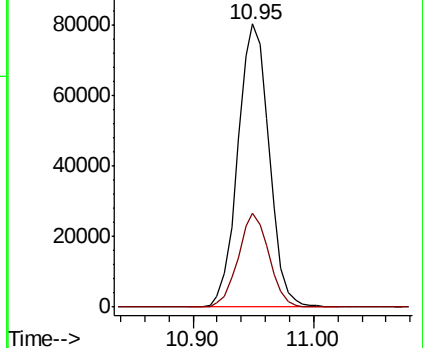
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.322 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064180.D

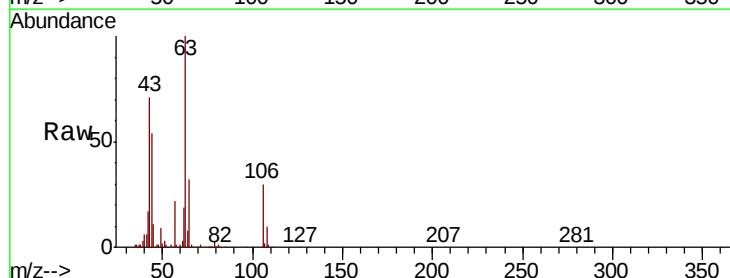
Acq: 11 Nov 2019 16:16

Tgt Ion: 63 Resp: 248233

Ion Ratio Lower Upper

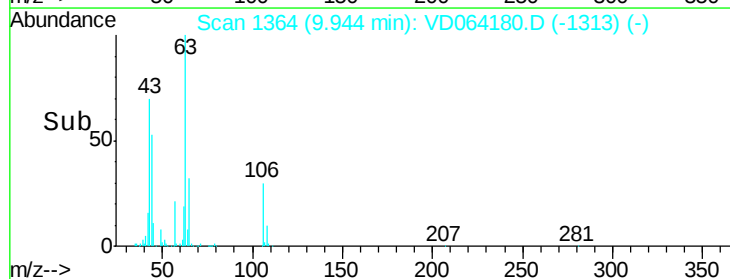
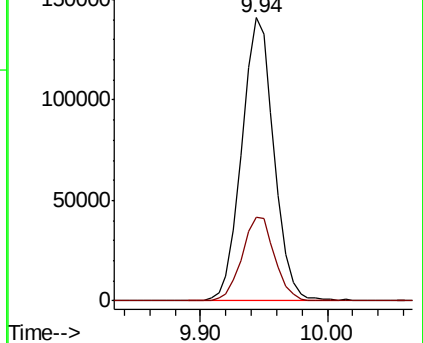
63 100

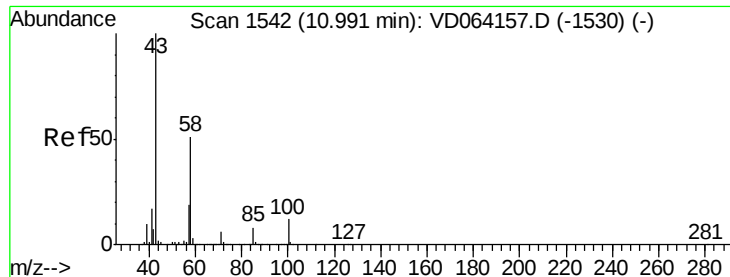
106 30.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC





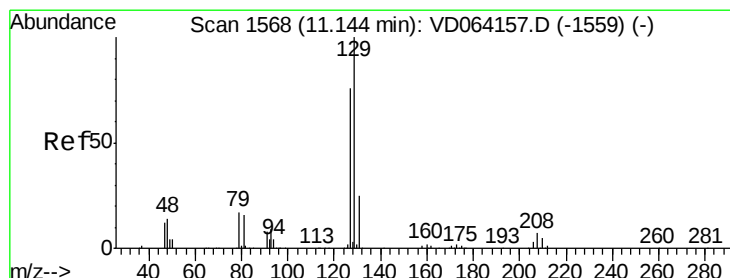
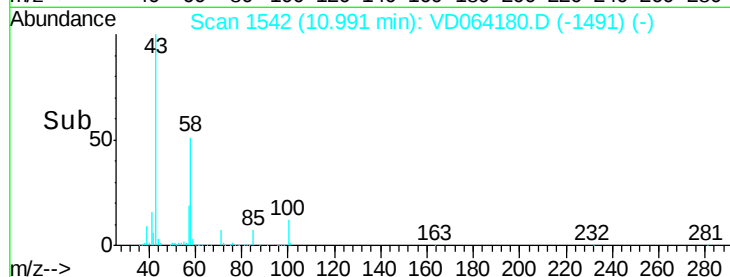
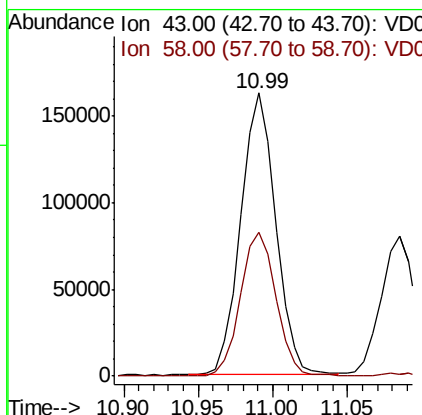
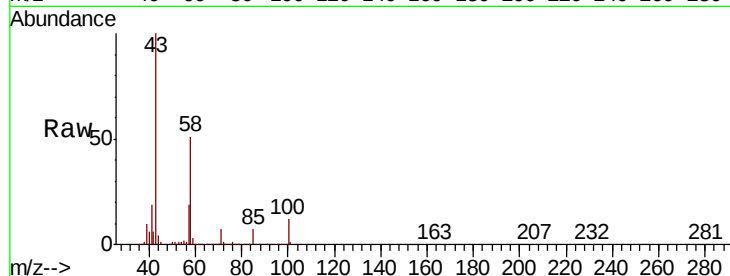
#59
2-Hexanone
Concen: 106.595 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion: 43 Resp: 264435
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7

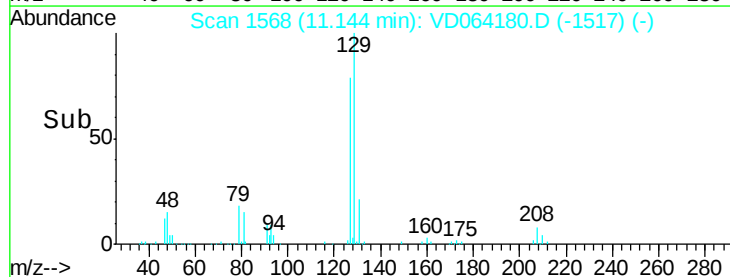
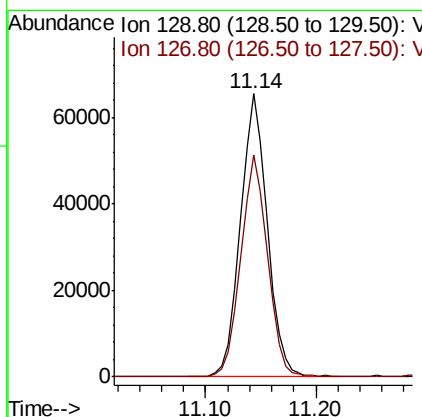
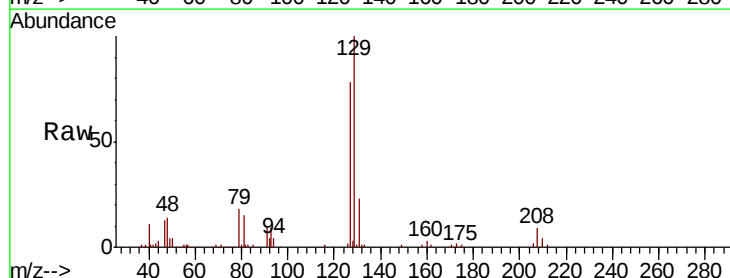
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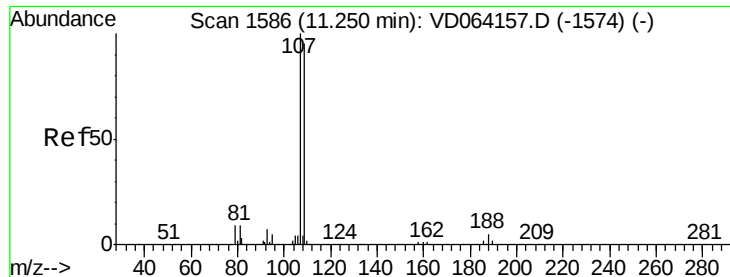
MMDadoda
11/12/2019 10:25:49 AM



#60
Dibromochloromethane
Concen: 19.908 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 129 Resp: 112342
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





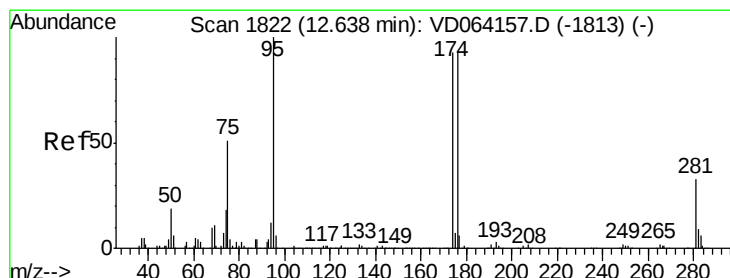
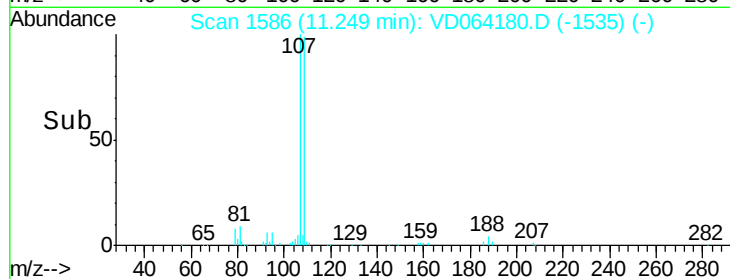
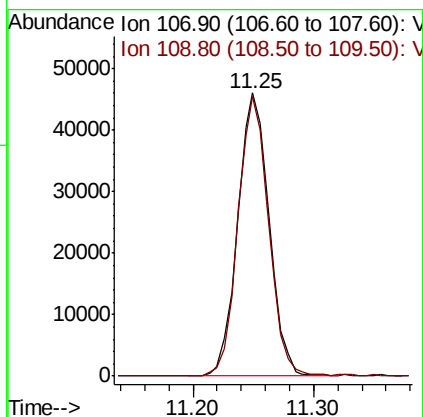
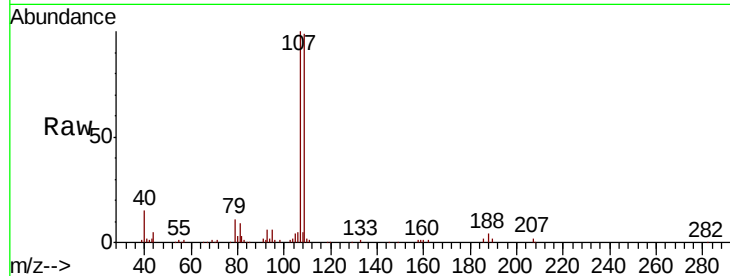
#61
 1,2-Dibromoethane
 Concen: 20.577 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.1	112.7

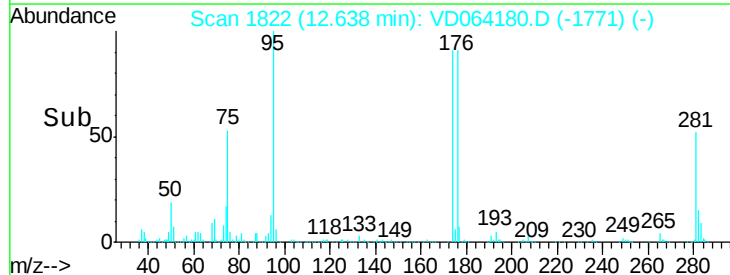
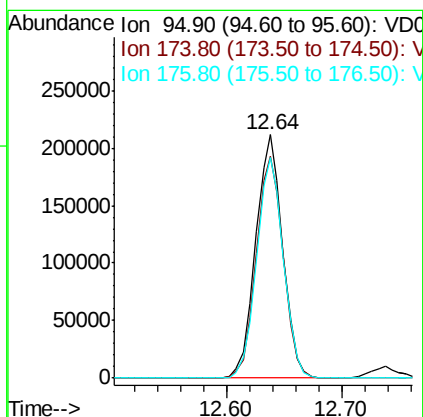
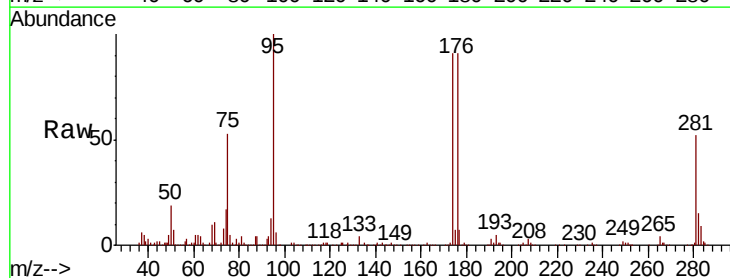
Manual Integrations
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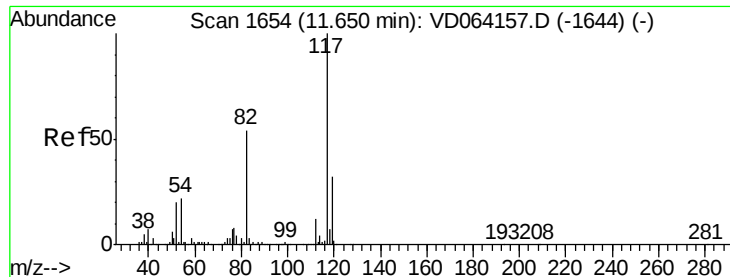
MMDadoda
 11/12/2019 10:25:49 AM



#62
 4-Bromofluorobenzene
 Concen: 50.545 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	183.6
176	89.8	0.0	180.2





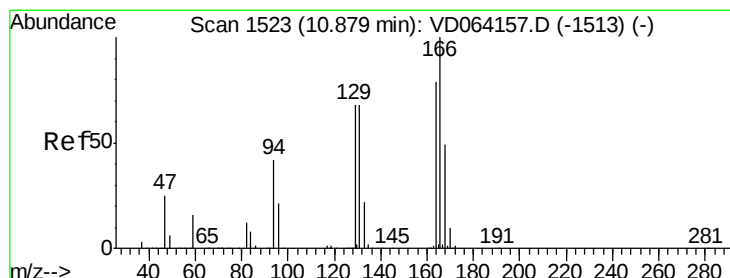
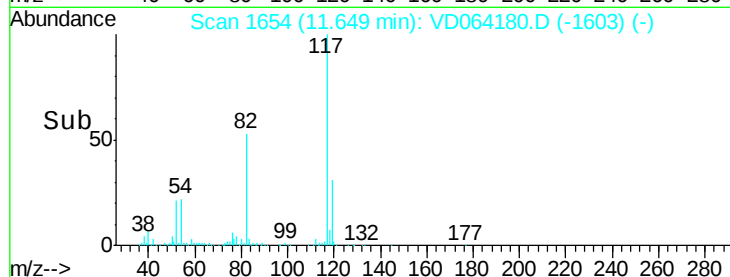
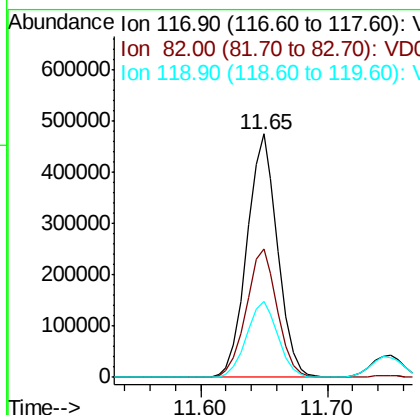
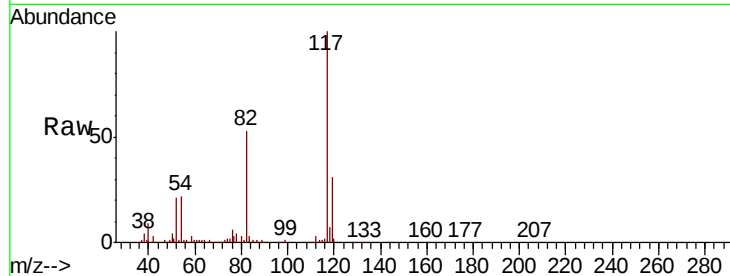
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	795975		
82	52.7		42.8	64.2
119	31.3		25.6	38.4

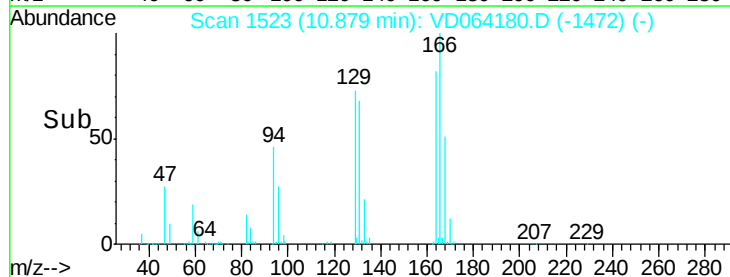
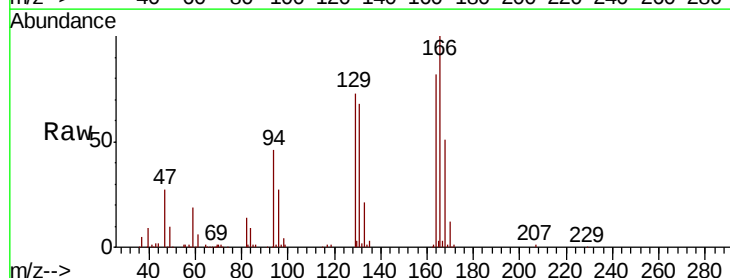
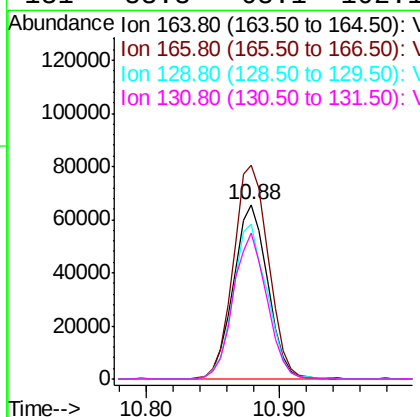
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#64
Tetrachloroethene
Concen: 19.068 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116730		
166	122.2		100.8	151.2
129	88.7		68.7	103.1
131	83.3		68.1	102.1





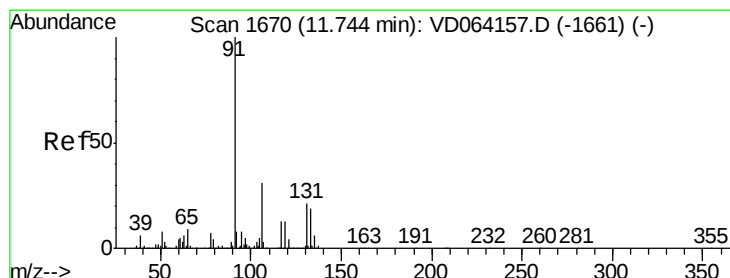
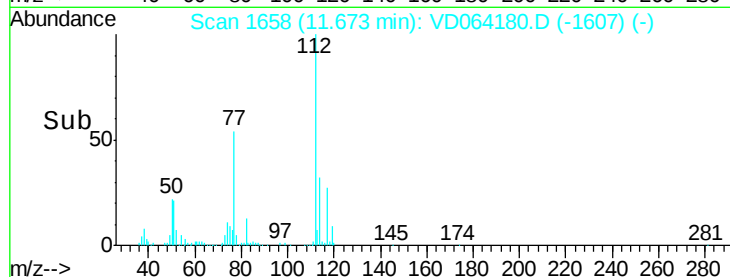
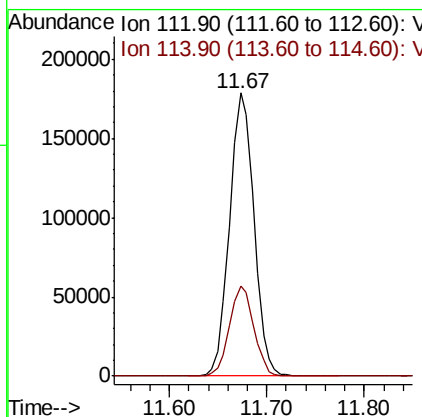
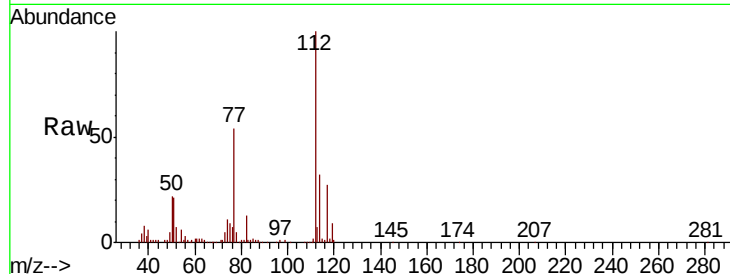
#65
Chlorobenzene
Concen: 19.192 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

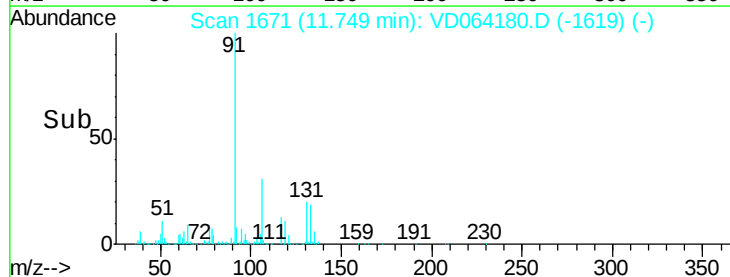
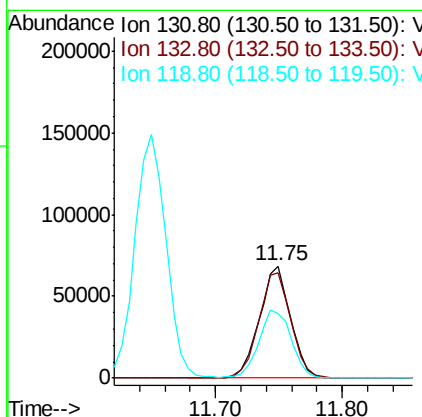
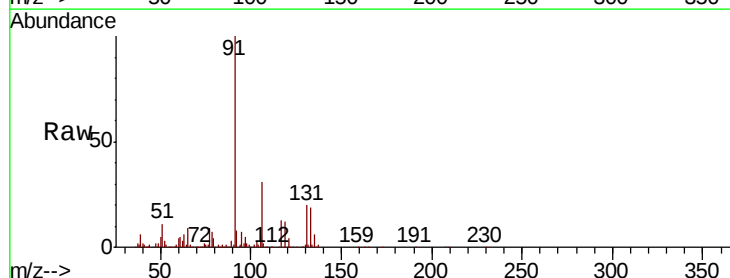
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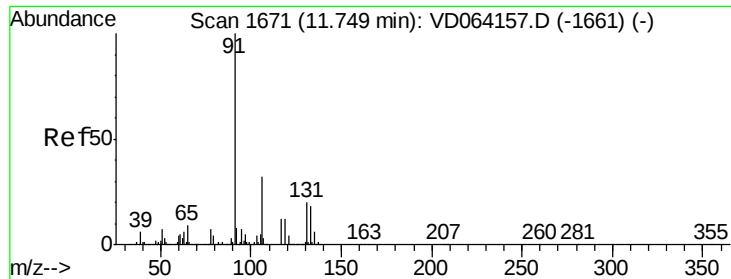
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.956 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.2	47.3	141.9
119	64.1	31.1	93.3





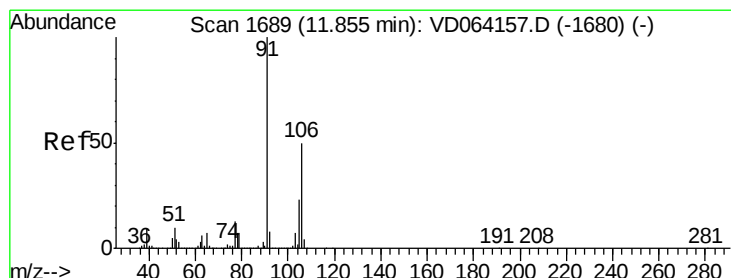
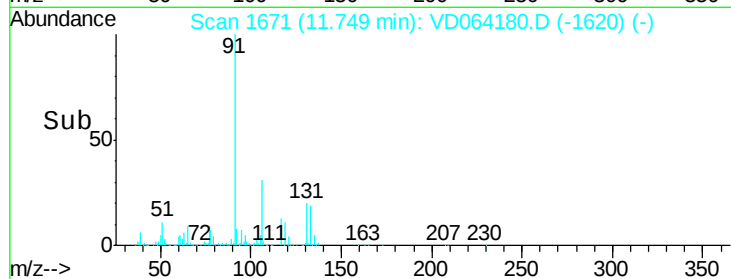
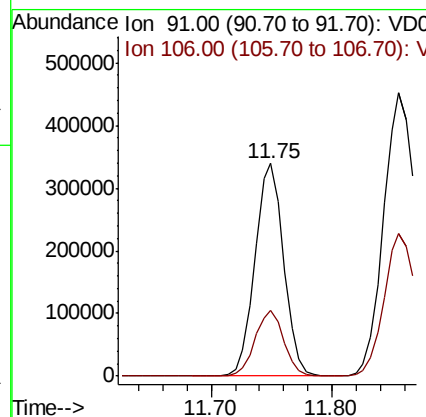
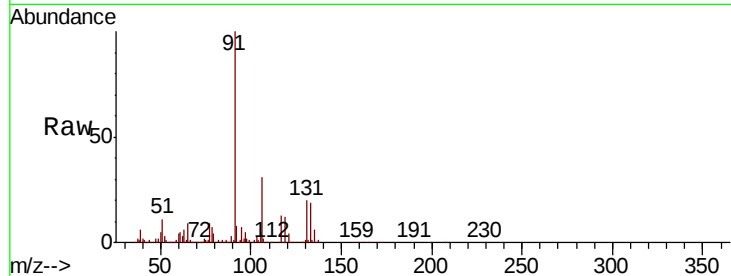
#67
Ethyl Benzene
Concen: 19.229 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 91 Resp: 562992
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

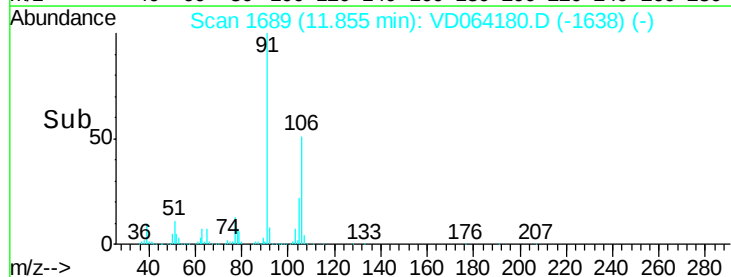
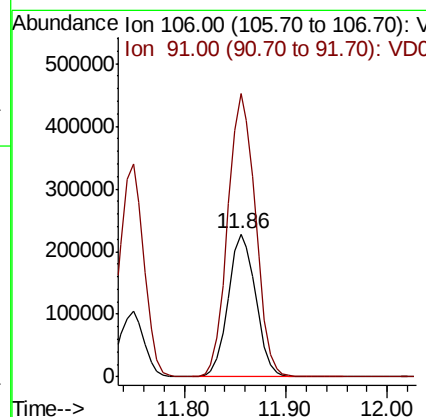
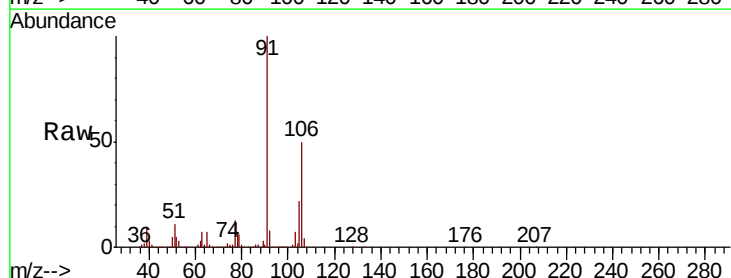
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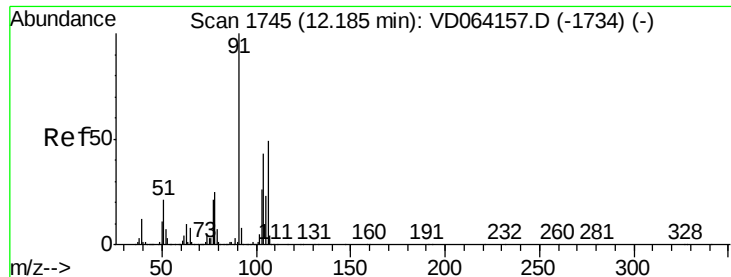
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#68
m/p-Xylenes
Concen: 38.106 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 106 Resp: 427642
Ion Ratio Lower Upper
106 100
91 200.5 160.3 240.5





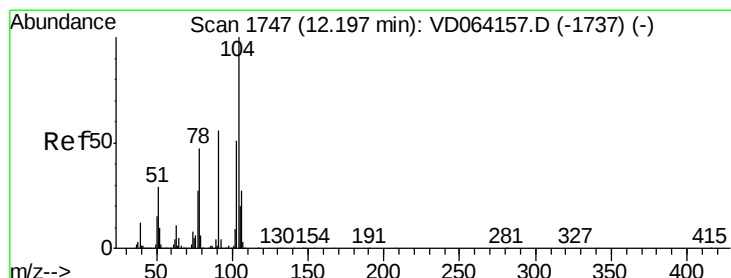
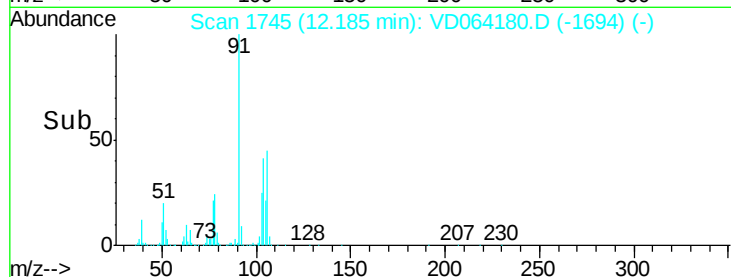
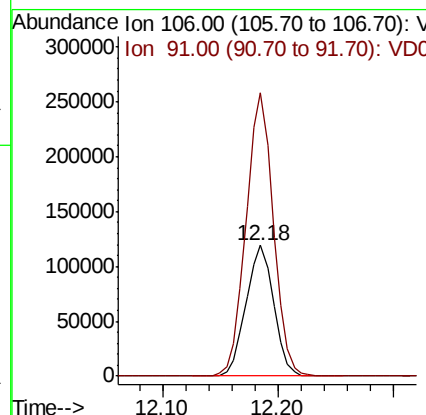
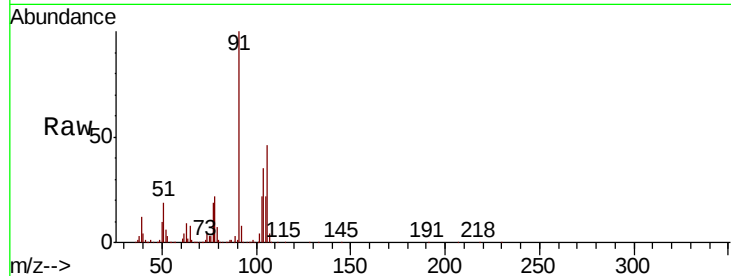
#69
o-Xylene
Concen: 19.066 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.7	105.1	315.3

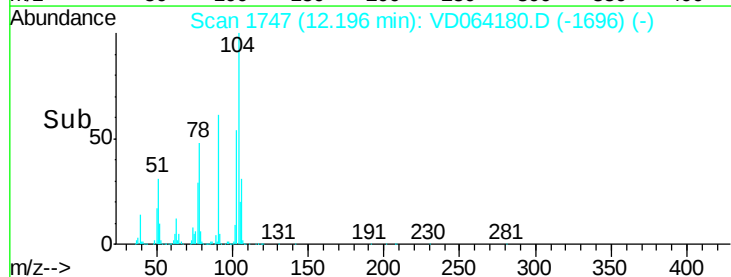
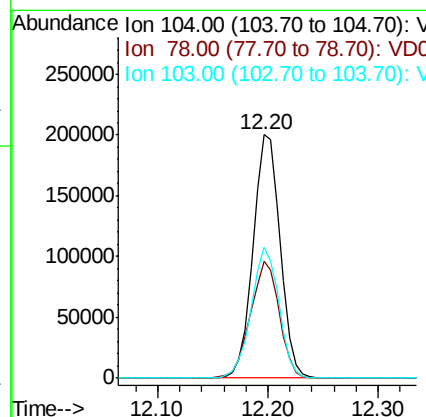
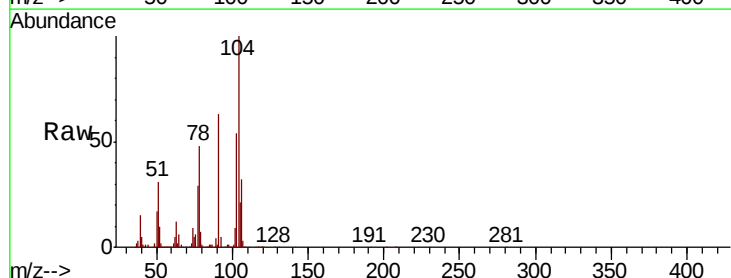
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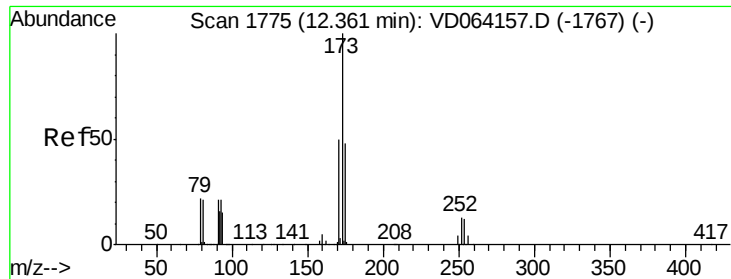
MMDadoda
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#70
Styrene
Concen: 19.019 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.9	59.9
103	55.0	43.4	65.0





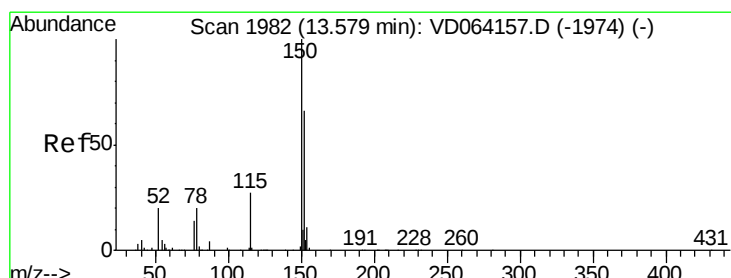
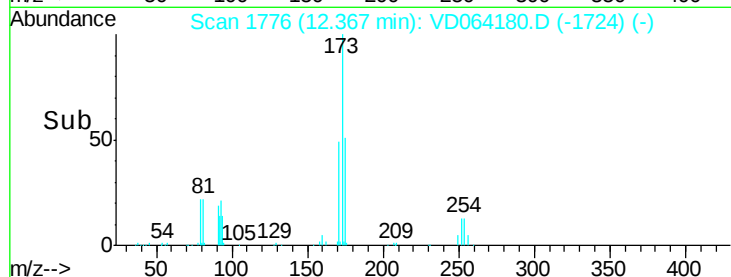
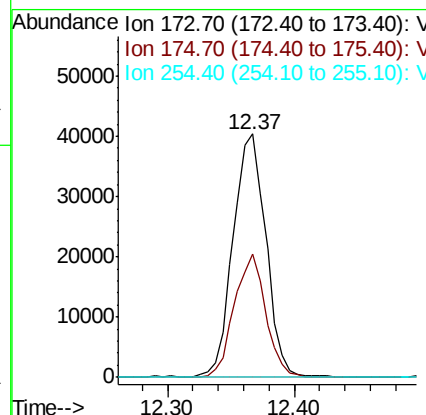
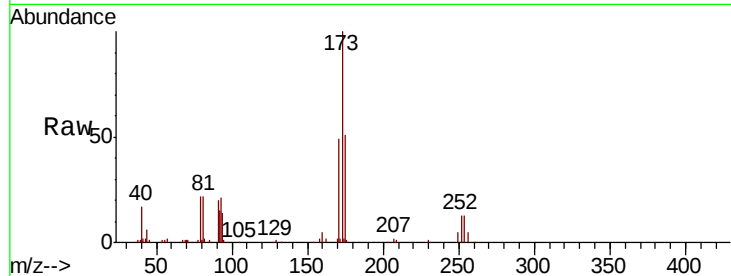
#71
Bromoform
Concen: 20.650 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.3
254	0.0	0.2	0.2

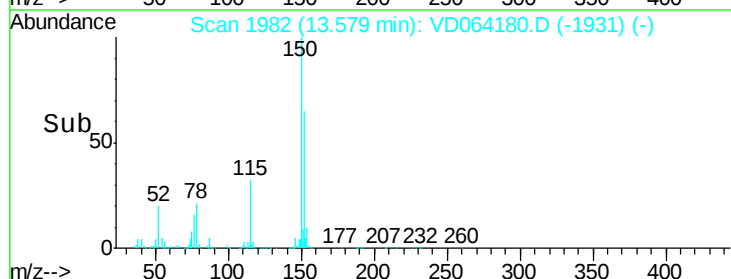
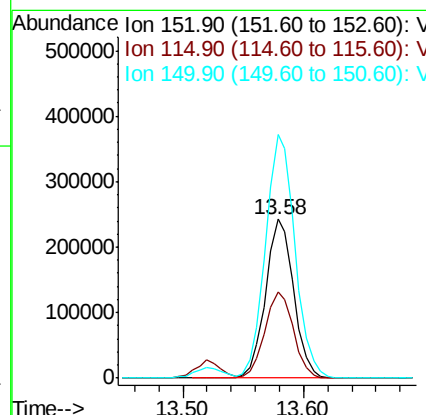
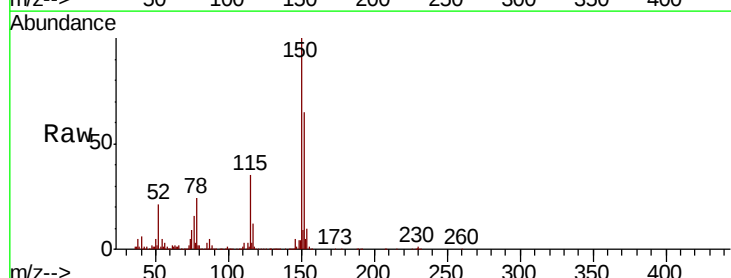
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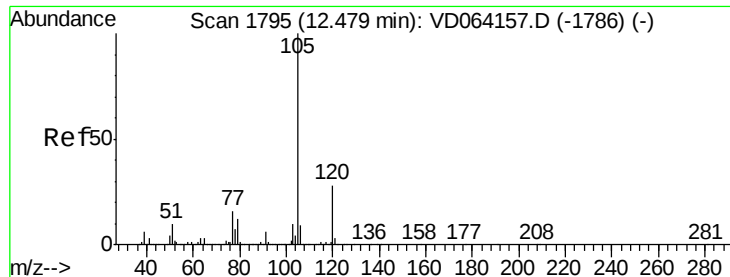
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.4	82.2
150	161.0	0.0	351.6





#73

Isopropylbenzene

Concen: 18.860 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 105 Resp: 544564

Ion Ratio Lower Upper

105 100

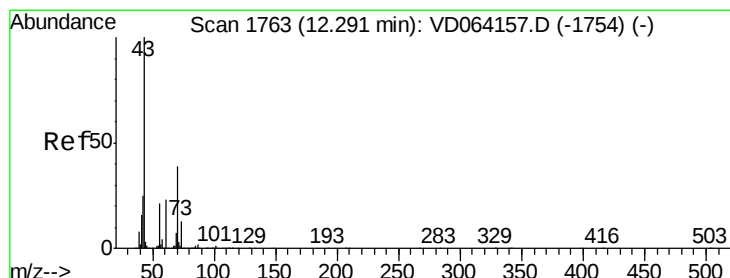
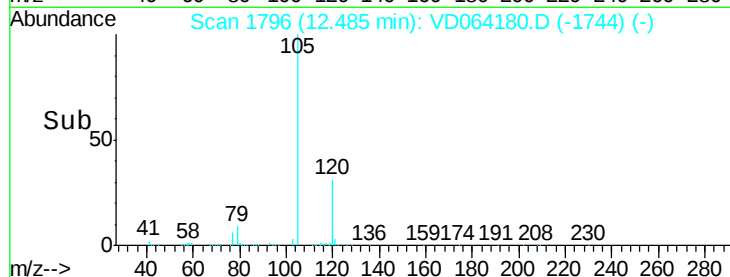
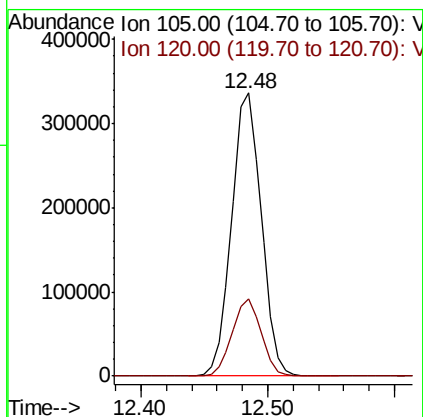
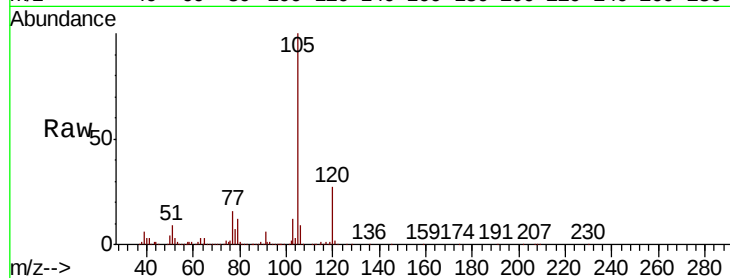
120 26.7 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.071 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion: 43 Resp: 143669

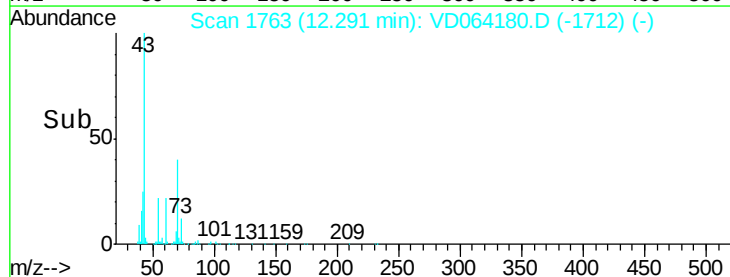
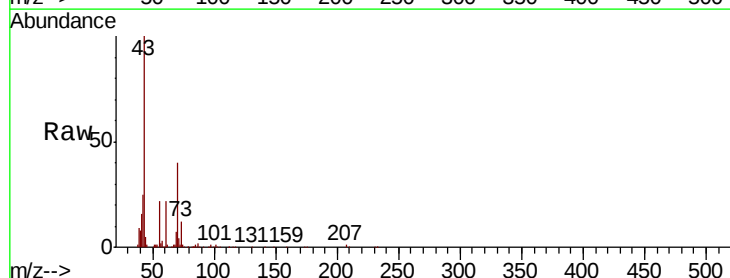
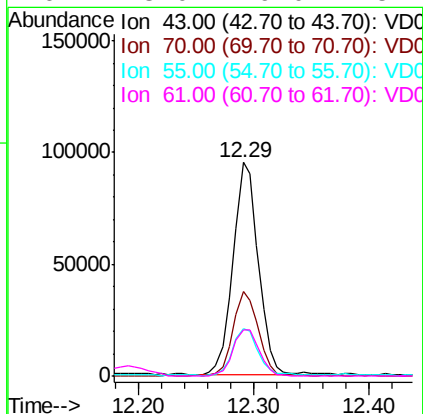
Ion Ratio Lower Upper

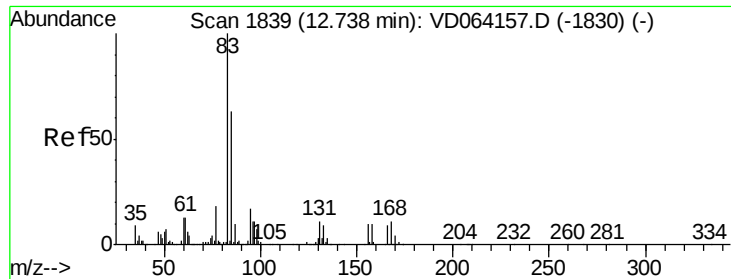
43 100

70 40.0 32.4 48.6

55 22.5 17.9 26.9

61 23.0 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.895 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

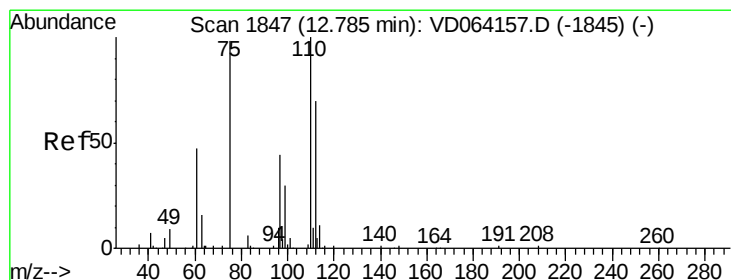
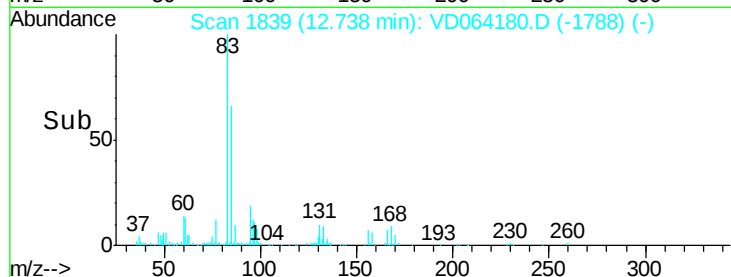
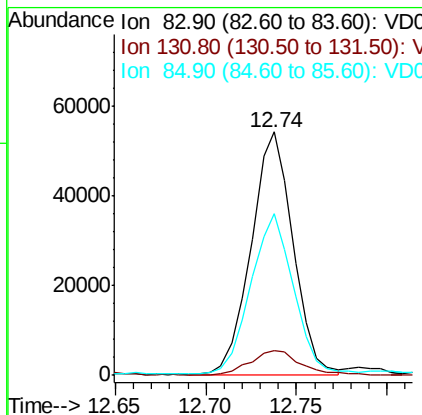
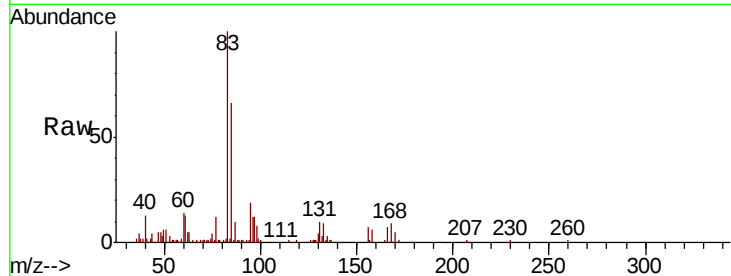
ClientSampleId :

VD1111SBS01

Tot Ion:	83	Resp:	86556
Ion Ratio	Lower	Upper	
83	100		
131	12.8	5.9	17.7
85	67.9	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.463 ug/l m

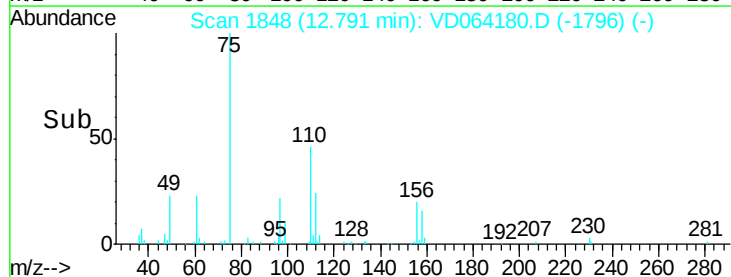
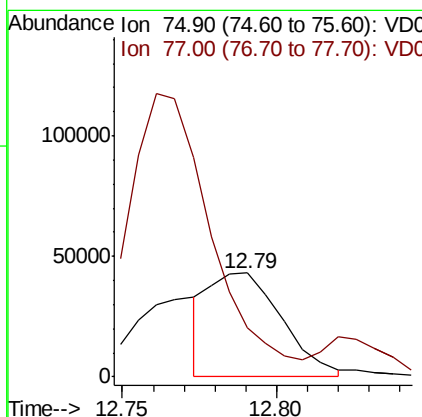
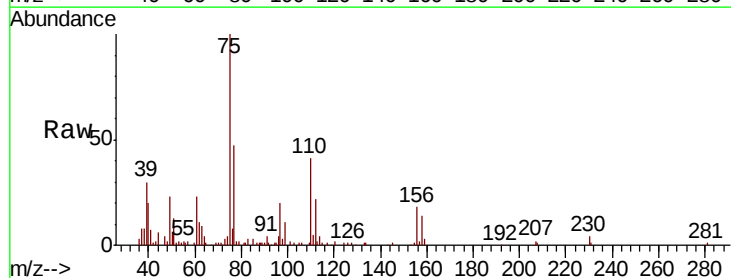
RT: 12.79 min Scan# 1848

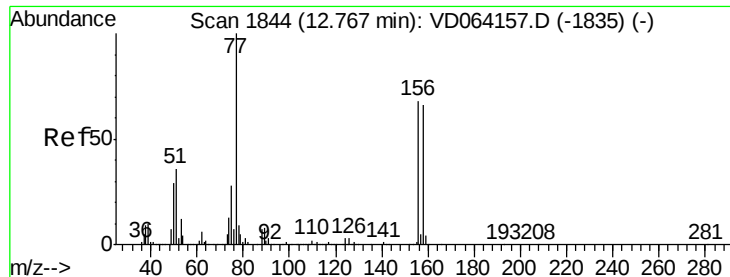
Delta R.T. 0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion:	75	Resp:	71176
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.409 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

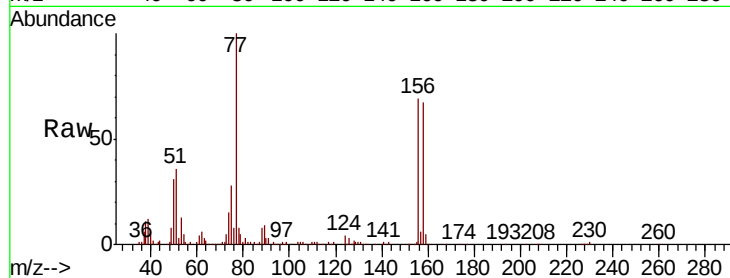
ClientSampleId :

VD1111SBS01

Tot Ion:	156	Resp:	136146
Ion Ratio	Lower	Upper	
156	100		
77	166.2	81.2	243.4
158	96.8	48.4	145.2

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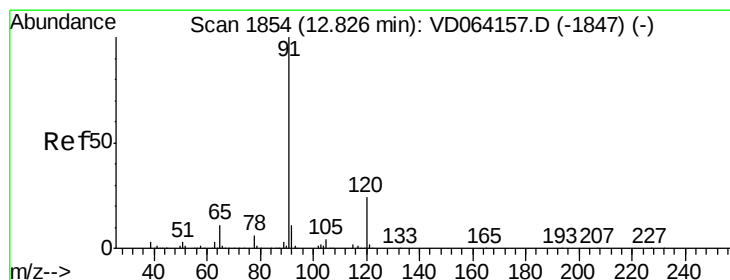
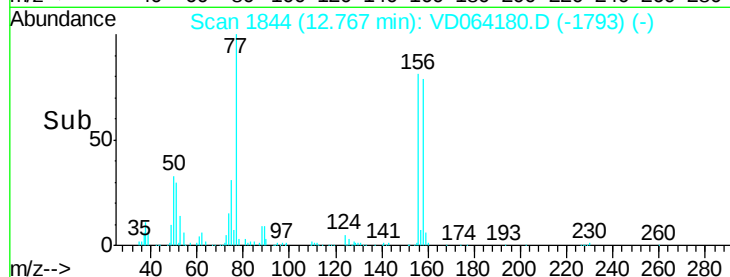
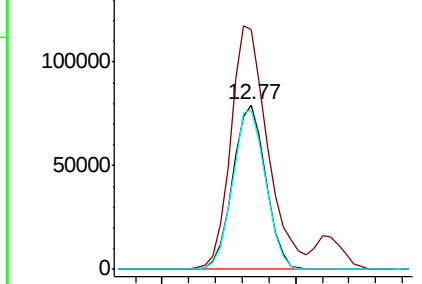
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.949 ug/l

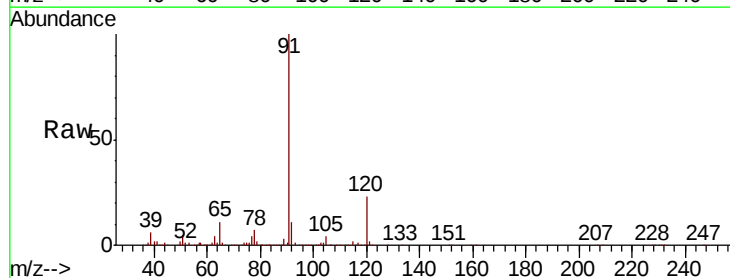
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064180.D

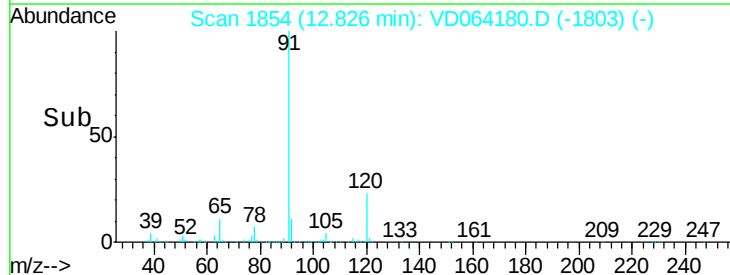
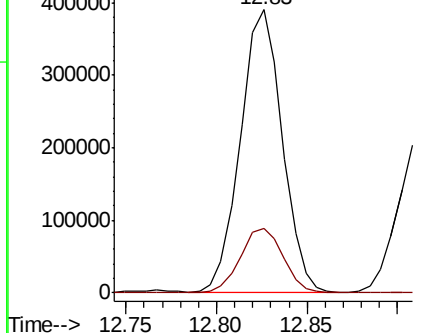
Acq: 11 Nov 2019 16:16

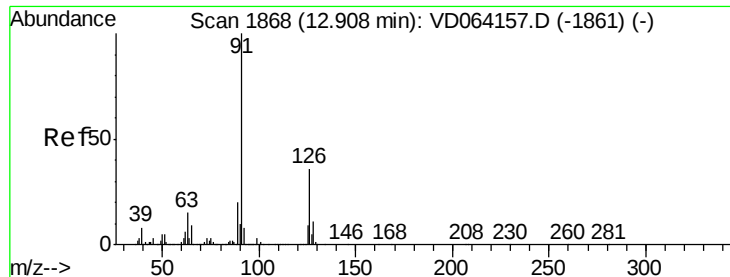
Tgt Ion:	91	Resp:	625098
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.022 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 91 Resp: 354280

Ion Ratio Lower Upper

91 100

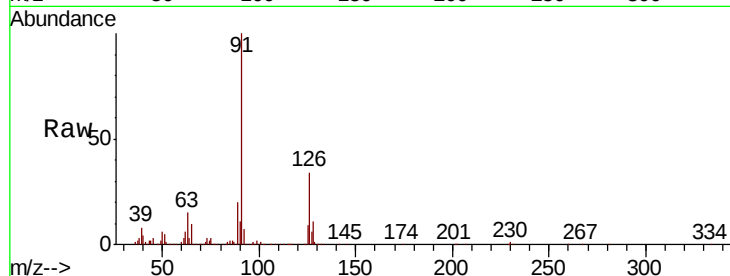
126 34.7 17.7 53.1

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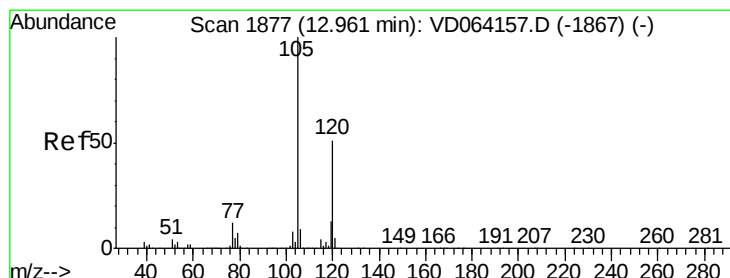
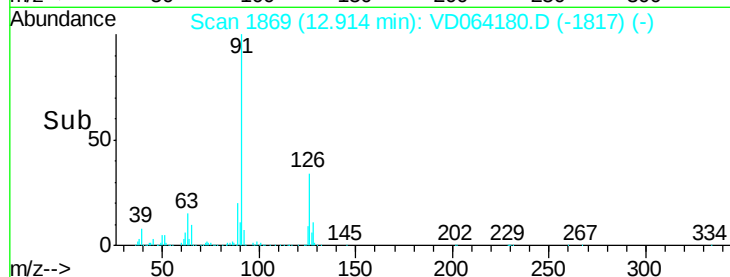
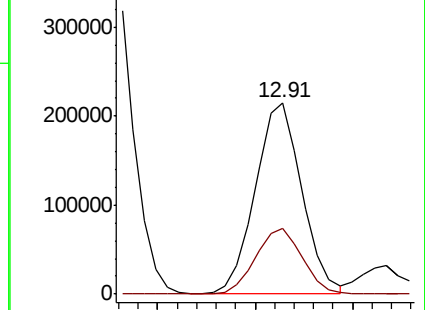
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.748 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064180.D

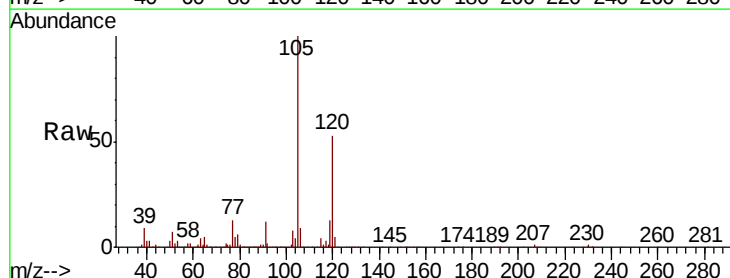
Acq: 11 Nov 2019 16:16

Tgt Ion: 105 Resp: 444796

Ion Ratio Lower Upper

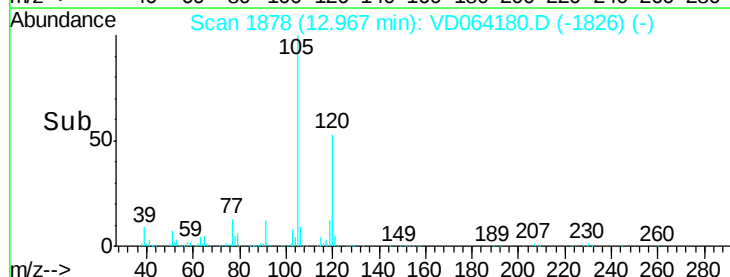
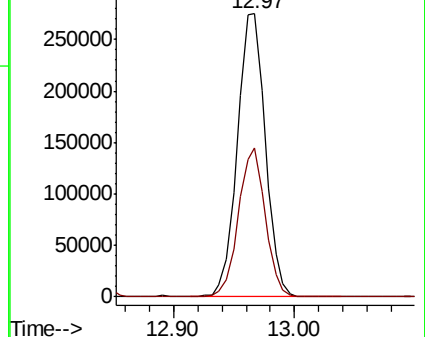
105 100

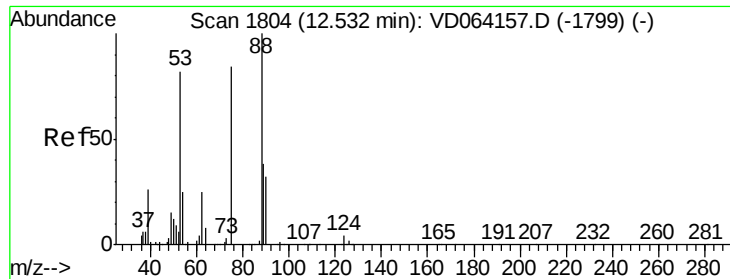
120 50.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





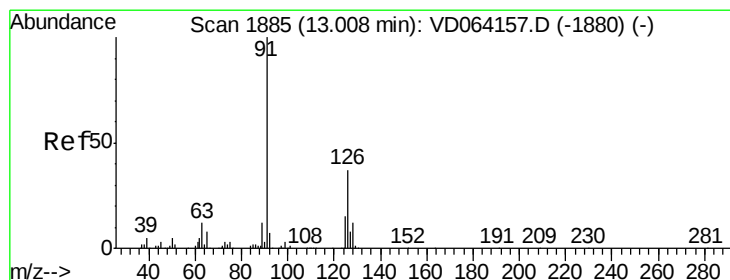
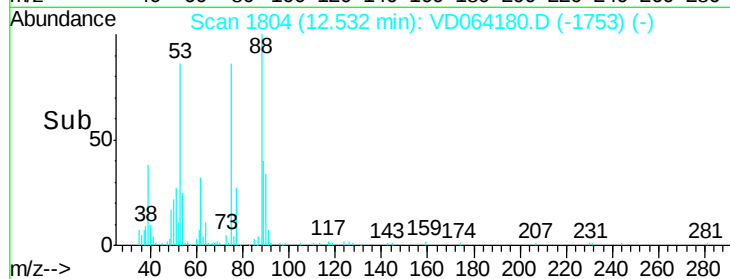
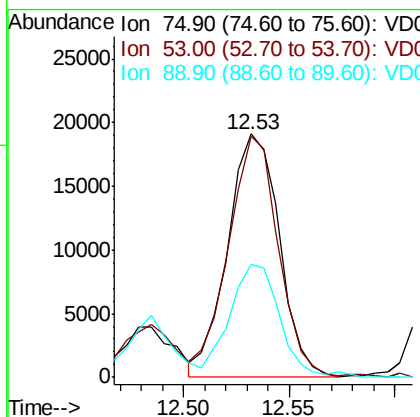
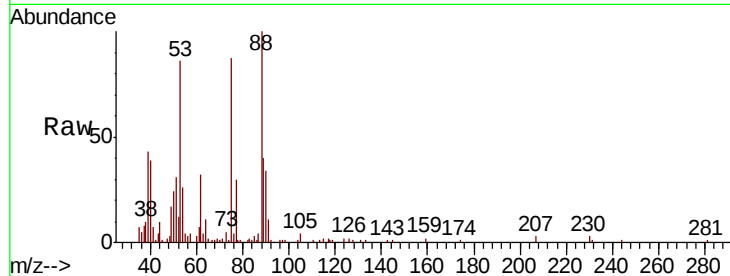
#81
trans-1,4-Dichloro-2-butene
Concen: 20.328 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	79.4	119.0
89	44.9	36.6	55.0

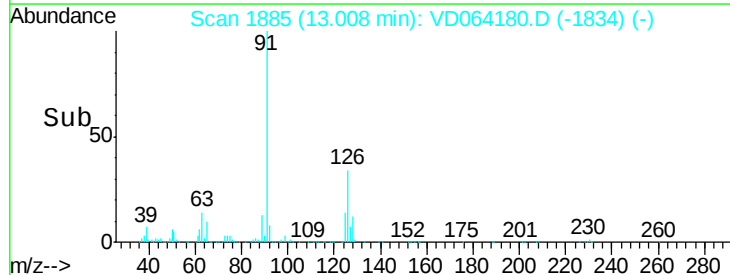
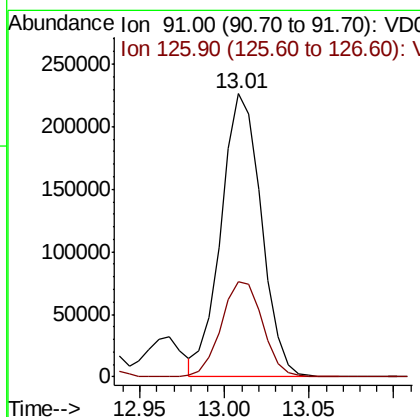
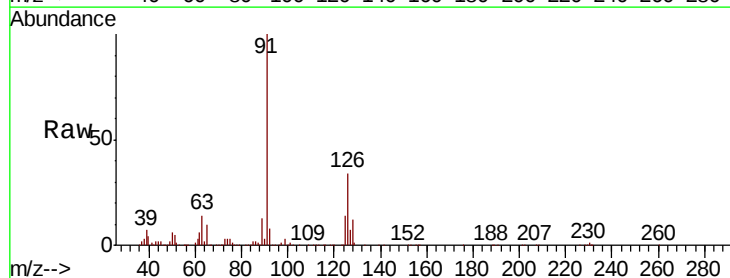
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#82
4-Chlorotoluene
Concen: 19.271 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.8	53.4





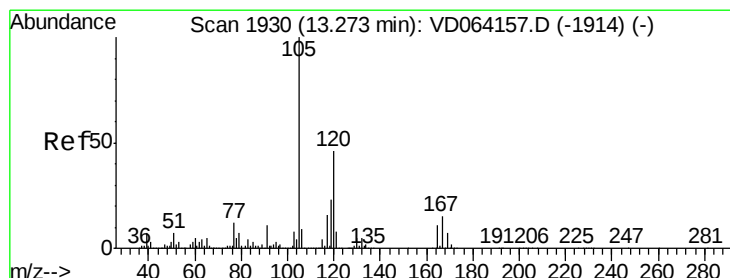
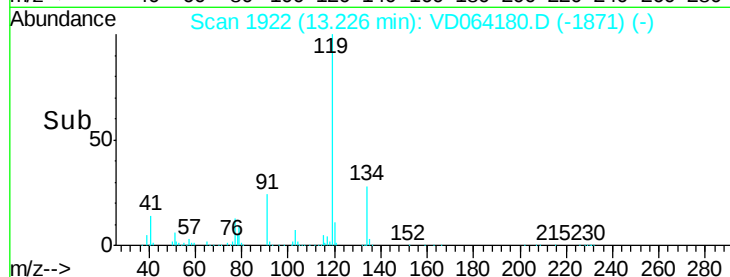
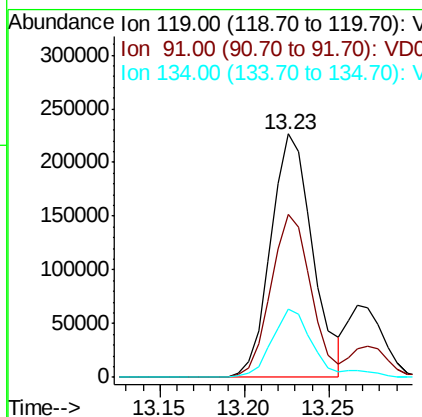
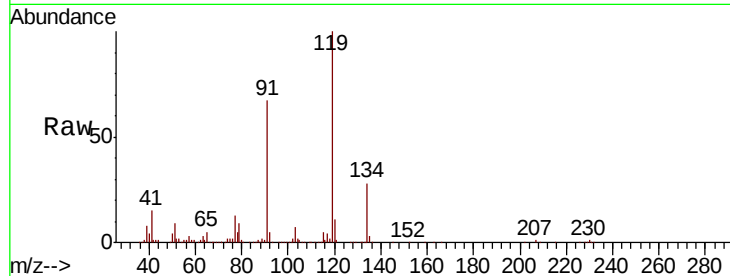
#83
tert-Butylbenzene
Concen: 18.664 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.8	95.4
134	28.1	13.7	41.0

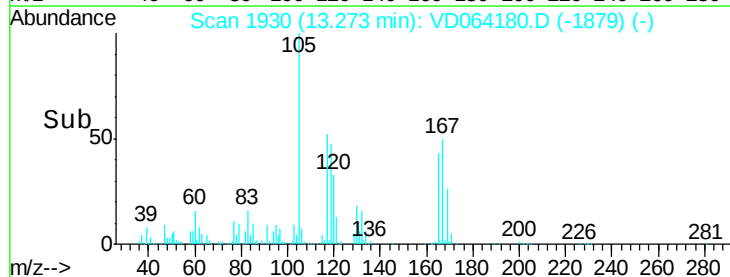
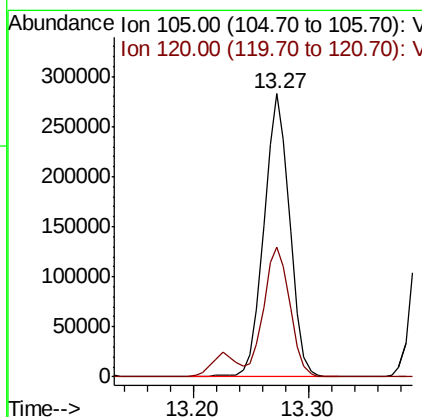
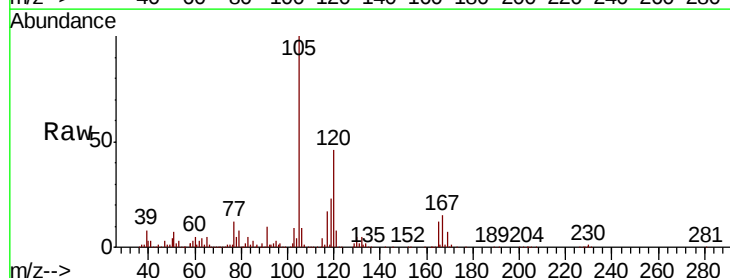
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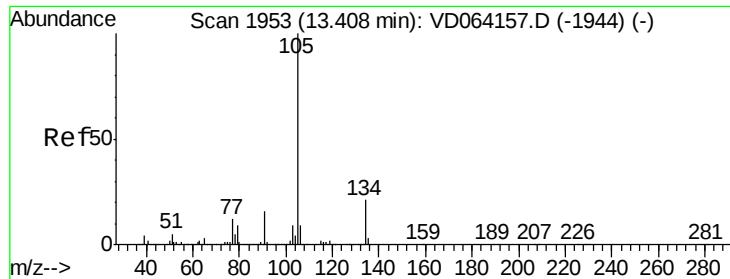
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#84
1,2,4-Trimethylbenzene
Concen: 18.702 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8





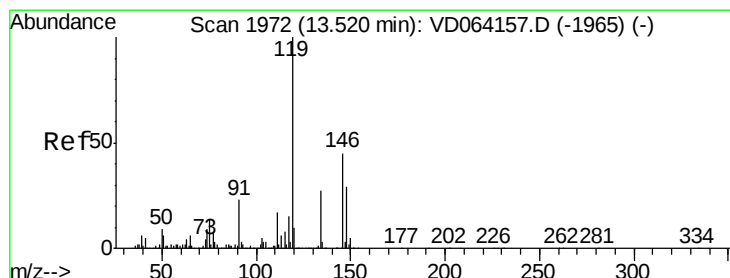
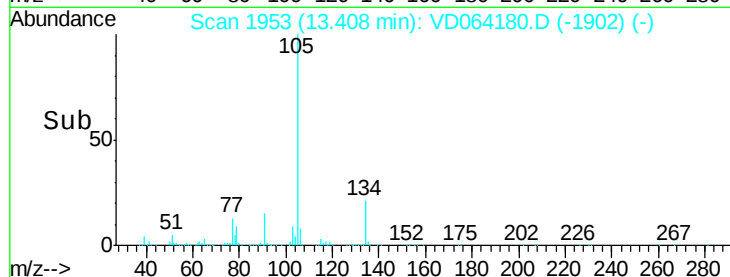
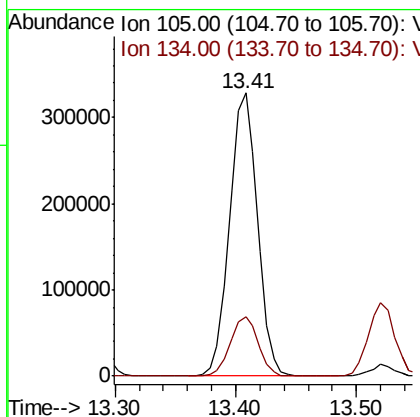
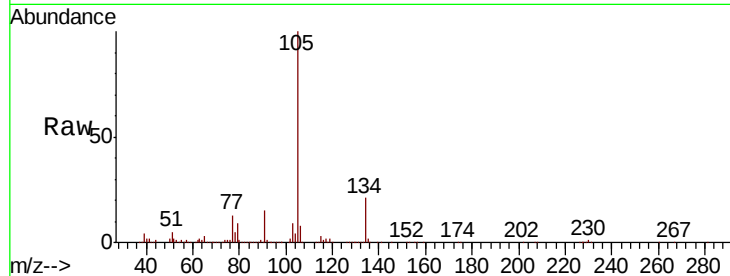
#85
 sec-Butylbenzene
 Concen: 18.788 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.7	31.9

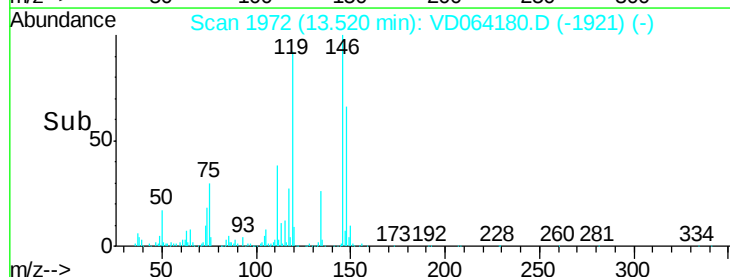
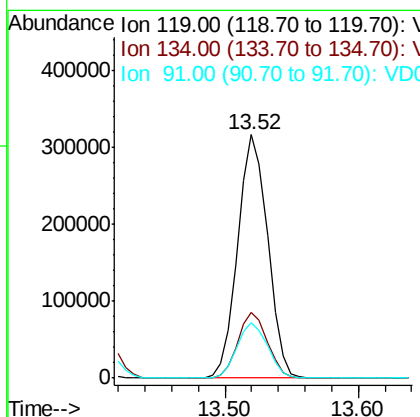
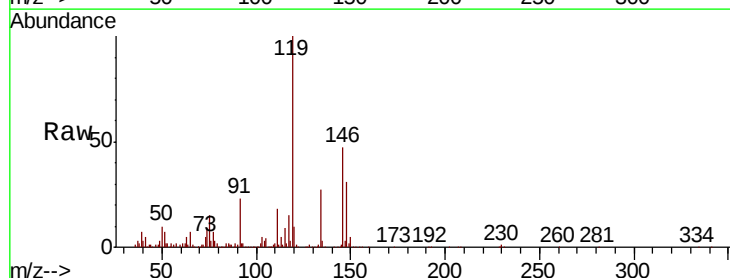
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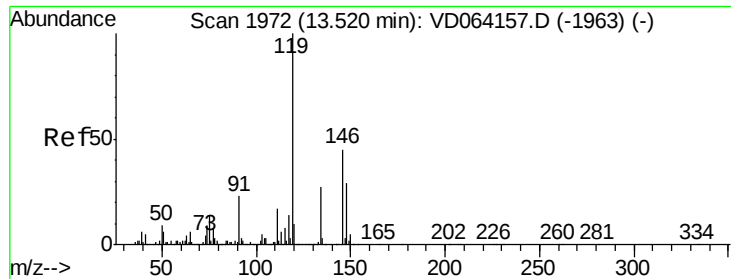
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#86
 p-Isopropyltoluene
 Concen: 18.416 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.5
91	23.4	11.5	34.4





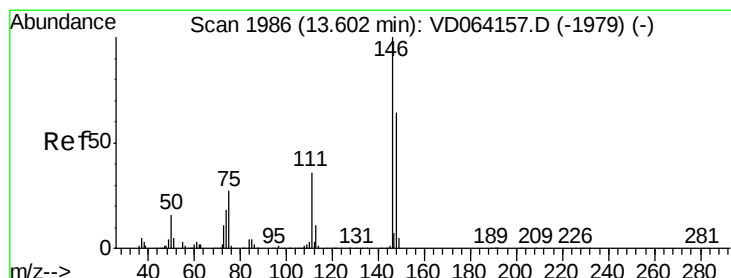
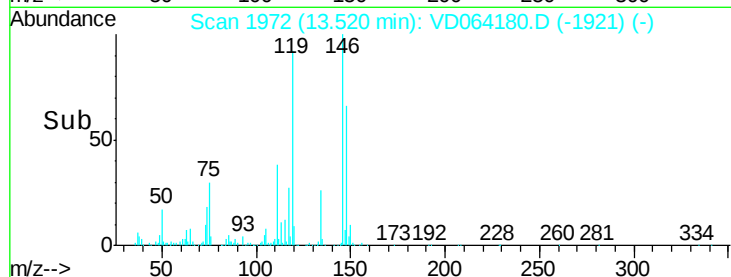
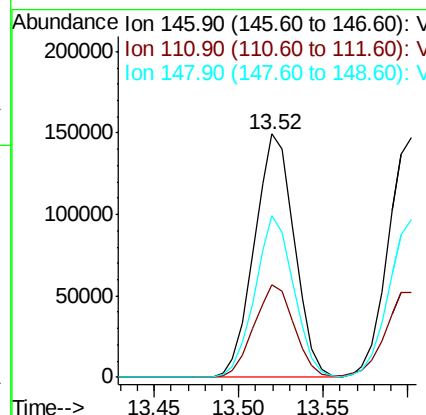
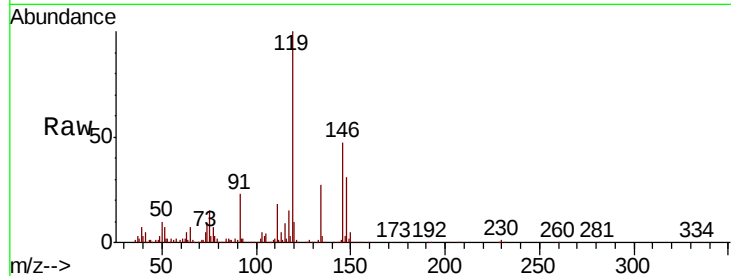
#87
 1,3-Dichlorobenzene
 Concen: 18.907 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	64.4	32.1	96.5

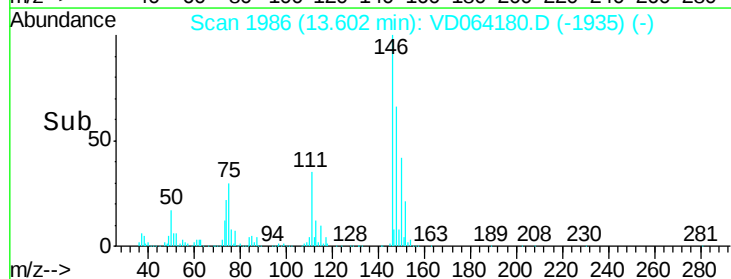
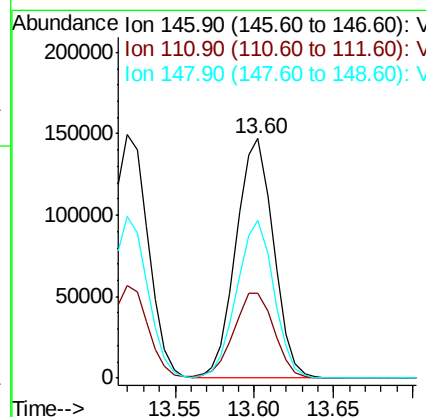
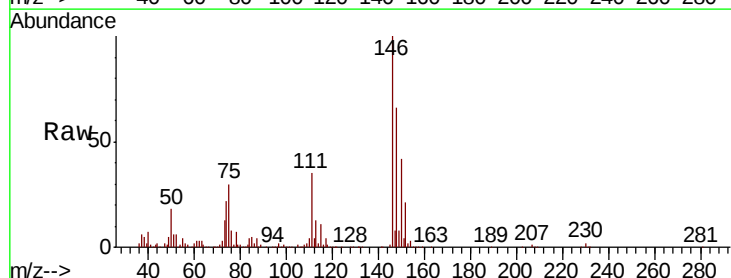
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#88
 1,4-Dichlorobenzene
 Concen: 18.997 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.4
148	65.5	31.9	95.7





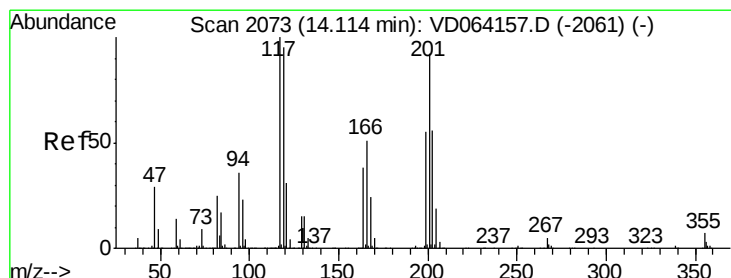
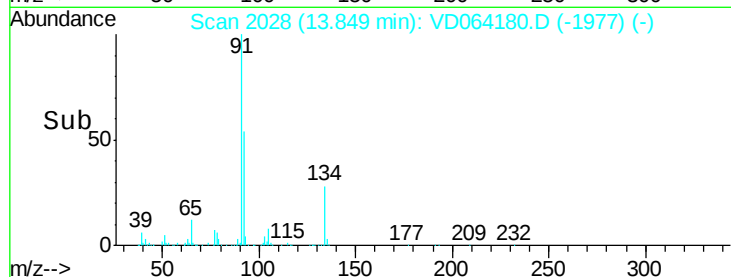
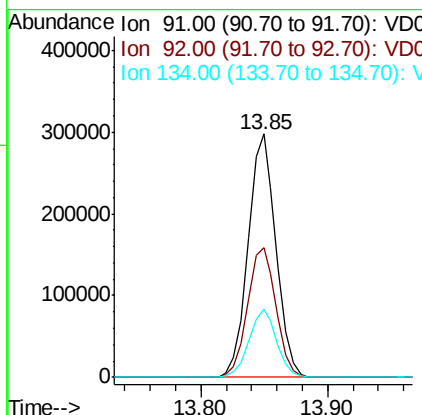
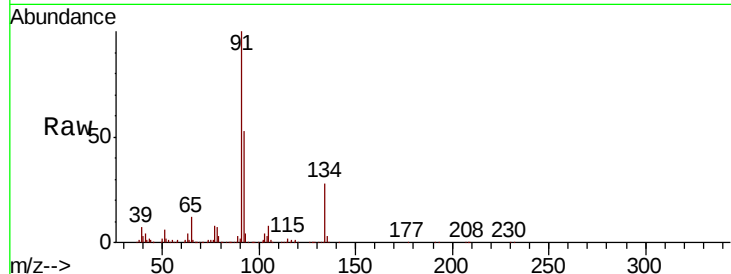
#89
n-Butylbenzene
Concen: 18.736 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleID :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.8
134	27.9	14.1	42.4

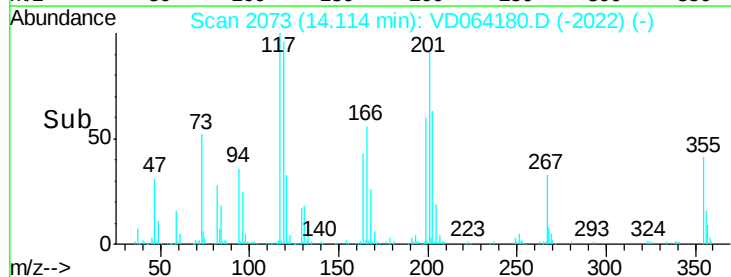
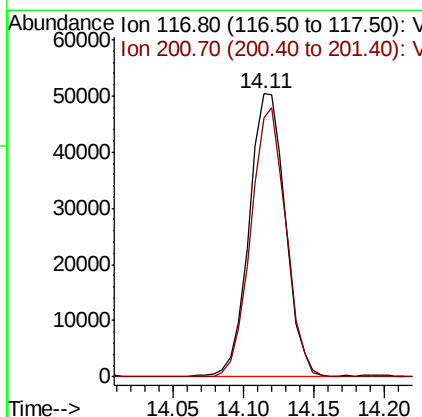
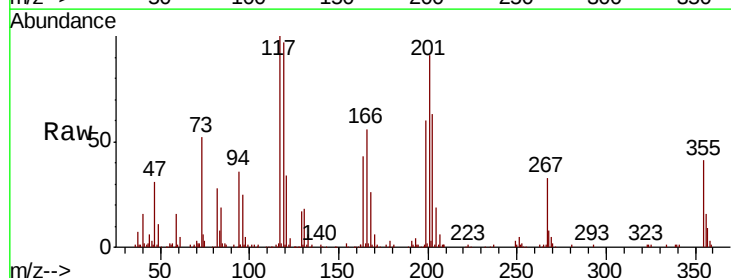
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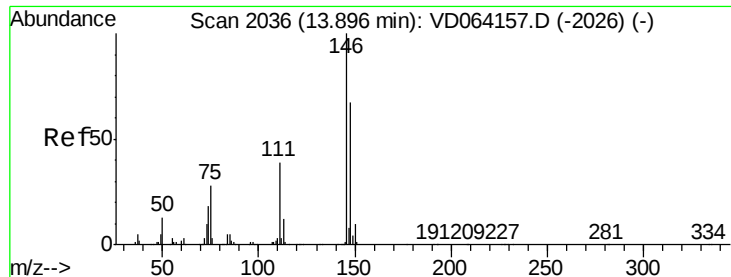
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#90
Hexachloroethane
Concen: 18.437 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	45.8	137.4





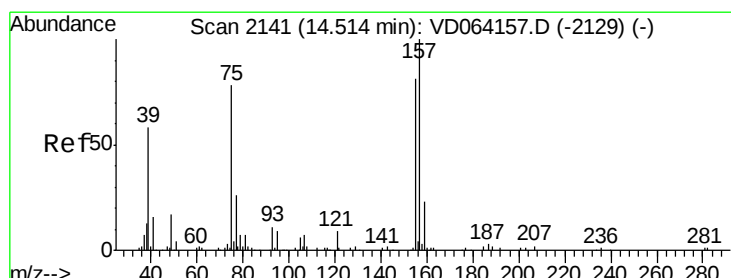
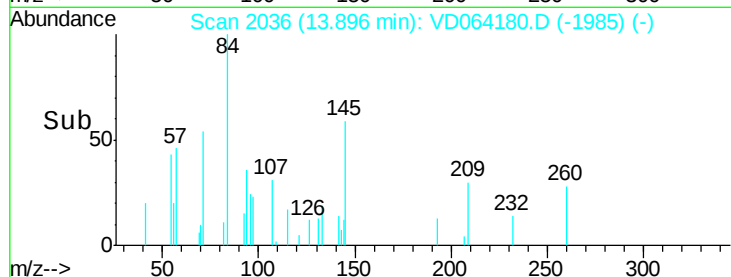
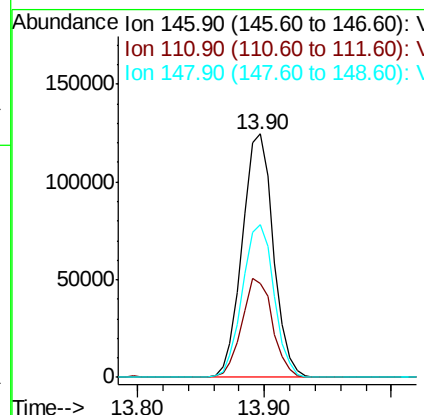
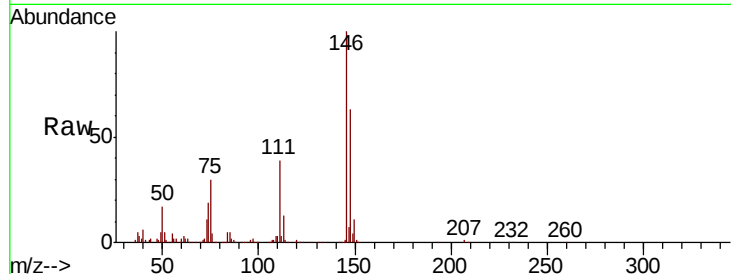
#91
 1,2-Dichlorobenzene
 Concen: 19.209 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	64.1	32.3	96.8

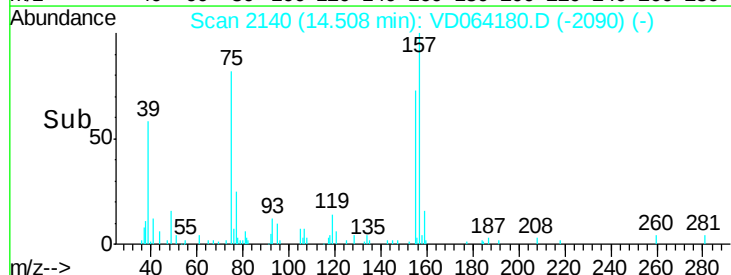
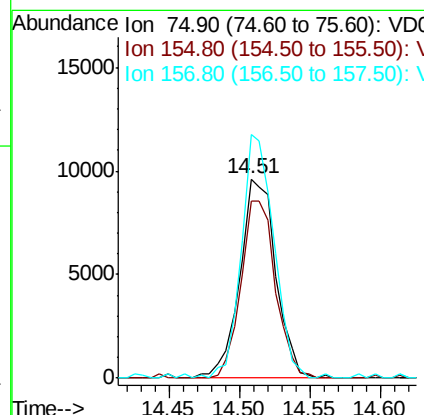
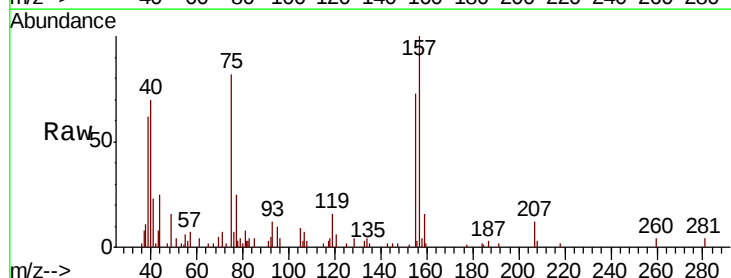
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.051 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	48.0	144.0
157	110.4	61.5	184.4





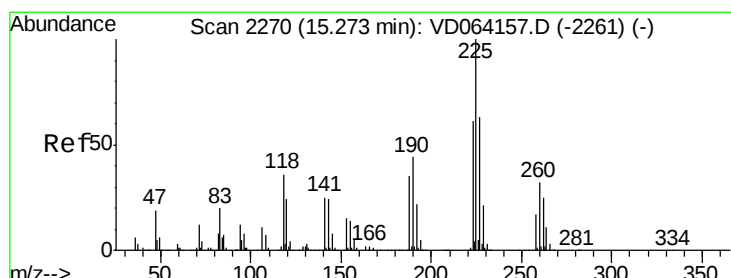
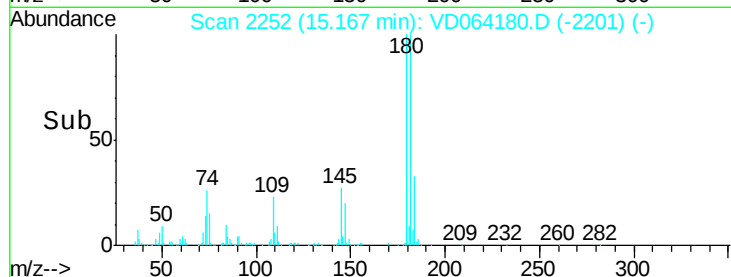
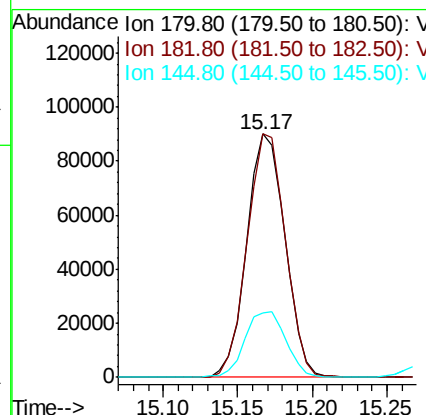
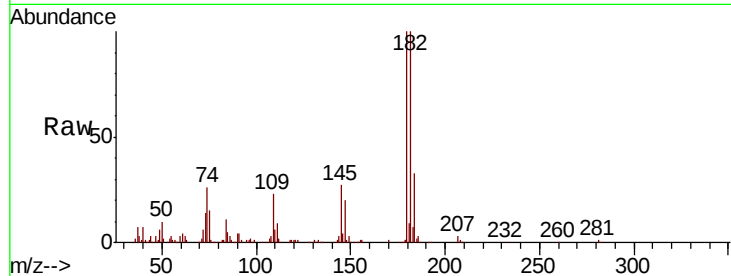
#93
 1,2,4-Trichlorobenzene
 Concen: 18.799 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159828		
182	99.5	47.5	142.5	
145	28.8	14.2	42.6	

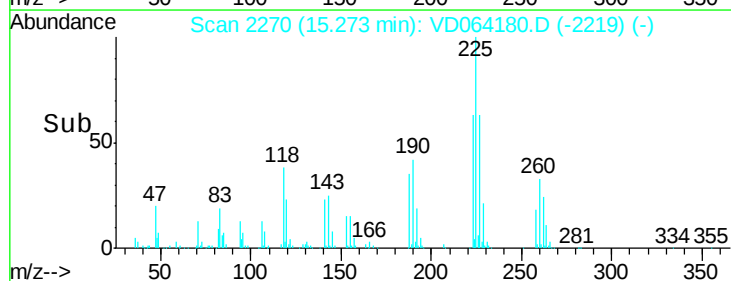
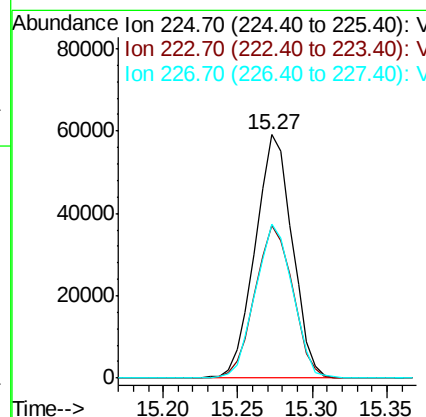
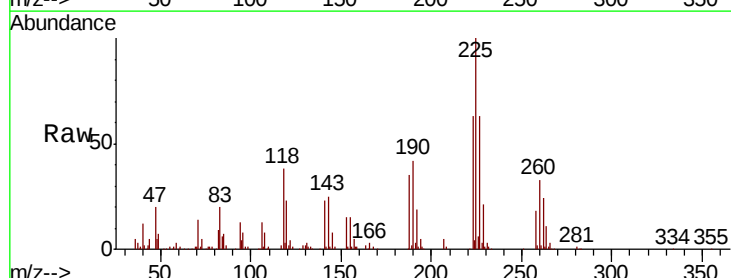
Manual Integrations
 APPROVED

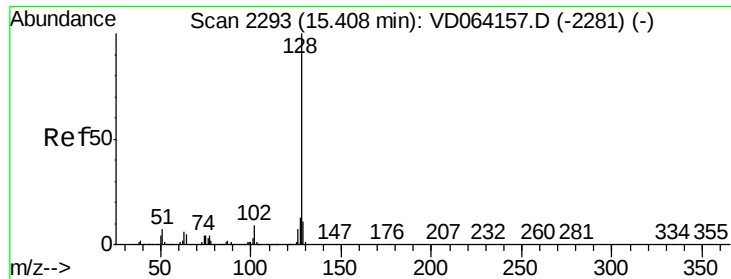
MMDadoda
 11/12/2019 10:25:49 AM



#94
 Hexachlorobutadiene
 Concen: 18.530 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101756		
223	63.9	31.1	93.3	
227	63.5	31.5	94.5	





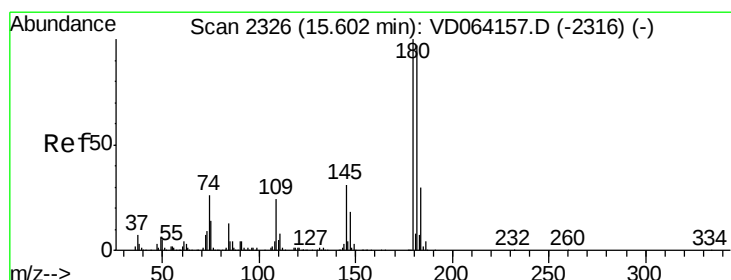
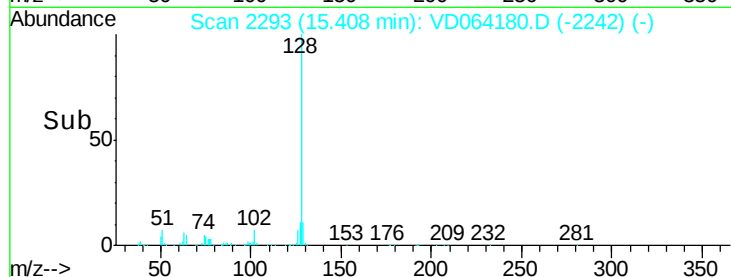
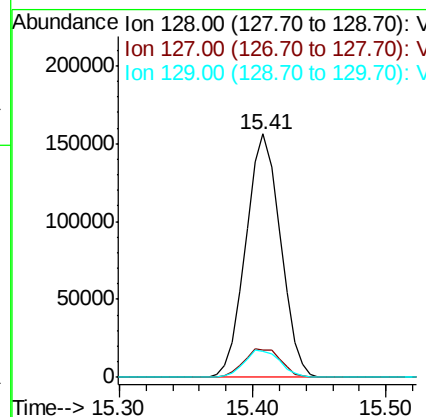
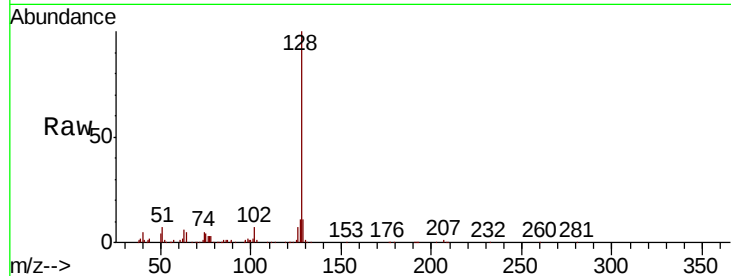
#95
Naphthalene
Concen: 20.155 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	280895		
127	12.9		10.5	15.7
129	11.6		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.142 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	138341		
182	97.3		48.3	144.9
145	31.2		15.3	45.8

