

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064711.D
 Acq On : 02 Jan 2020 12:10
 Operator : VA/SY
 Sample : VD0102SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:10:20 AM

Quant Time: Jan 03 00:34:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	429035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	620305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	543887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190703	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	7.92	113	195432	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.34	98	747289	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.64	95	239383	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66629	19.983	ug/l	94
3) Chloromethane	2.21	50	95624	20.506	ug/l	96
4) Vinyl Chloride	2.35	62	117957	20.747	ug/l	96
5) Bromomethane	2.76	94	86583	20.944	ug/l	96
6) Chloroethane	2.92	64	78039	20.484	ug/l	98
7) Trichlorofluoromethane	3.27	101	200626	20.957	ug/l	98
8) Diethyl Ether	3.70	74	39657	20.861	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81630	20.589	ug/l	99
10) Methyl Iodide	4.29	142	88688	20.825	ug/l	99
11) Tert butyl alcohol	5.24	59	21533	99.315	ug/l	98
12) 1,1-Dichloroethene	4.06	96	78117	20.695	ug/l	91
13) Acrolein	3.93	56	25082	83.008	ug/l	99
14) Allyl chloride	4.70	41	123210	20.936	ug/l	99
15) Acrylonitrile	5.43	53	81647	103.109	ug/l	99
16) Acetone	4.17	43	85213	102.257	ug/l #	87
17) Carbon Disulfide	4.40	76	245185	20.089	ug/l	99
18) Methyl Acetate	4.73	43	44374	20.834	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	172901	20.623	ug/l	99
20) Methylene Chloride	4.97	84	92702	21.138	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	89472	20.814	ug/l	97
22) Diisopropyl ether	6.37	45	247838	21.114	ug/l	98
23) Vinyl Acetate	6.31	43	683503	102.649	ug/l	100
24) 1,1-Dichloroethane	6.27	63	148609	21.089	ug/l	98
25) 2-Butanone	7.22	43	106347	102.266	ug/l	94
26) 2,2-Dichloropropane	7.21	77	136654	20.857	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	97985	21.121	ug/l	99
28) Bromochloromethane	7.55	49	50165	18.313	ug/l	98
29) Tetrahydrofuran	7.57	42	64818	100.230	ug/l	99
30) Chloroform	7.71	83	156703	21.195	ug/l	97
31) Cyclohexane	7.98	56	142902	20.259	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	145858	21.004	ug/l	99
36) 1,1-Dichloropropene	8.11	75	121308	20.318	ug/l	99
37) Ethyl Acetate	7.30	43	48784	20.799	ug/l	98
38) Carbon Tetrachloride	8.09	117	131721	20.691	ug/l	97

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Manual Integrations
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Quant Time: Jan 03 00:34:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	146999	20.328	ug/l	97
40) Benzene	8.35	78	334194	20.504	ug/l	94
41) Methacrylonitrile	7.53	41	24179	17.768	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	100658	21.372	ug/l	98
43) Isopropyl Acetate	8.46	43	94714	20.288	ug/l	98
44) Trichloroethene	9.11	130	99918	20.868	ug/l	91
45) 1,2-Dichloropropane	9.39	63	81846	21.032	ug/l	99
46) Dibromomethane	9.47	93	45715	21.070	ug/l	100
47) Bromodichloromethane	9.66	83	118293	20.489	ug/l	95
48) Methyl methacrylate	9.46	41	44176	20.097	ug/l	93
49) 1,4-Dioxane	9.47	88	9542	381.413	ug/l	87
51) 4-Methyl-2-Pentanone	10.23	43	229210	99.331	ug/l	99
52) Toluene	10.40	92	221308	20.696	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	112668	20.932	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	132663	20.902	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	59864	20.474	ug/l	92
56) Ethyl methacrylate	10.66	69	73852	20.224	ug/l	99
57) 1,3-Dichloropropane	10.95	76	105013	20.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	148351	106.631	ug/l	100
59) 2-Hexanone	10.98	43	156384	99.851	ug/l	99
60) Dibromochloromethane	11.14	129	83186	20.573	ug/l	99
61) 1,2-Dibromoethane	11.25	107	58173	20.171	ug/l	99
64) Tetrachloroethene	10.88	164	84564	20.266	ug/l	97
65) Chlorobenzene	11.67	112	233788	20.711	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	89724	21.084	ug/l	98
67) Ethyl Benzene	11.75	91	421667	20.580	ug/l	99
68) m/p-Xylenes	11.86	106	318932	40.329	ug/l	96
69) o-Xylene	12.18	106	147696	20.677	ug/l	99
70) Styrene	12.20	104	255845	20.405	ug/l	99
71) Bromoform	12.36	173	49902	20.563	ug/l #	99
73) Isopropylbenzene	12.48	105	401223	20.859	ug/l	99
74) N-amyl acetate	12.29	43	82967	20.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62548	20.700	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	46443m	21.851	ug/l	
77) Bromobenzene	12.77	156	101621	21.501	ug/l	96
78) n-propylbenzene	12.83	91	473977	21.122	ug/l	98
79) 2-Chlorotoluene	12.91	91	254760	20.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	327396	20.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20980	20.645	ug/l	99
82) 4-Chlorotoluene	13.01	91	274091	20.894	ug/l	99
83) tert-Butylbenzene	13.23	119	283487	20.664	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	331963	21.095	ug/l	97
85) sec-Butylbenzene	13.41	105	392904	20.891	ug/l	98
86) p-Isopropyltoluene	13.53	119	372482	20.712	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	186719	20.724	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	183263	20.705	ug/l	99
89) n-Butylbenzene	13.85	91	336803	20.797	ug/l	100
90) Hexachloroethane	14.12	117	70442	20.506	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	158811	20.671	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10208	20.840	ug/l	95

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ClientSampleId :
VD0102SBSD01

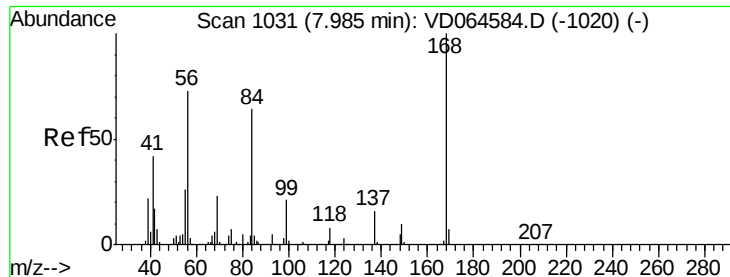
Manual Integrations
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1/3/2020 11:10:20 AM

Quant Time: Jan 03 00:34:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114695	20.275	ug/l	98
94) Hexachlorobutadiene	15.28	225	70130	19.701	ug/l	97
95) Naphthalene	15.41	128	185291	20.705	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	97476	20.184	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion:168 Resp: 429035

Ion Ratio Lower Upper

168 100

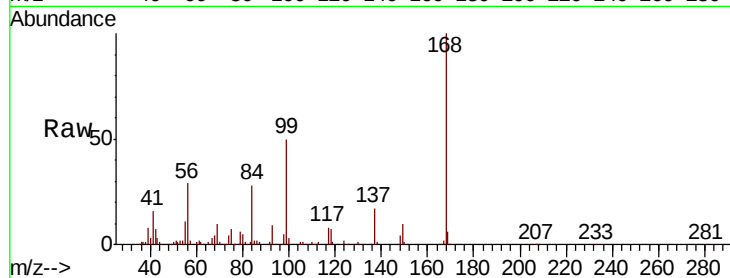
99 49.6 41.8 62.6

Manual Integrations

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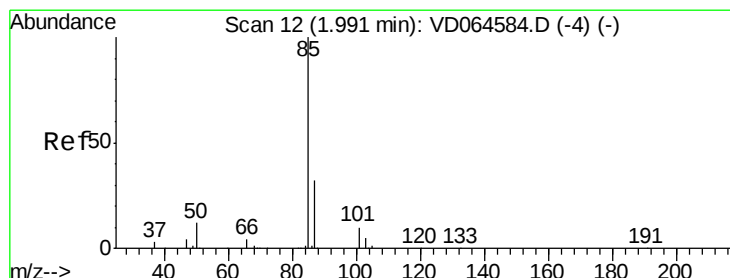
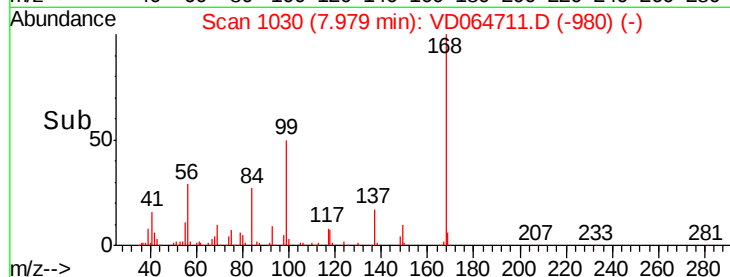
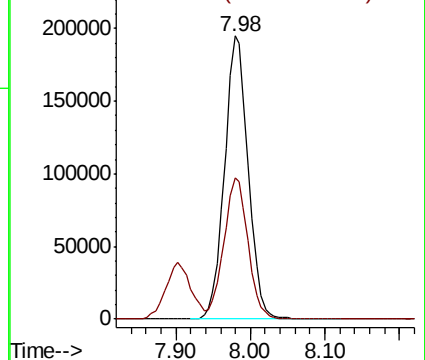
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.983 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064711.D

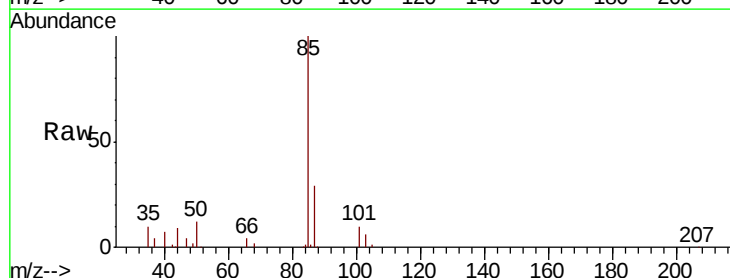
Acq: 02 Jan 2020 12:10

Tgt Ion: 85 Resp: 66629

Ion Ratio Lower Upper

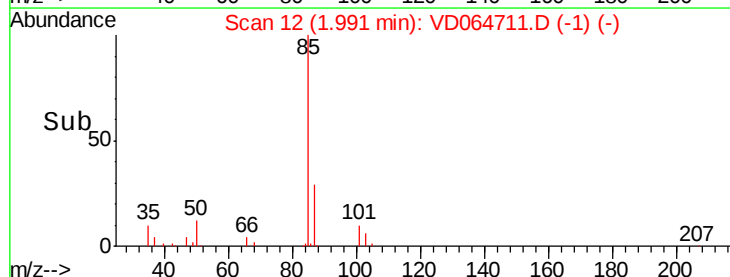
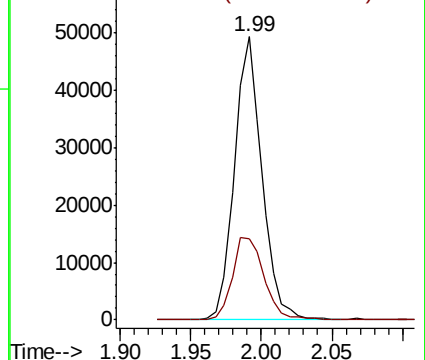
85 100

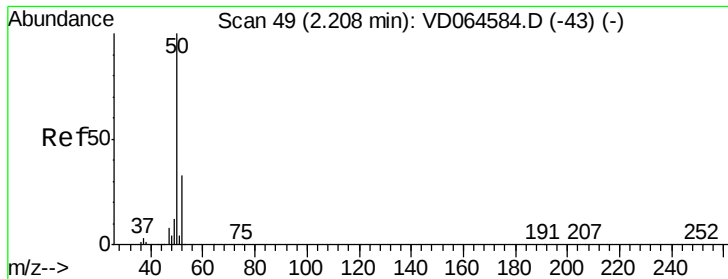
87 28.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.506 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 50 Resp: 95624

Ion Ratio Lower Upper

50 100

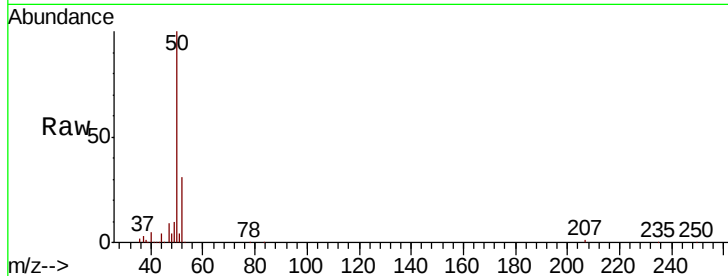
52 30.8 26.5 39.7

Manual Integrations

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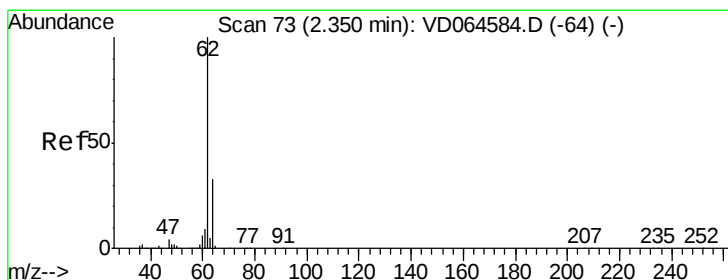
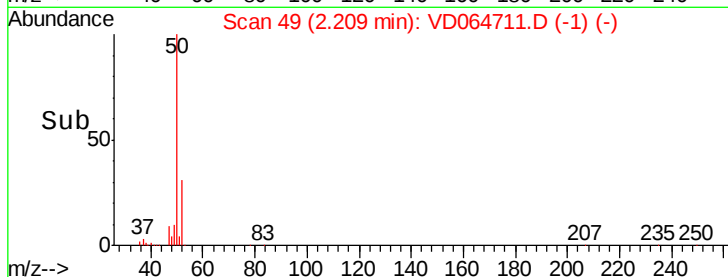
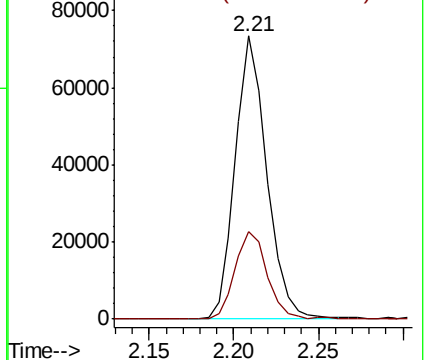
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.747 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064711.D

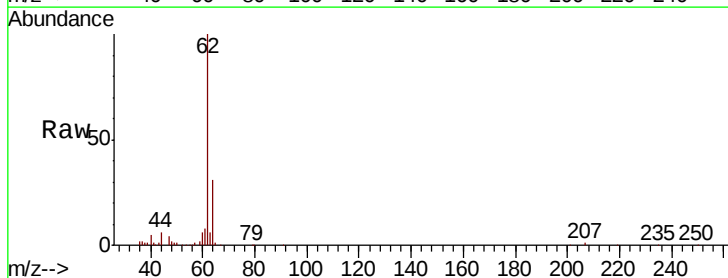
Acq: 02 Jan 2020 12:10

Tgt Ion: 62 Resp: 117957

Ion Ratio Lower Upper

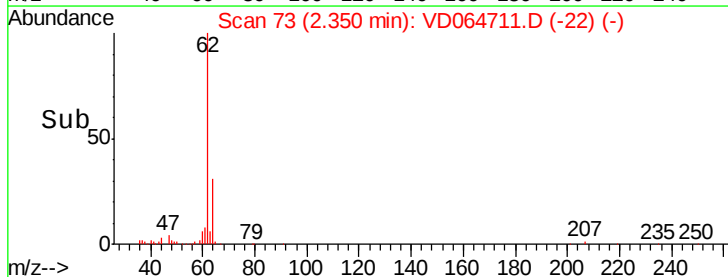
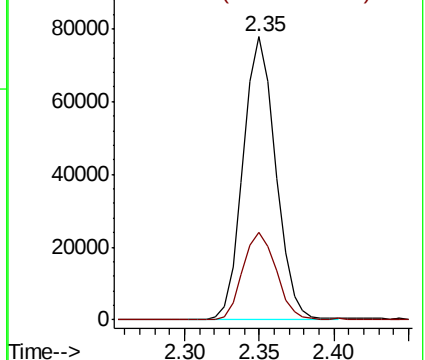
62 100

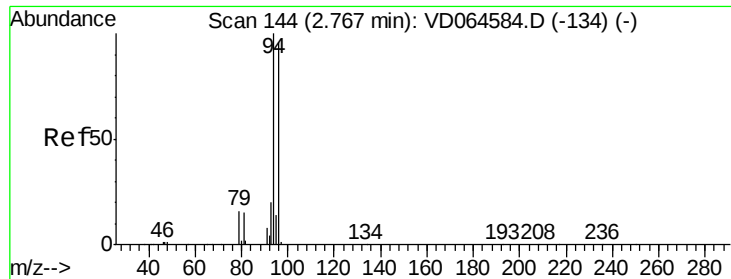
64 30.8 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.944 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 94 Resp: 86583

Ion Ratio Lower Upper

94 100

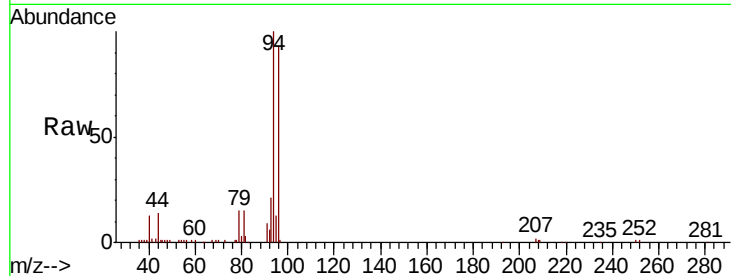
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Manual Integrations

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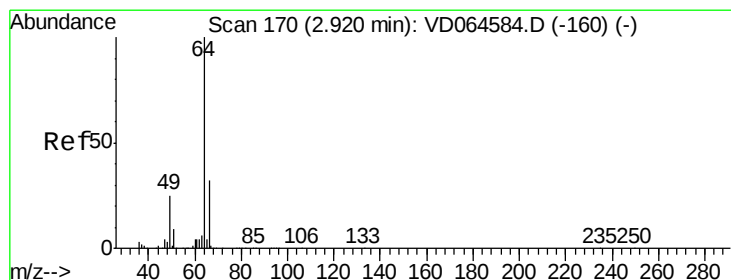
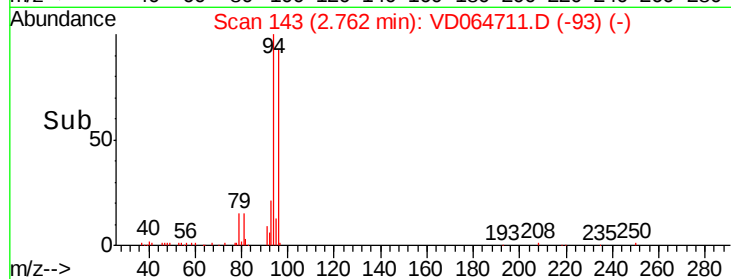
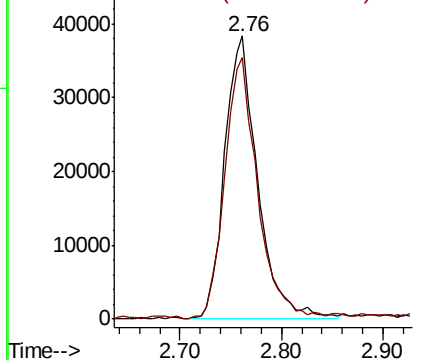
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.484 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064711.D

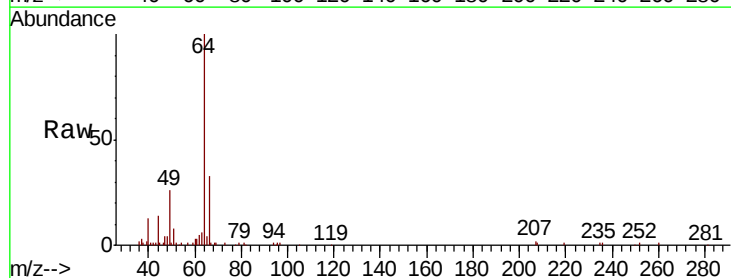
Acq: 02 Jan 2020 12:10

Tgt Ion: 64 Resp: 78039

Ion Ratio Lower Upper

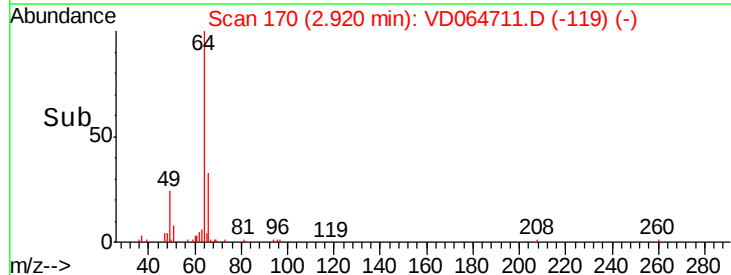
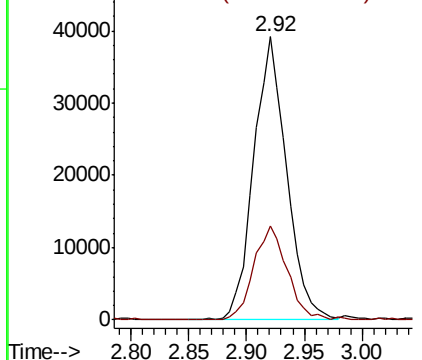
64 100

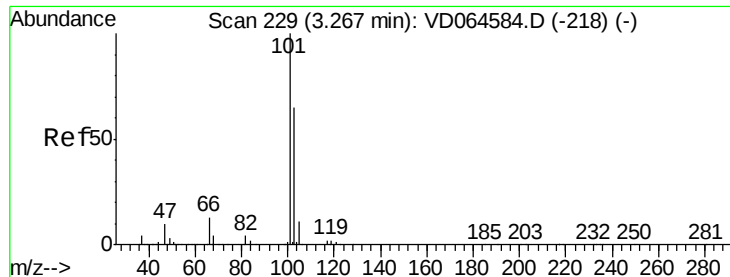
66 33.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

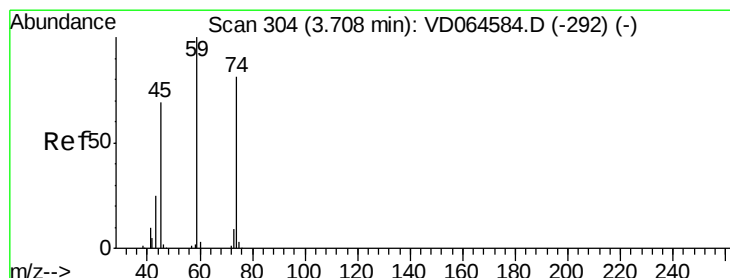
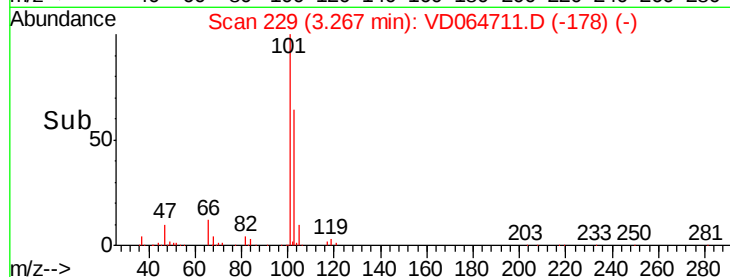
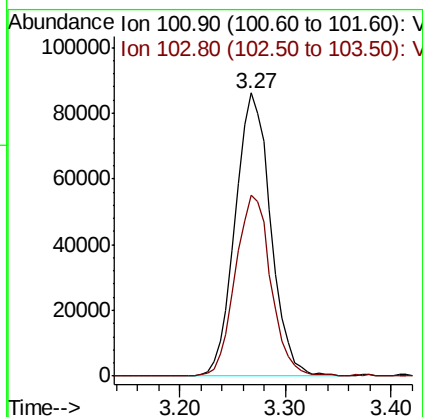
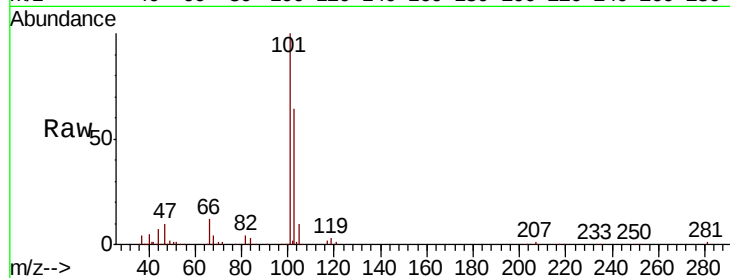
Trichlorofluoromethane
Concen: 20.957 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
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ClientSampleId :
VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.2	78.4

Manual Integrations
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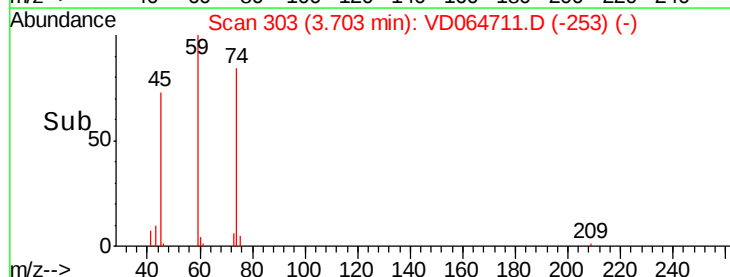
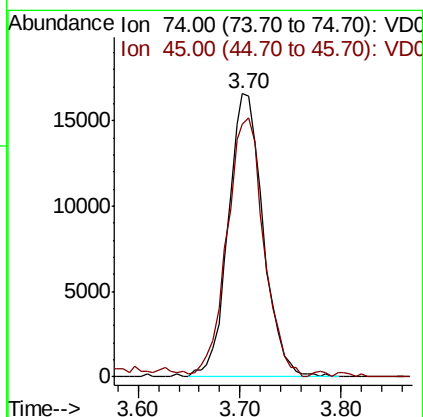
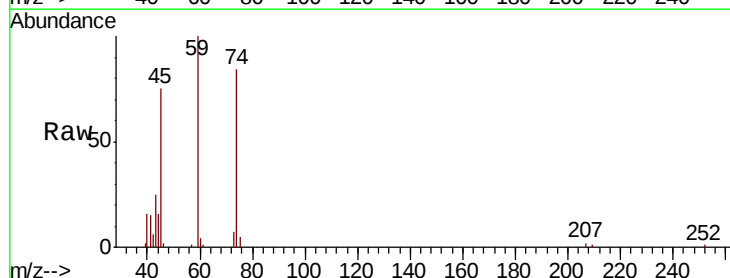
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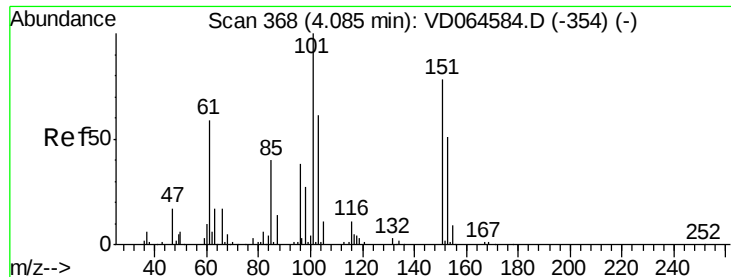


#8

Diethyl Ether
Concen: 20.861 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.589 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

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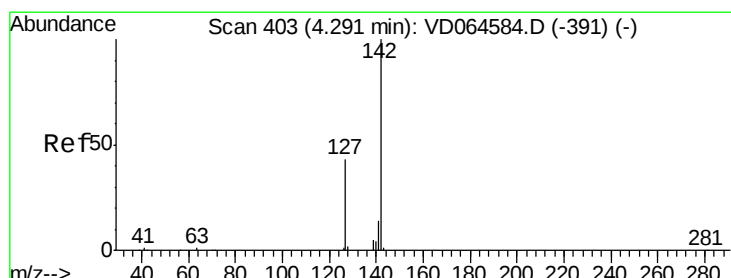
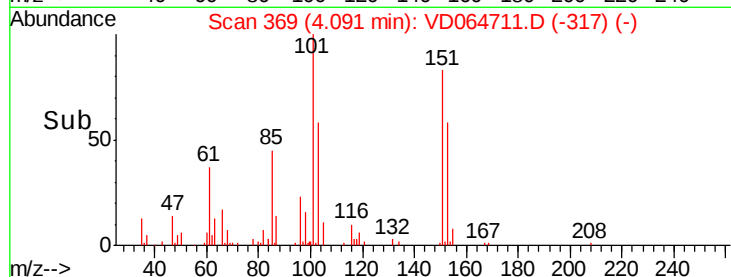
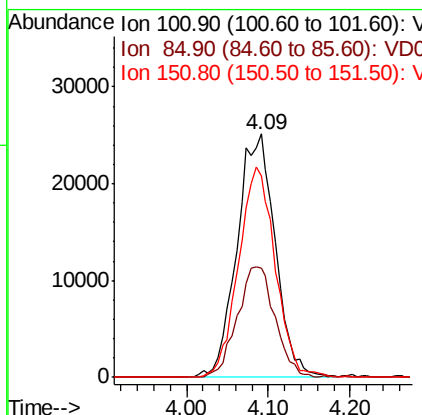
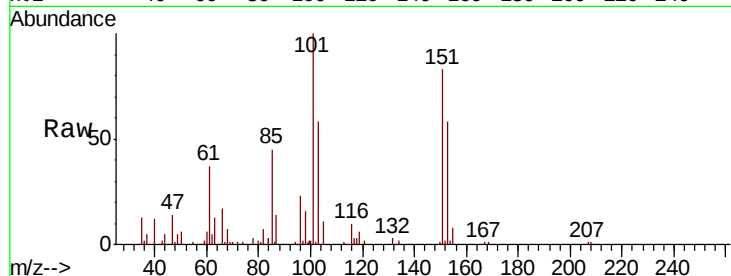
ClientSampleId :

VD0102SBS01

Tot Ion:	101	Resp:	81630
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.2	52.8
151	83.0	66.2	99.4

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#10

Methyl Iodide

Concen: 20.825 ug/l

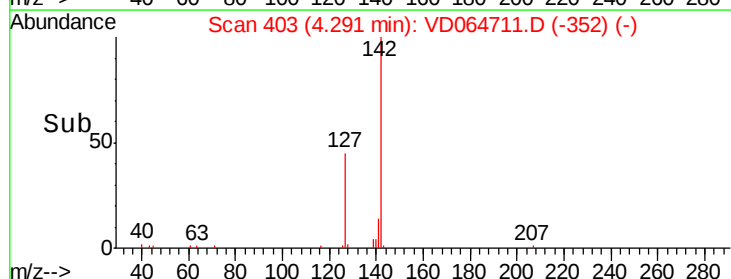
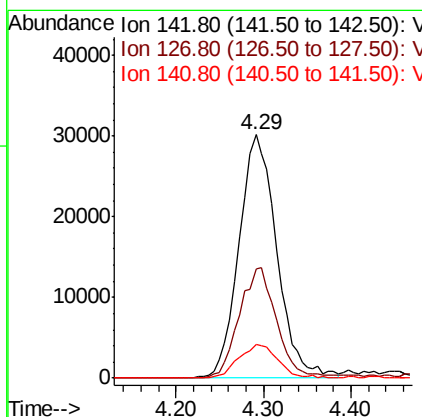
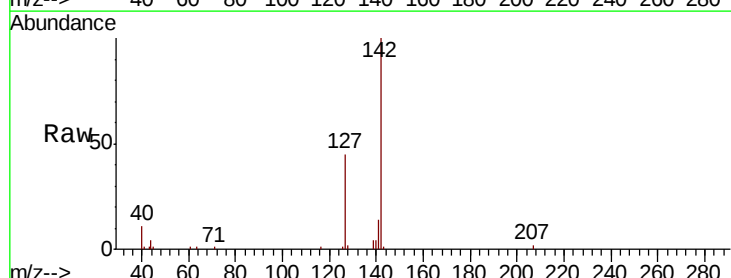
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion:	142	Resp:	88688
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.2	54.4
141	14.2	11.8	17.8





#11

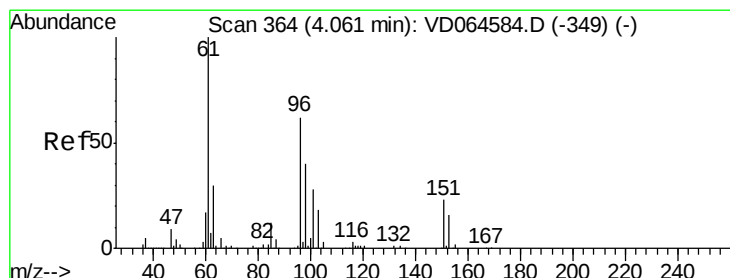
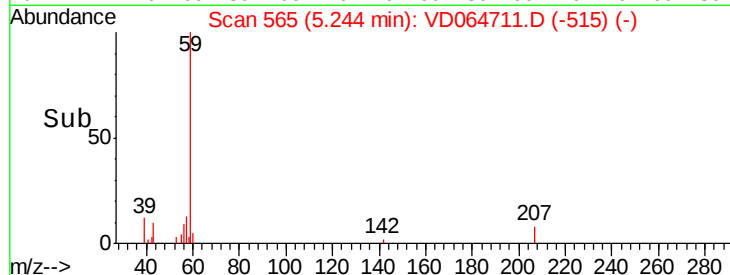
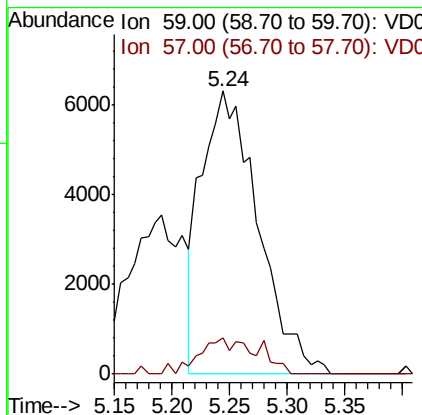
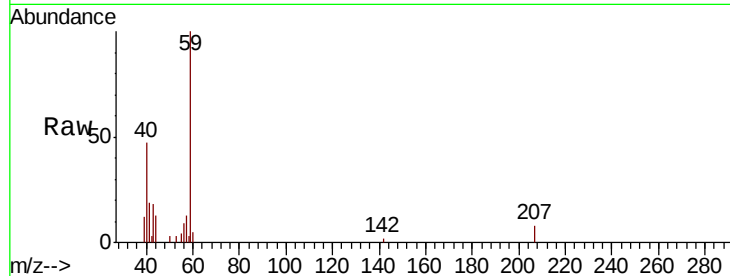
Tert butyl alcohol
Concen: 99.315 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.3	13.9

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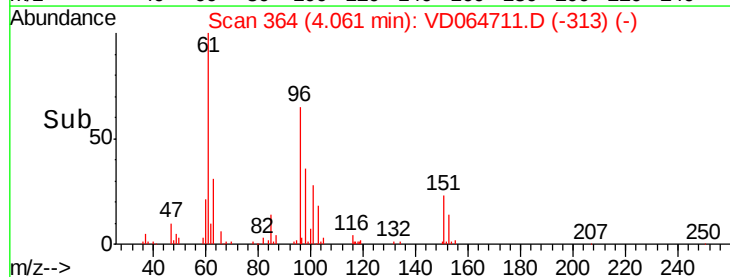
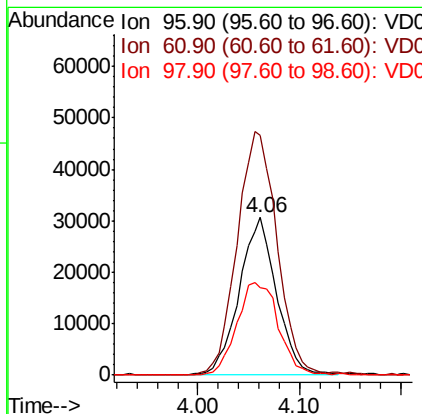
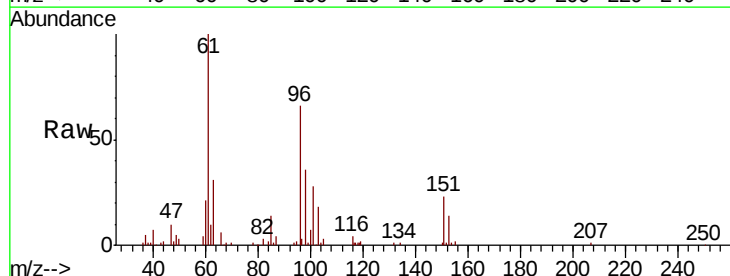
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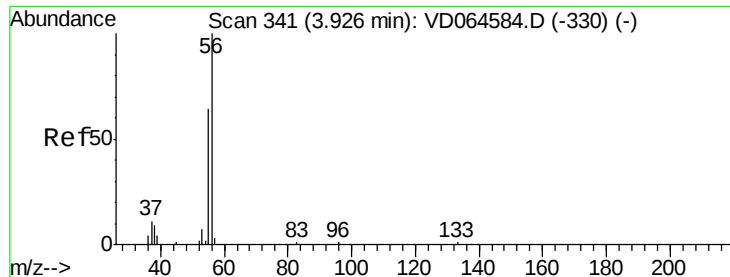


#12

1,1-Dichloroethene
Concen: 20.695 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	129.4	194.0
98	55.1	51.4	77.0





#13

Acrolein

Concen: 83.008 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 56 Resp: 25082

Ion Ratio Lower Upper

56 100

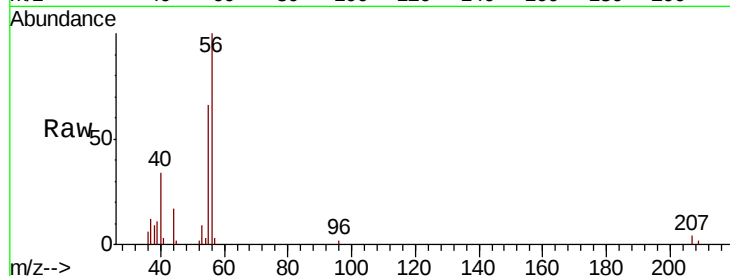
55 70.2 56.7 85.1

Manual Integrations

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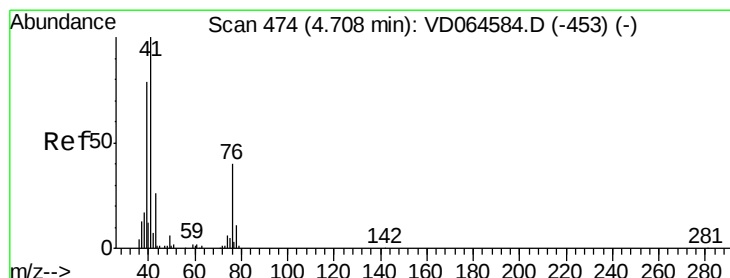
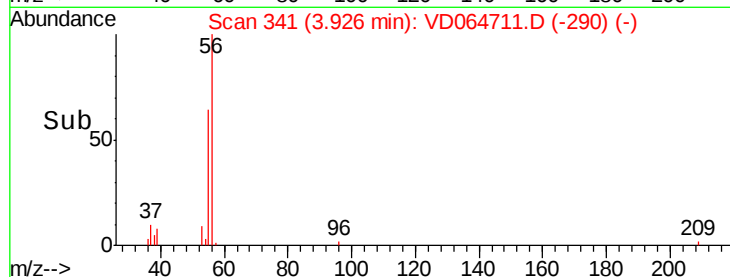
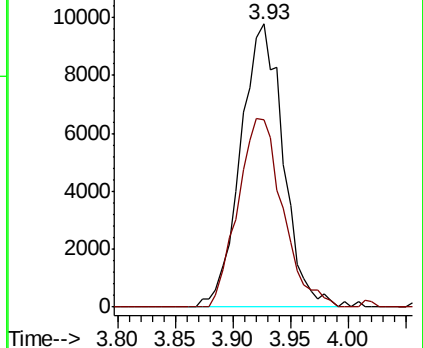
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.936 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

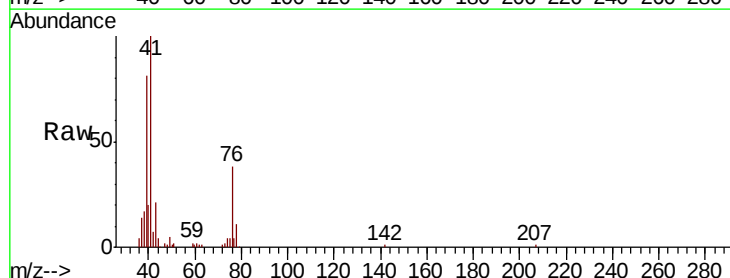
Tgt Ion: 41 Resp: 123210

Ion Ratio Lower Upper

41 100

39 77.6 62.3 93.5

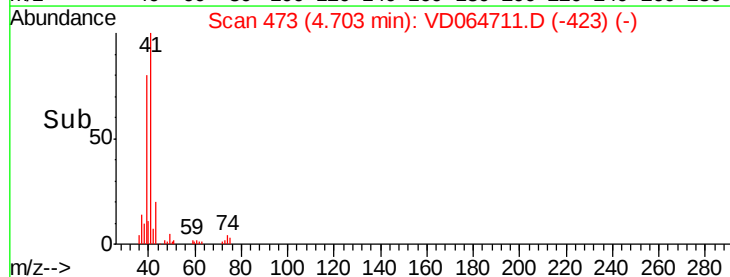
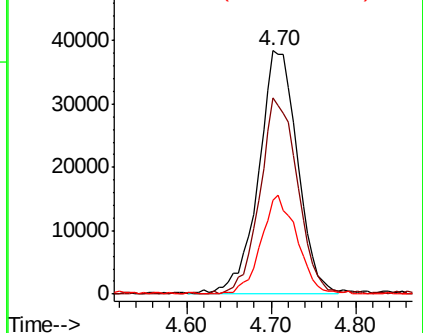
76 37.7 29.7 44.5

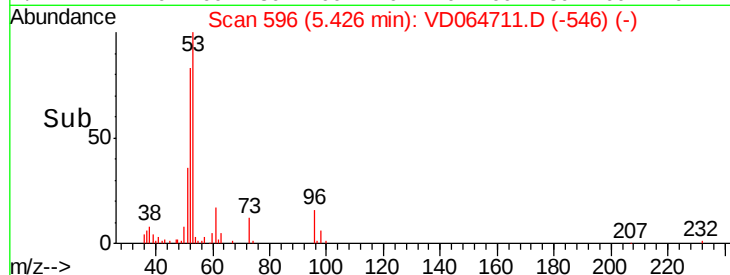
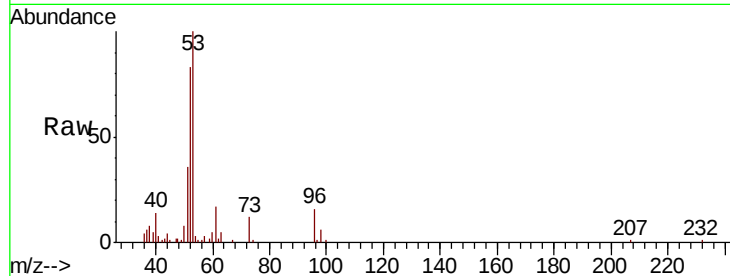
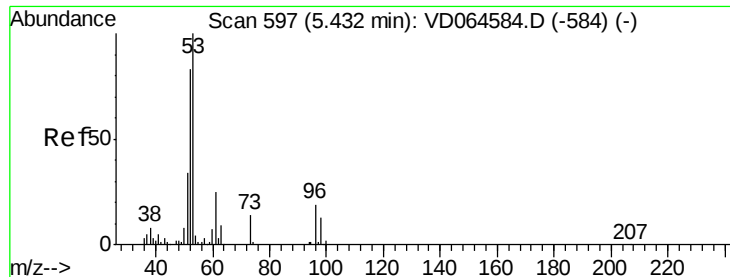


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.109 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tot Ion:	53	Resp:	81647
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.2
51	37.9	30.1	45.1

Instrument :

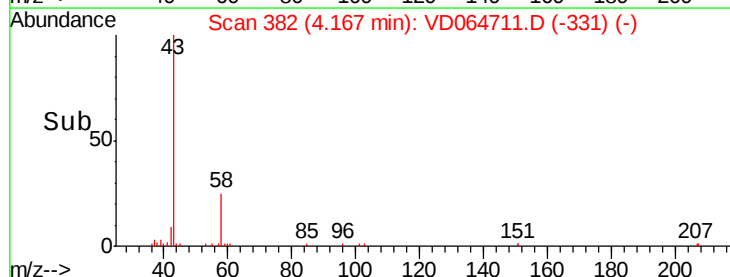
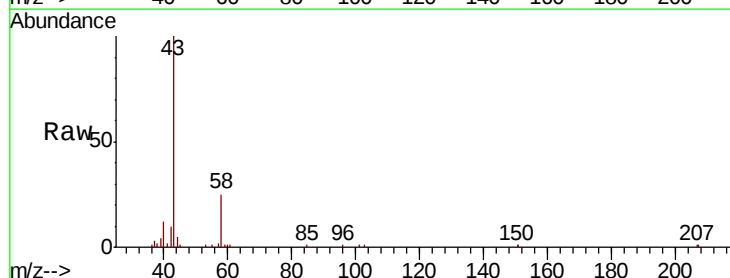
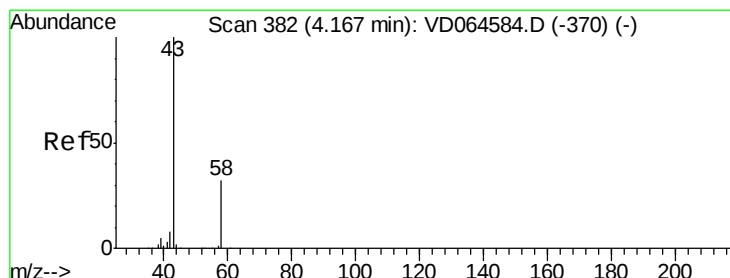
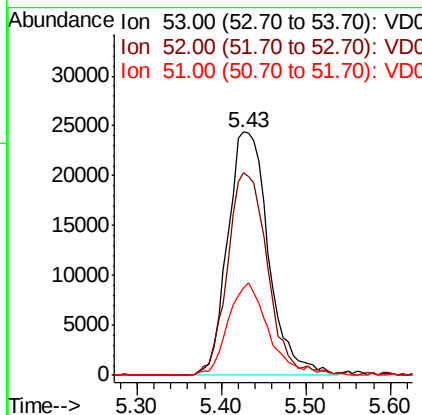
MSVOA_D

ClientSampleId :

VD0102SBSD01

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#16

Acetone

Concen: 102.257 ug/l

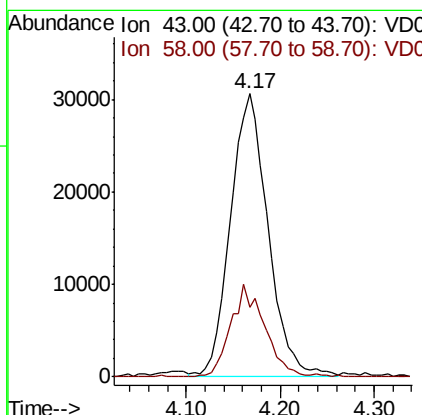
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion:	43	Resp:	85213
Ion Ratio	Lower	Upper	
43	100		
58	24.8	25.8	38.6#





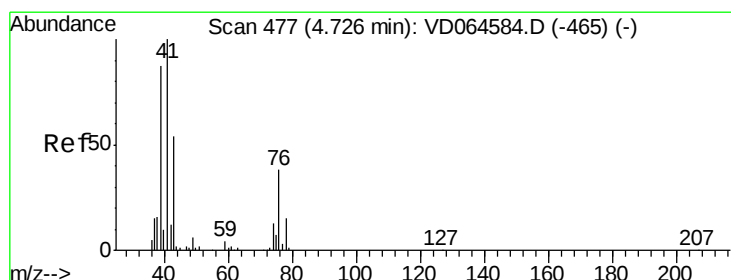
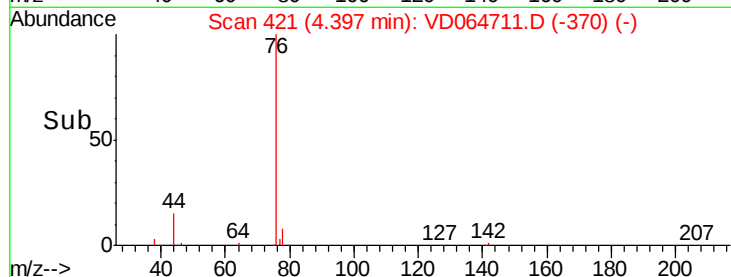
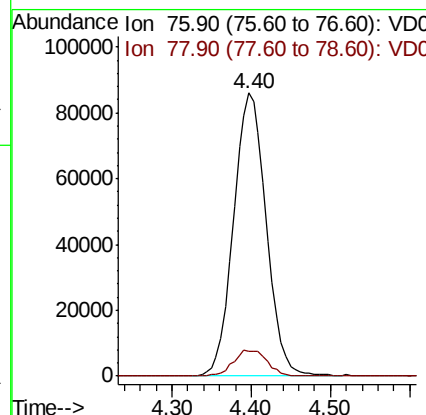
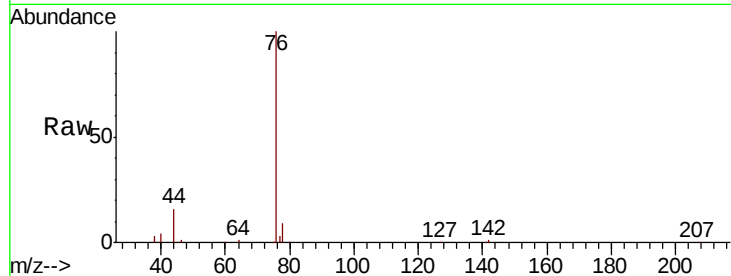
#17
Carbon Disulfide
Concen: 20.089 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

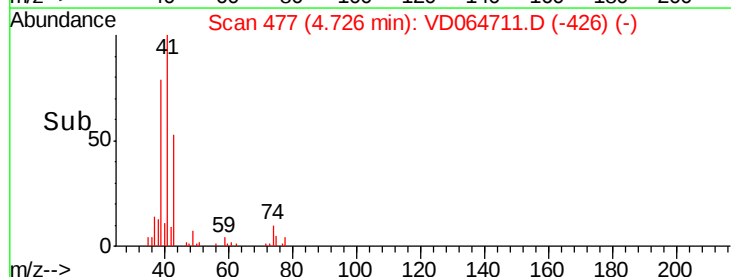
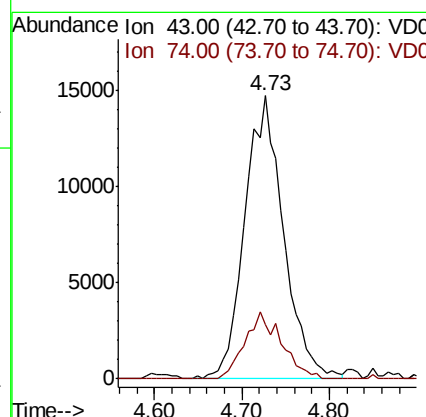
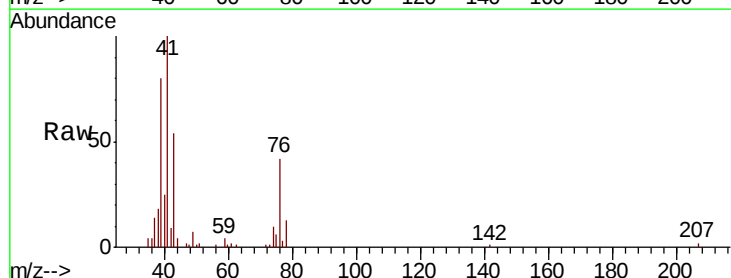
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#18
Methyl Acetate
Concen: 20.834 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	19.2	28.8





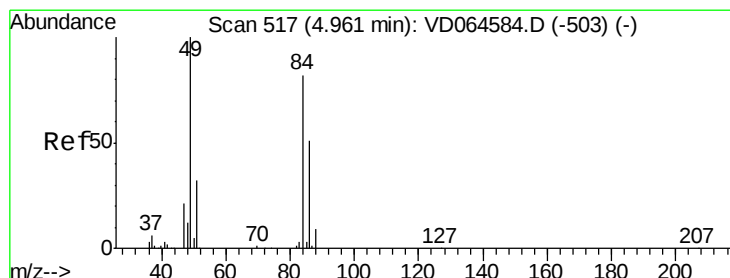
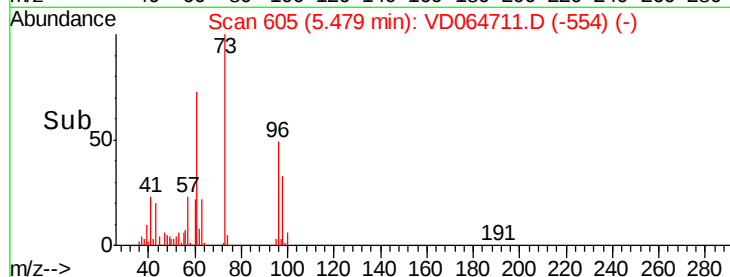
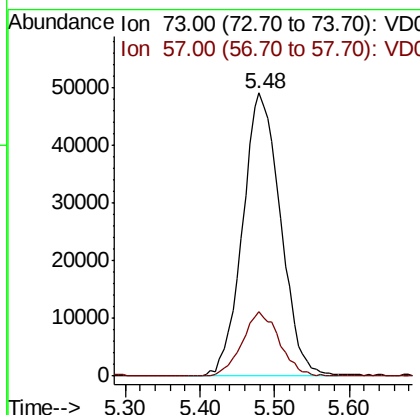
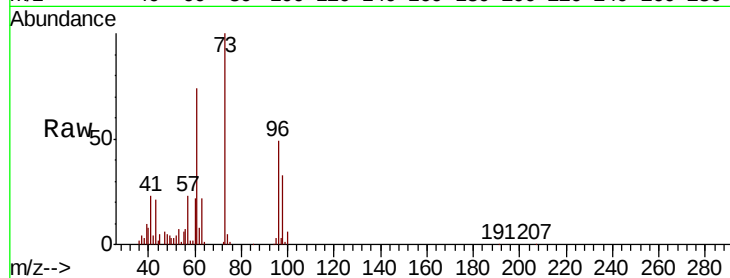
#19
Methvl tert-butvl Ether
Concen: 20.623 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion: 73 Resp: 172901
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8

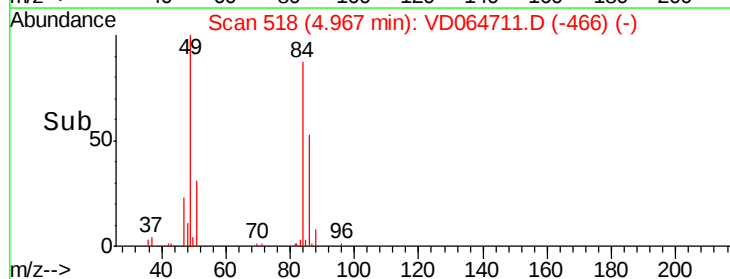
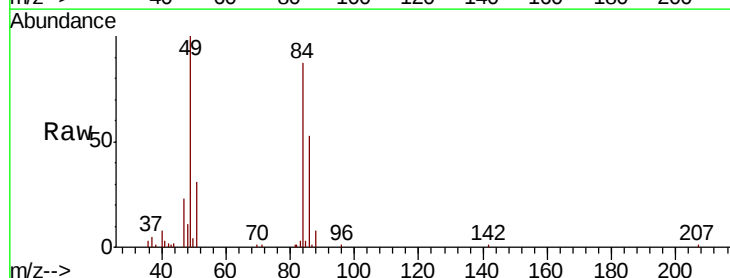
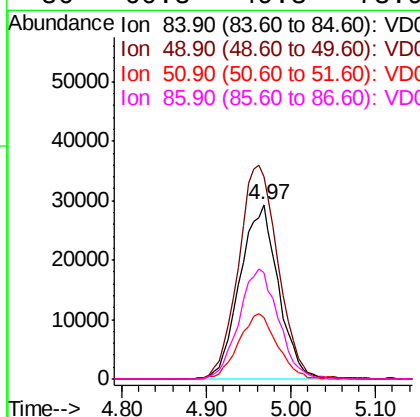
Manual Integrations
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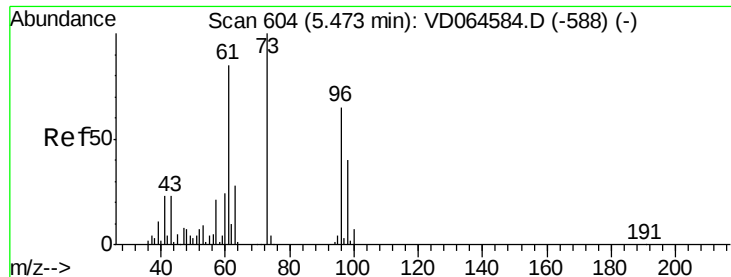
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#20
Methylene Chloride
Concen: 21.138 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 84 Resp: 92702
Ion Ratio Lower Upper
84 100
49 115.5 97.2 145.8
51 35.3 31.4 47.0
86 60.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.814 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 96 Resp: 89472

Ion Ratio Lower Upper

96 100

61 132.0 104.7 157.1

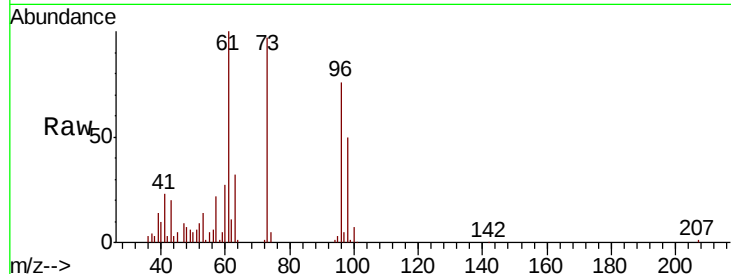
98 66.6 49.4 74.2

Manual Integrations

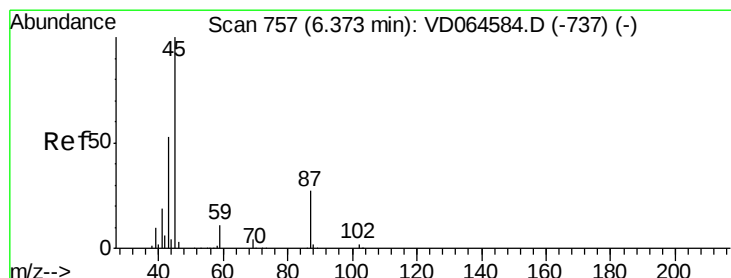
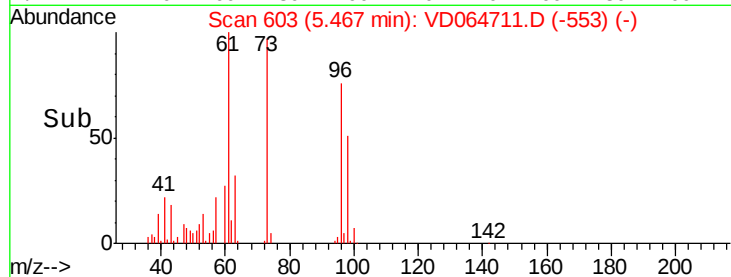
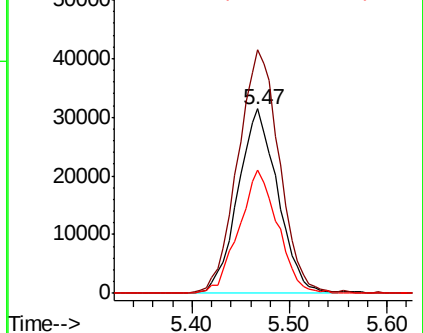
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.114 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion: 45 Resp: 247838

Ion Ratio Lower Upper

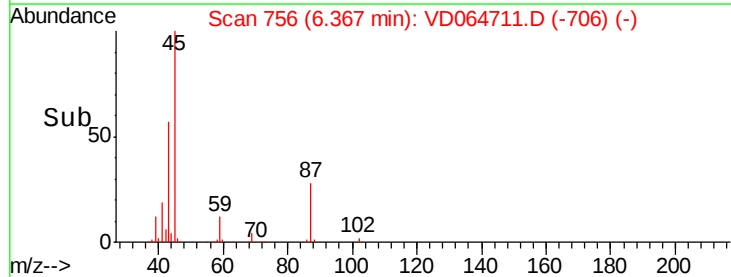
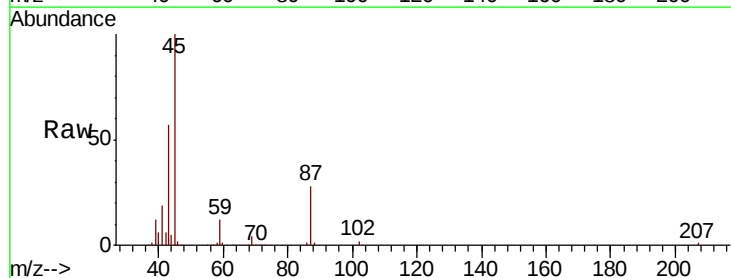
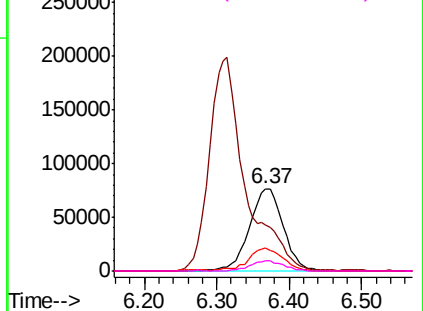
45 100

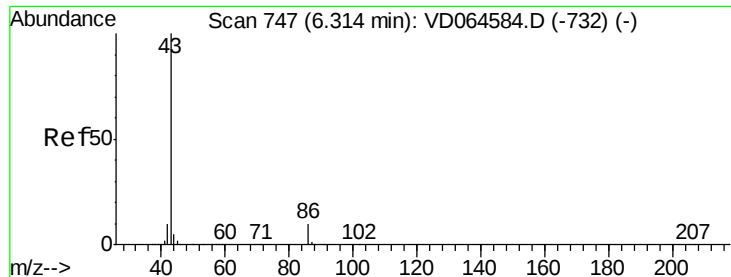
43 56.0 43.2 64.8

87 27.8 21.9 32.9

59 12.3 9.0 13.4

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 102.649 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleID :

VD0102SBS01

Tot Ion: 43 Resp: 683503

Ion Ratio Lower Upper

43 100

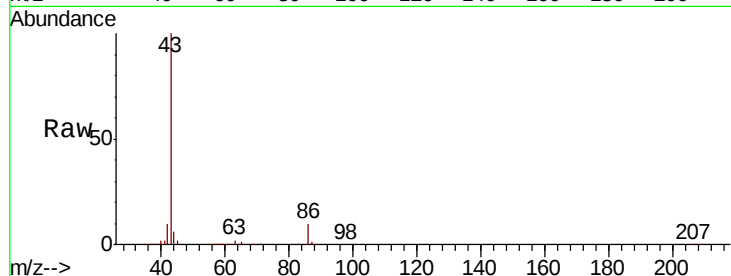
86 10.2 8.3 12.5

Manual Integrations

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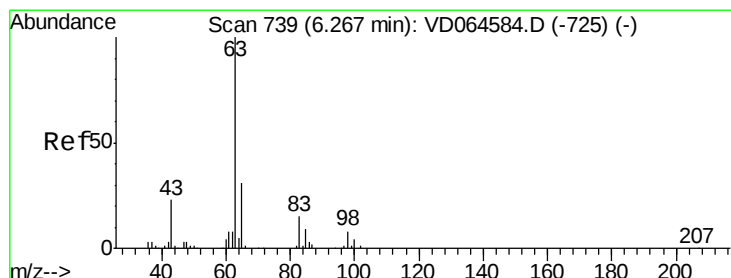
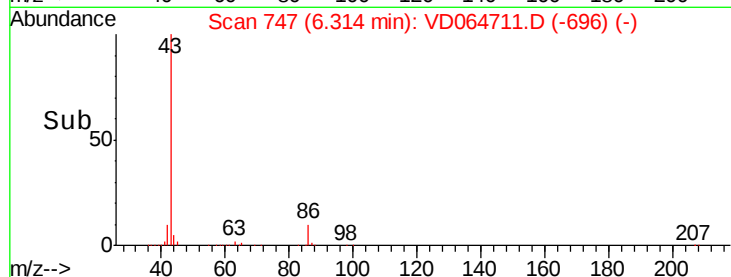
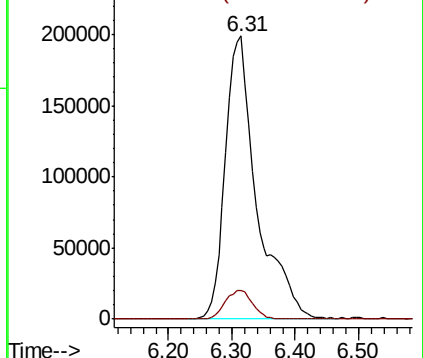
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.089 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

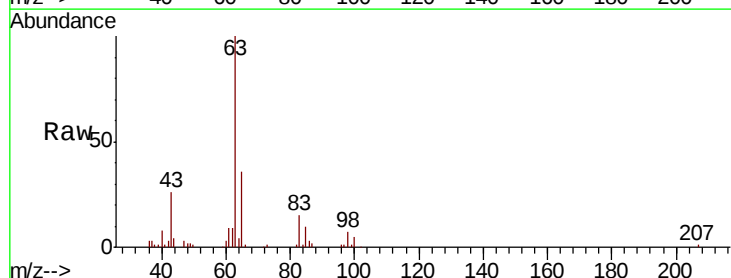
Tgt Ion: 63 Resp: 148609

Ion Ratio Lower Upper

63 100

98 7.4 4.1 12.3

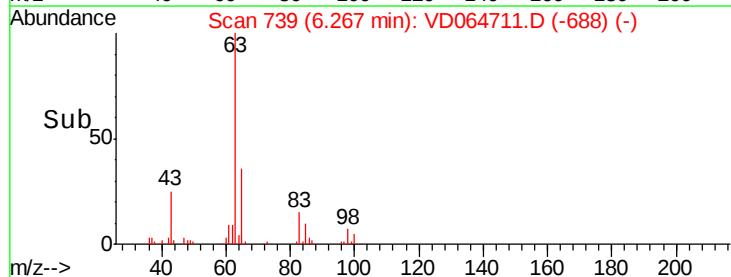
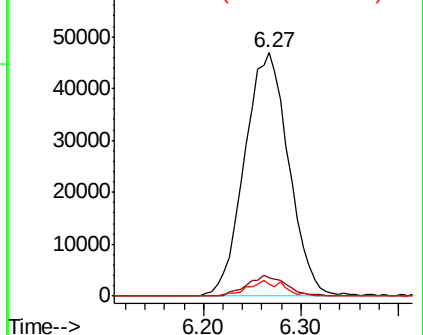
100 5.1 2.2 6.6

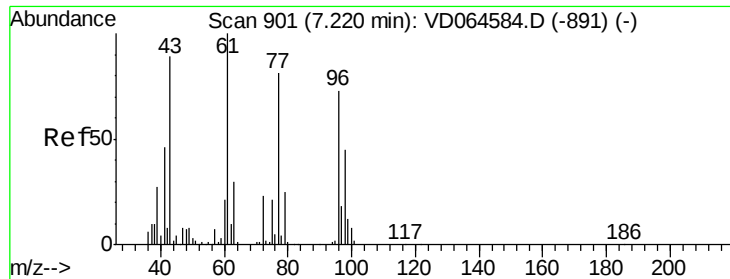


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.266 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 43 Resp: 106347

Ion Ratio Lower Upper

43 100

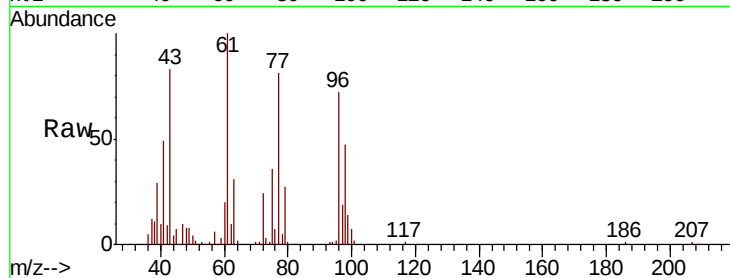
72 29.1 20.7 31.1

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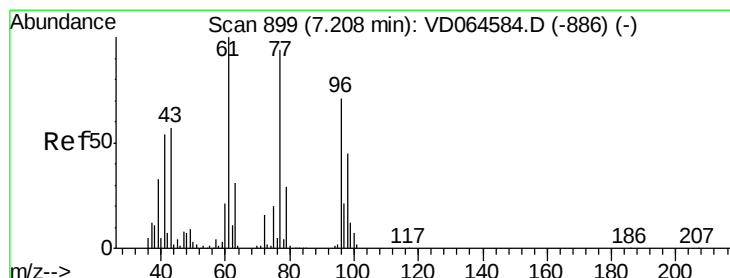
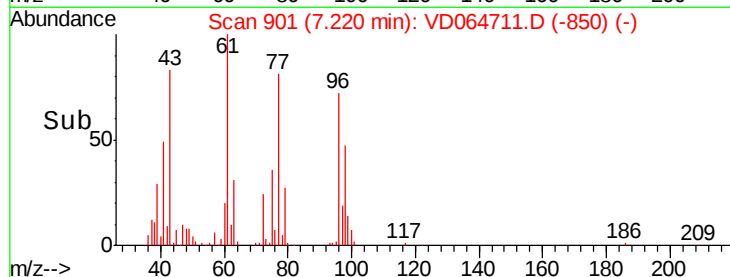
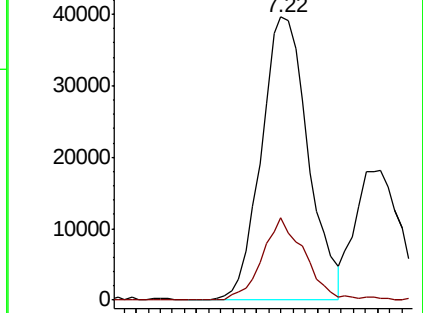
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.857 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064711.D

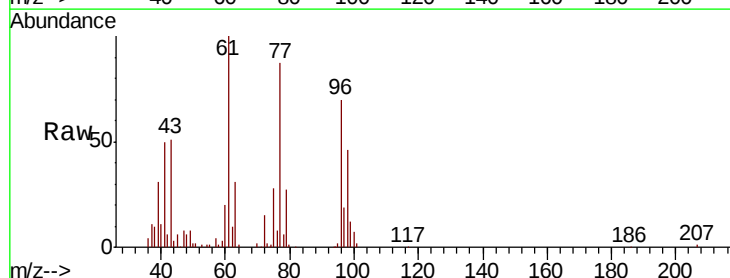
Acq: 02 Jan 2020 12:10

Tgt Ion: 77 Resp: 136654

Ion Ratio Lower Upper

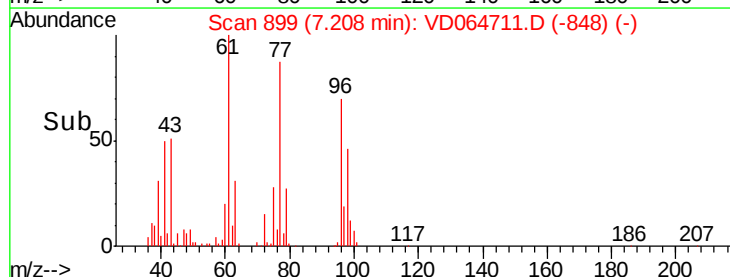
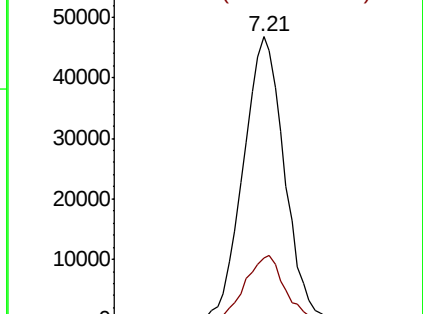
77 100

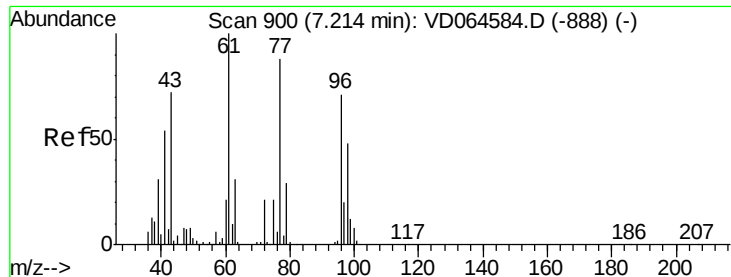
97 21.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

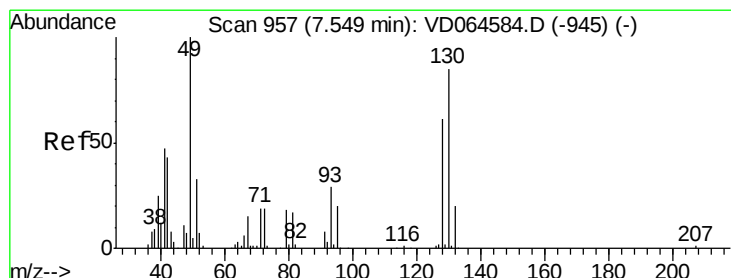
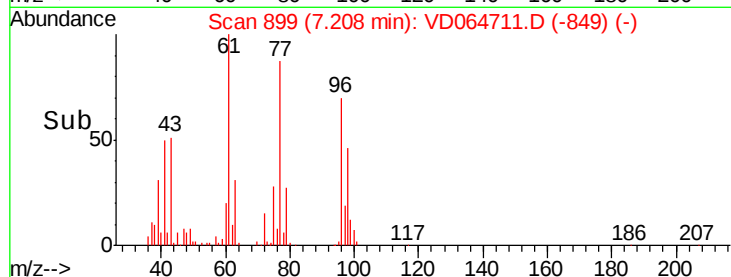
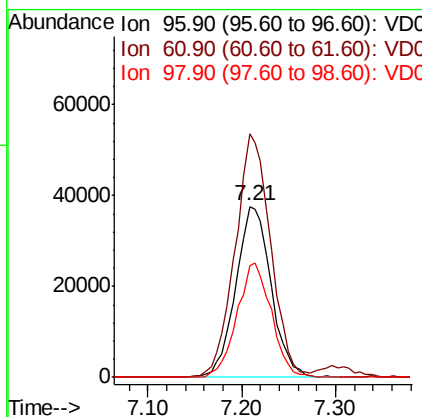
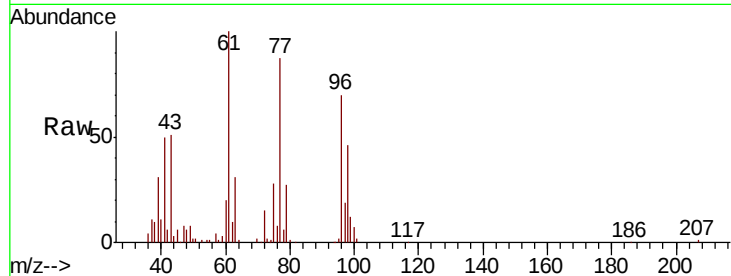
cis-1,2-Dichloroethene
 Concen: 21.121 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	282.6
98	64.9	0.0	130.8

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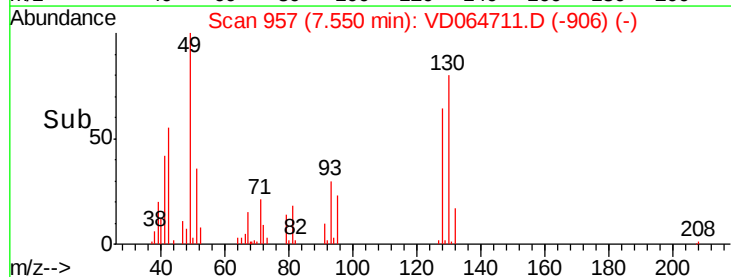
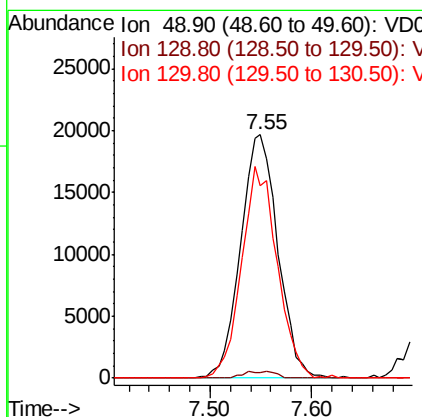
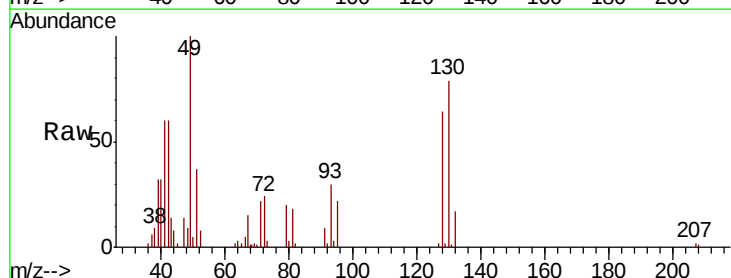
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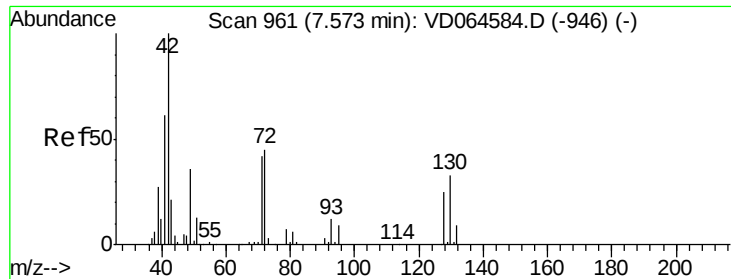


#28

Bromochloromethane
 Concen: 18.313 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.8
130	82.8	65.0	97.6





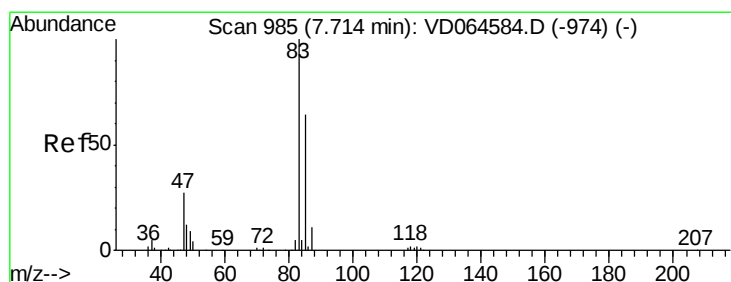
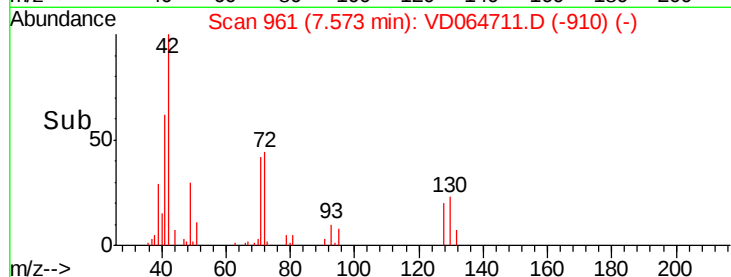
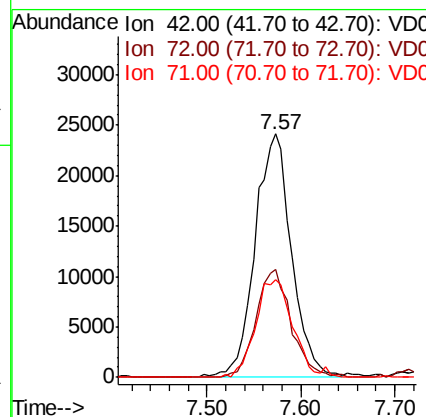
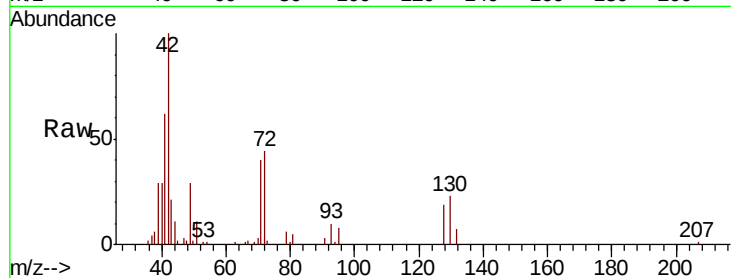
#29
Tetrahydrofuran
Concen: 100.230 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS001

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	35.0	52.4
71	40.3	32.9	49.3

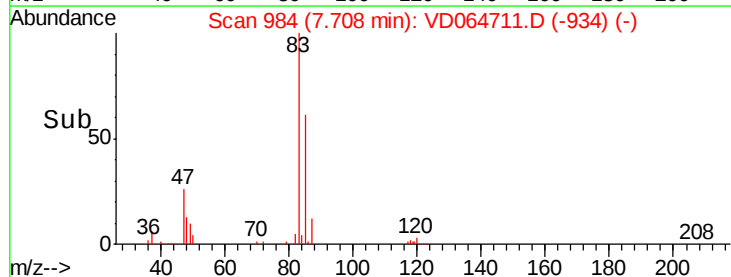
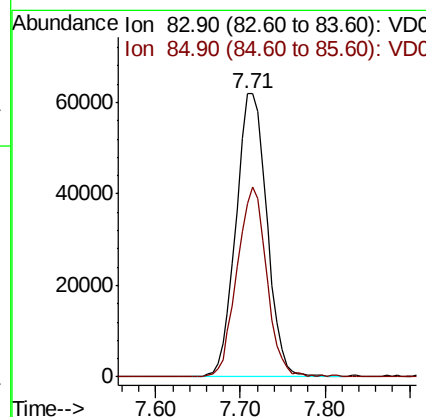
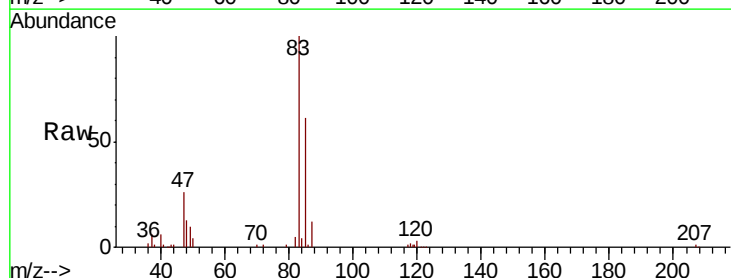
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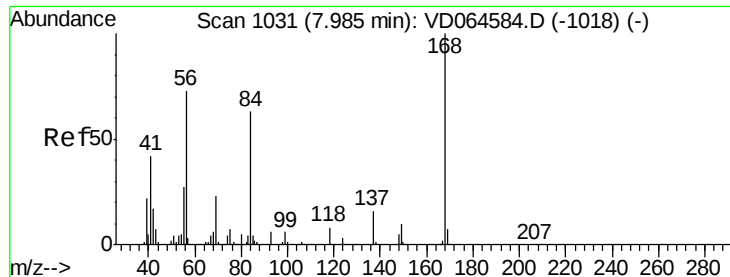
apatel
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#30
Chloroform
Concen: 21.195 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7





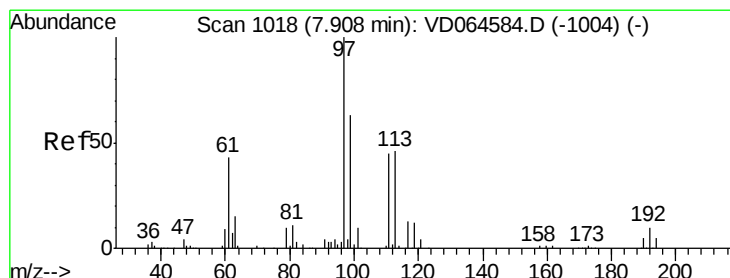
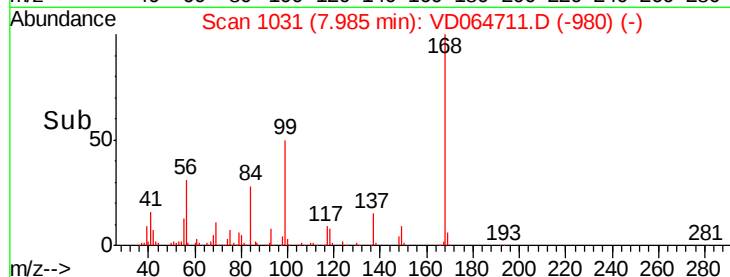
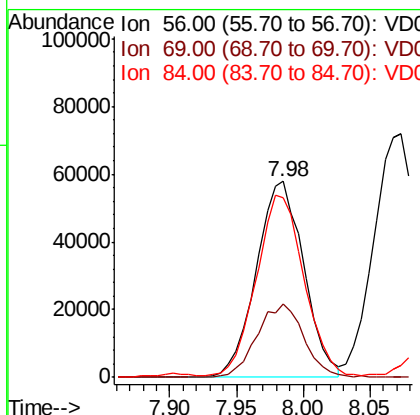
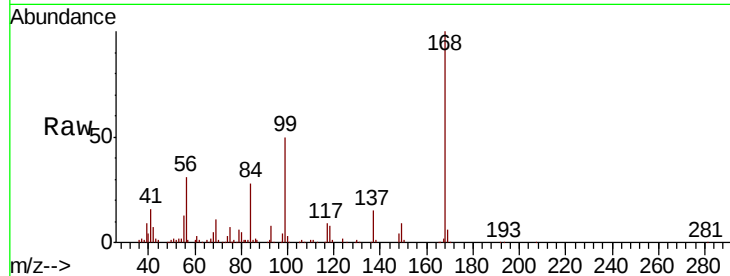
#31
Cyclohexane
Concen: 20.259 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	24.7	37.1#
84	89.9	69.4	104.2

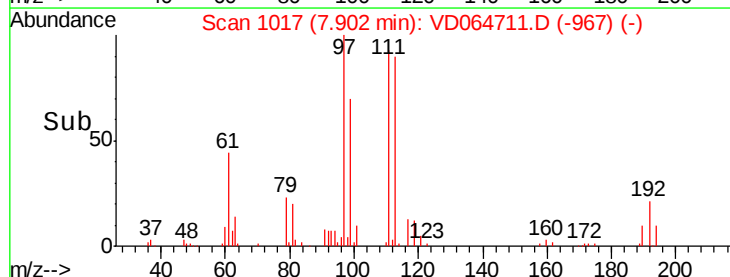
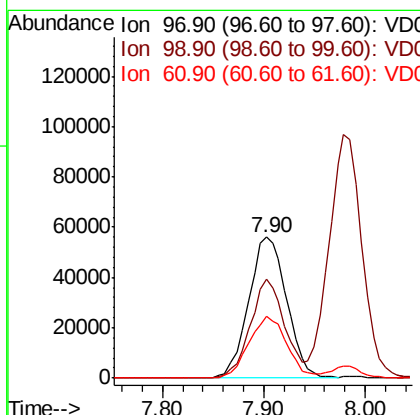
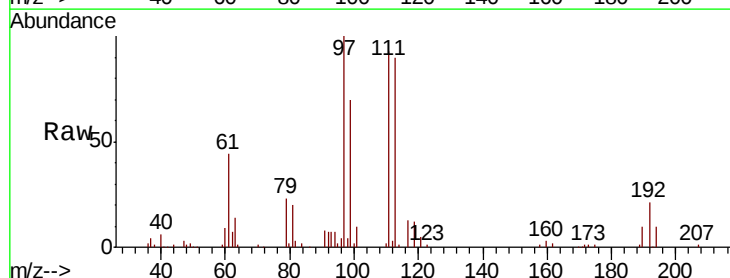
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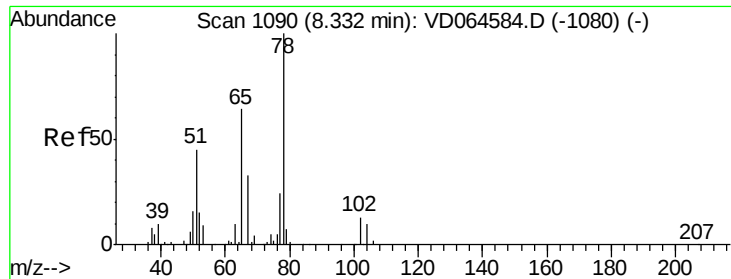
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#32
1,1,1-Trichloroethane
Concen: 21.004 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	44.0	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 50.408 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 65 Resp: 190703

Ion Ratio Lower Upper

65 100

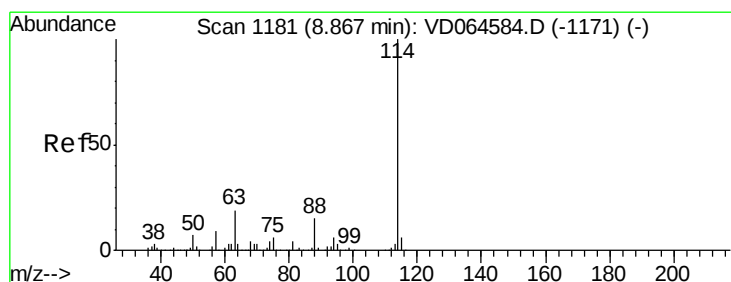
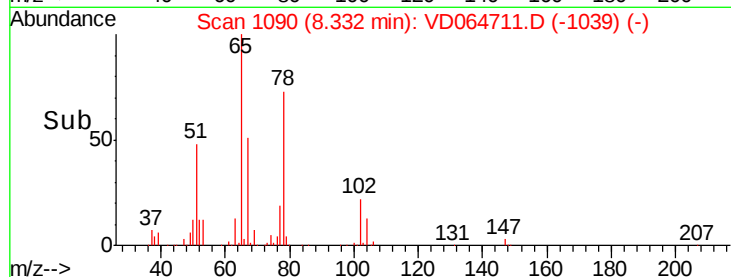
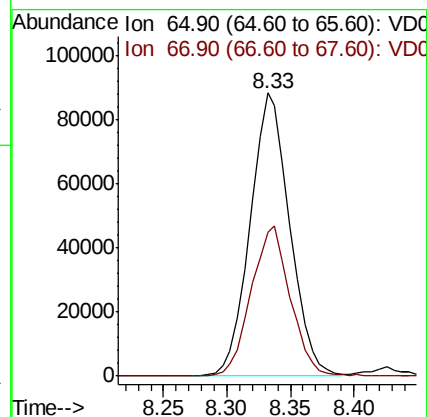
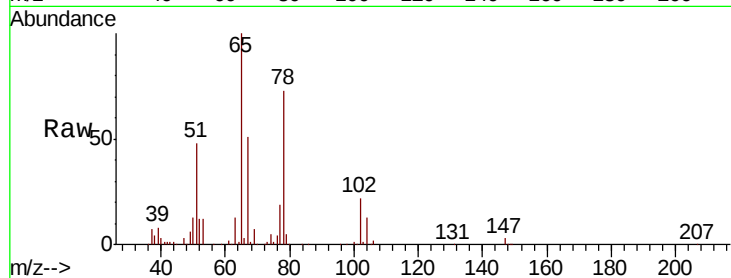
67 52.6 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

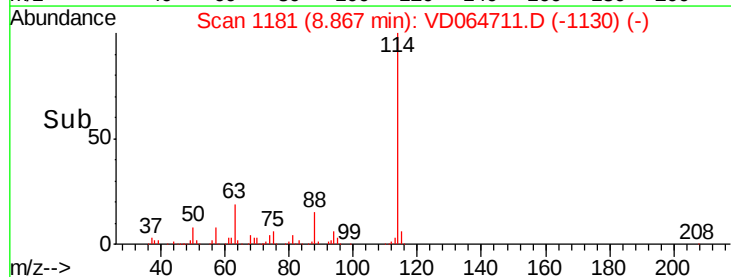
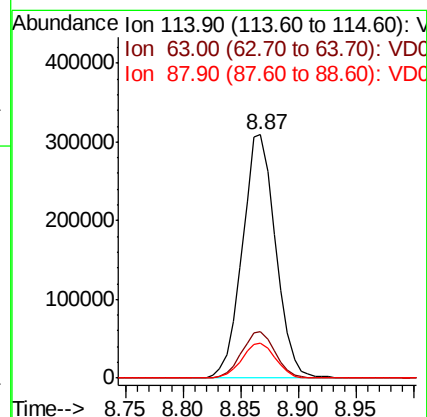
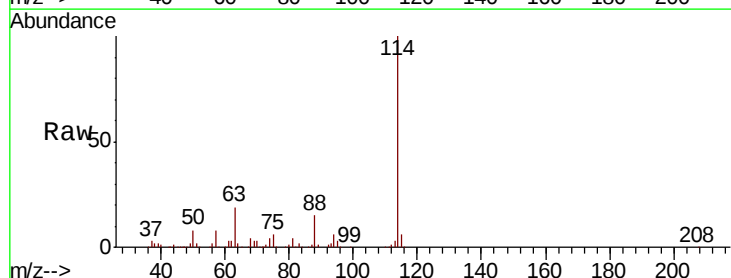
Tgt Ion: 114 Resp: 620305

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.0

88 14.6 0.0 29.2





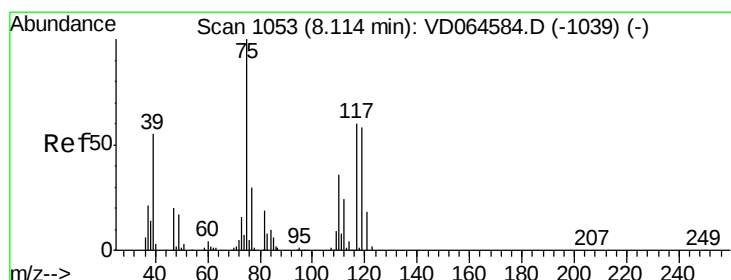
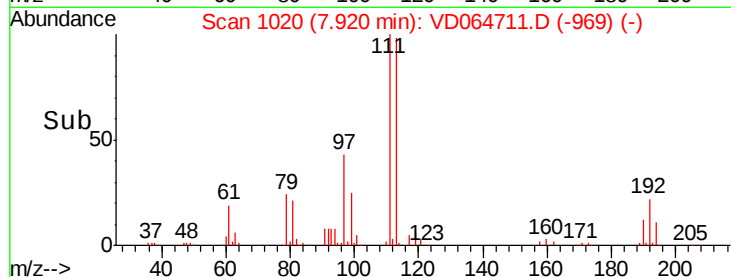
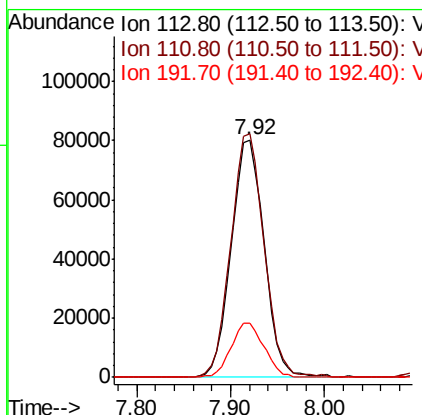
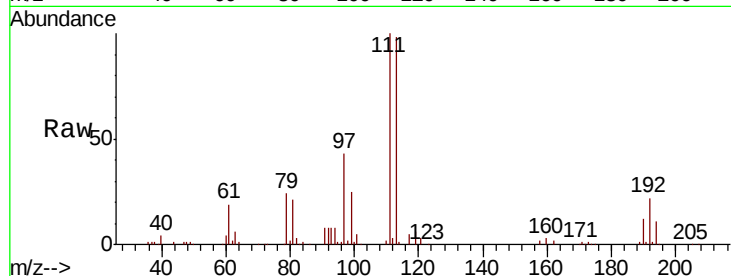
#35
 Dibromofluoromethane
 Concen: 51.353 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195432		
111	103.7	80.6	121.0	
192	23.1	17.9	26.9	

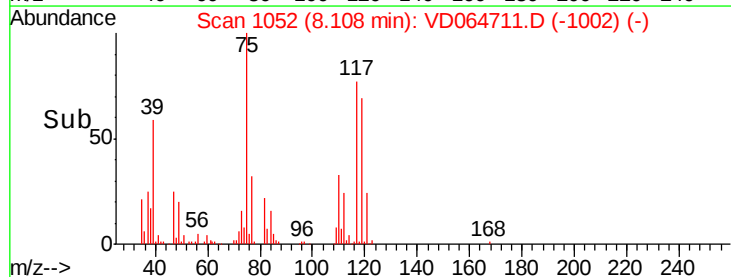
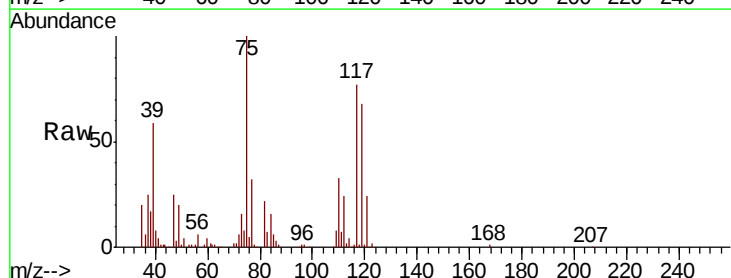
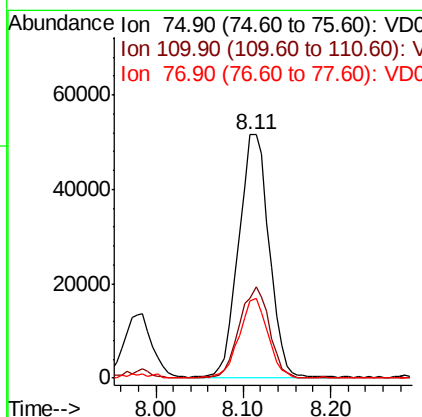
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#36
 1,1-Dichloropropene
 Concen: 20.318 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	121308		
110	36.9	18.1	54.1	
77	31.1	24.2	36.4	





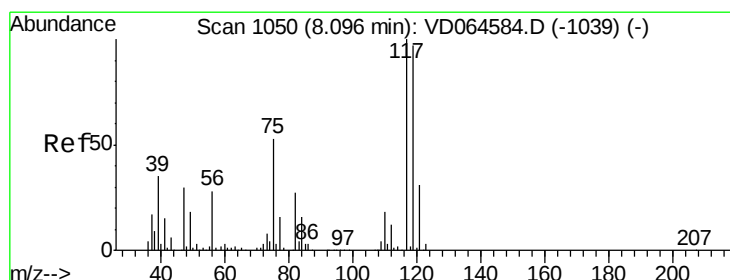
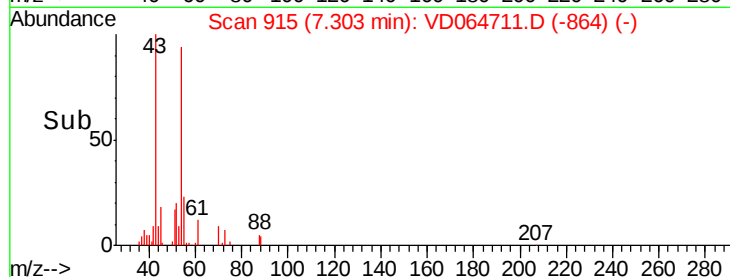
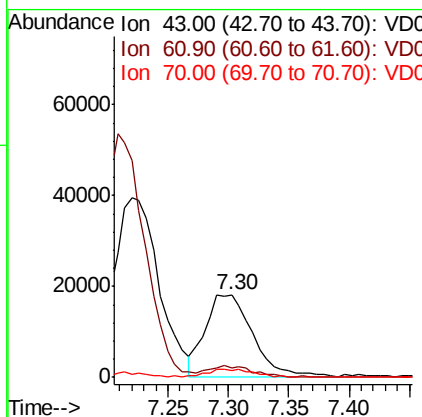
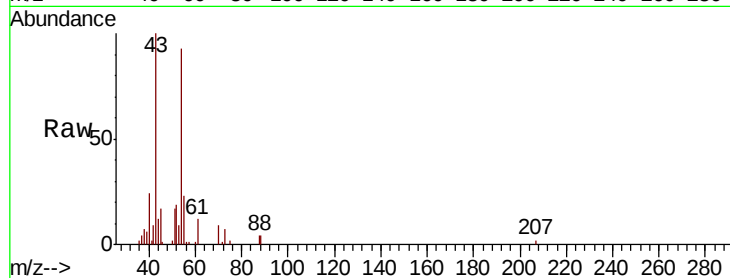
#37
Ethyl Acetate
Concen: 20.799 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.3	15.5
70	10.2	7.6	11.4

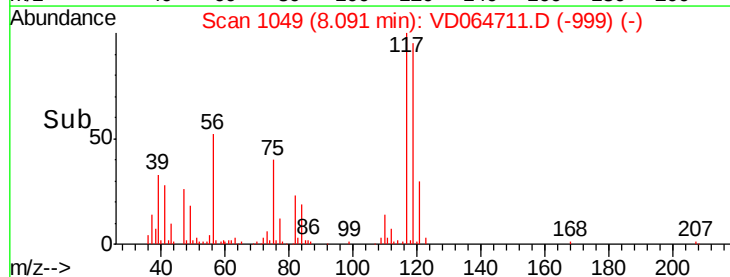
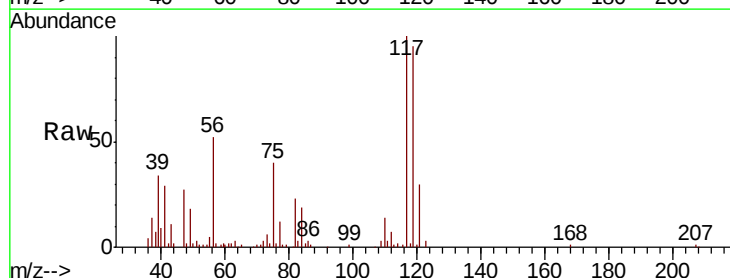
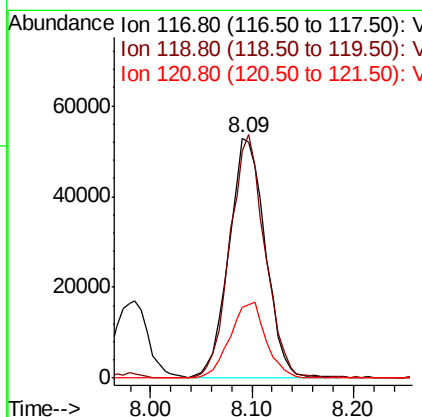
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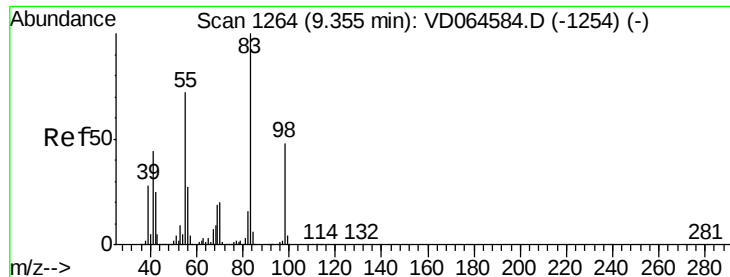
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#38
Carbon Tetrachloride
Concen: 20.691 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.3	115.9
121	29.5	25.0	37.6





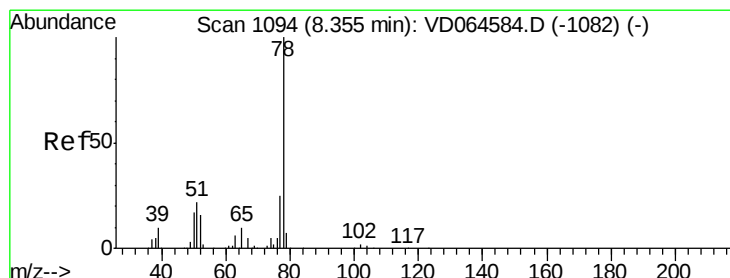
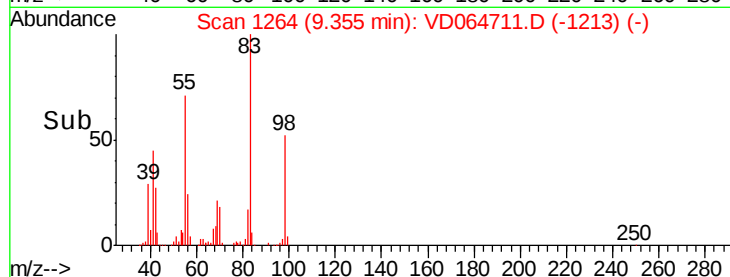
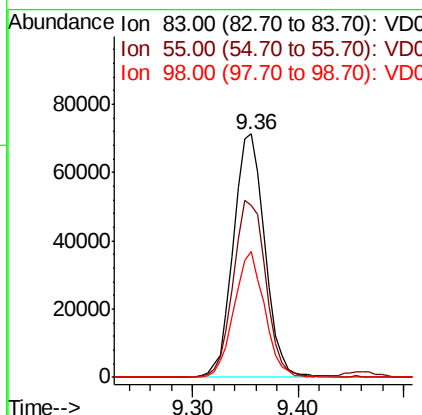
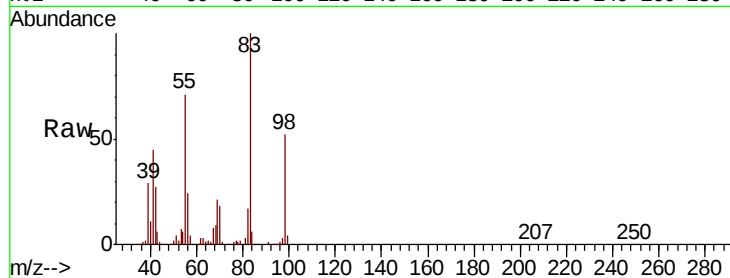
#39
Methvlcvclohexane
Concen: 20.328 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.5	57.8	86.6
98	51.9	38.7	58.1

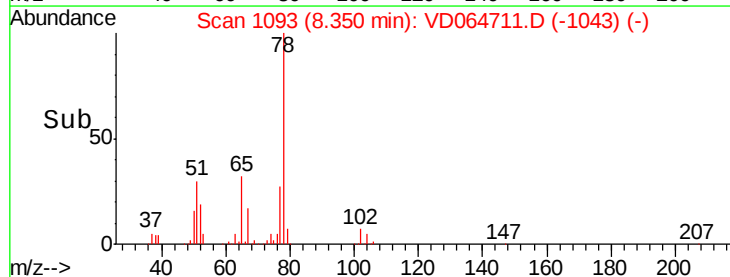
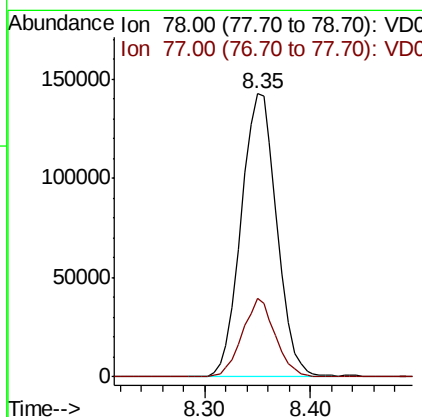
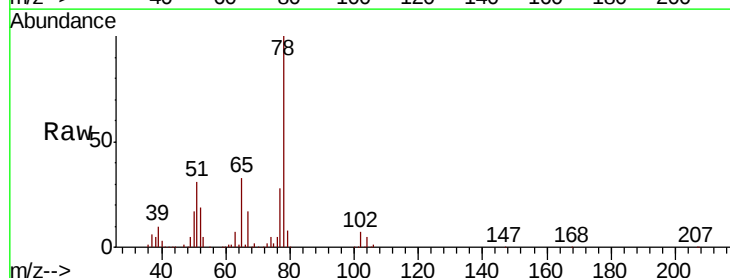
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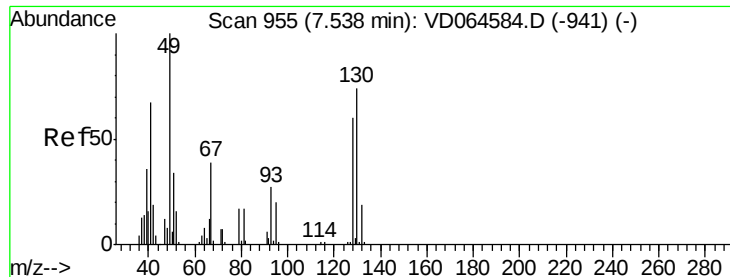
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#40
Benzene
Concen: 20.504 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.7	19.9	29.9





#41

Methacrylonitrile

Concen: 17.768 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 41 Resp: 24179

Ion Ratio Lower Upper

41 100

39 47.5 46.7 70.1

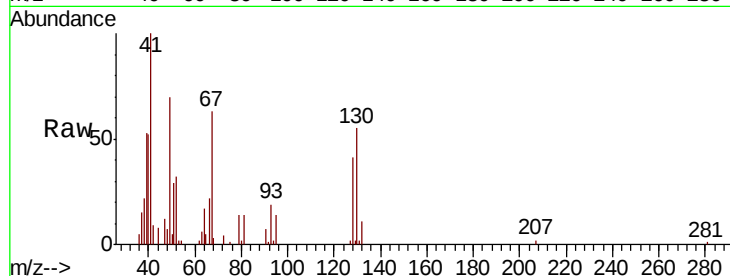
67 83.4 52.5 78.7#

52 36.5 24.1 36.1#

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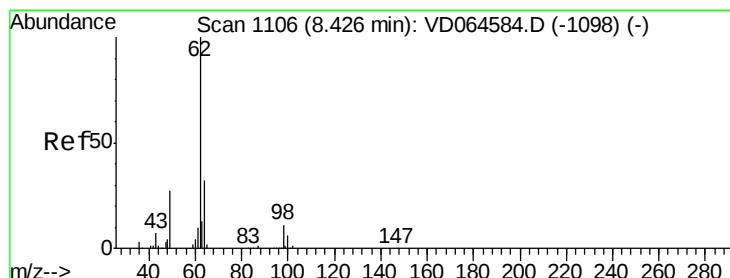
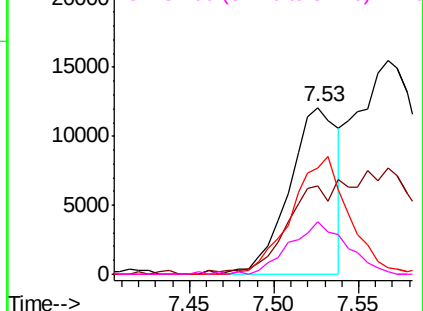
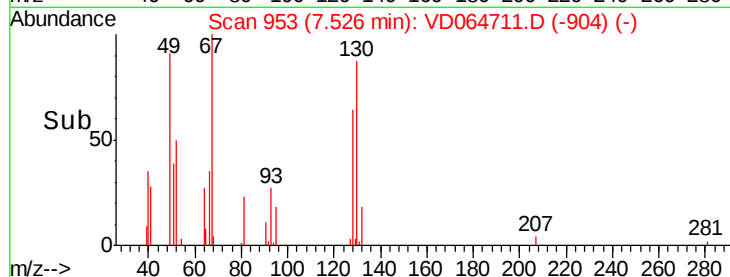


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 21.372 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064711.D

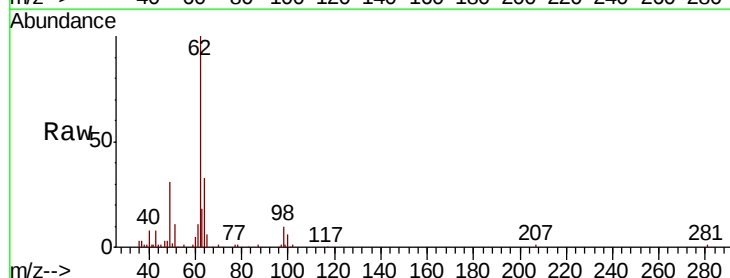
Acq: 02 Jan 2020 12:10

Tgt Ion: 62 Resp: 100658

Ion Ratio Lower Upper

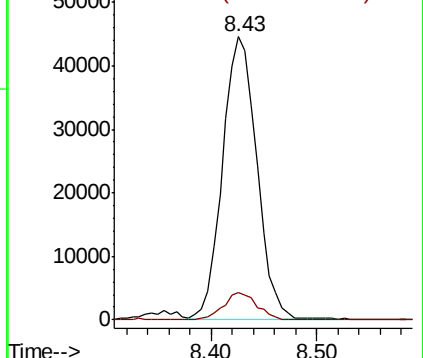
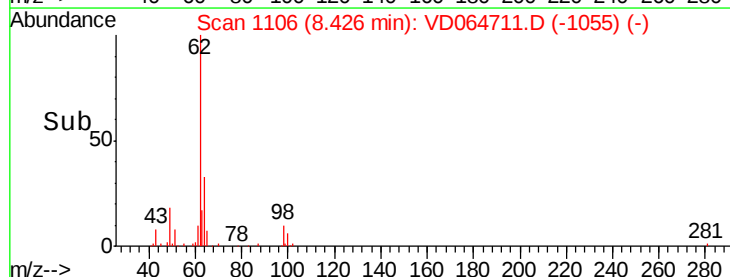
62 100

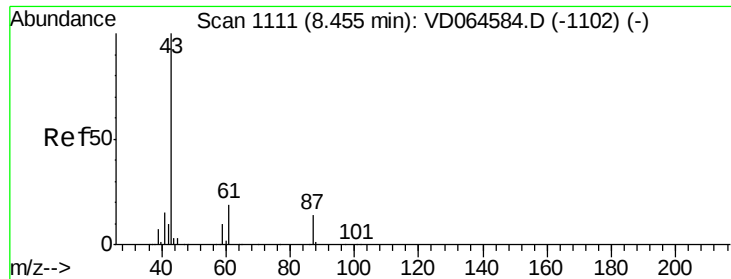
98 9.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





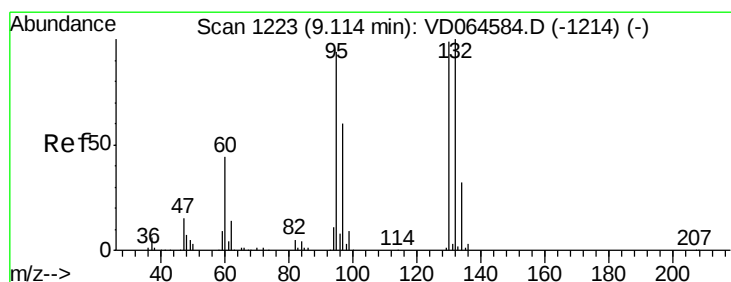
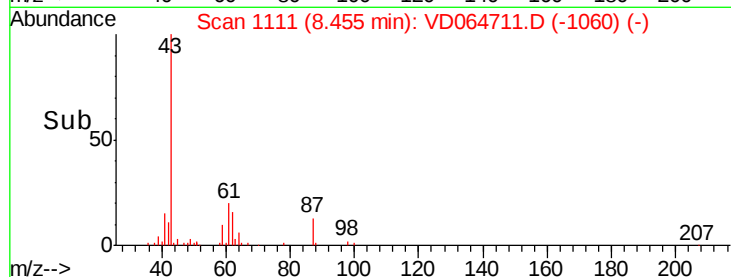
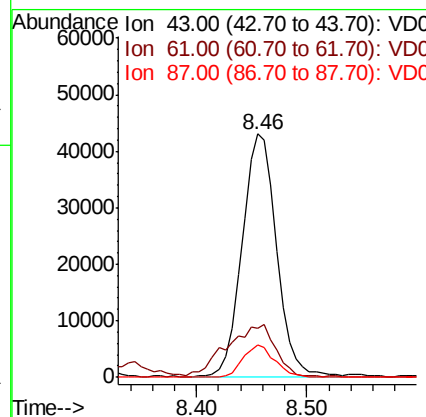
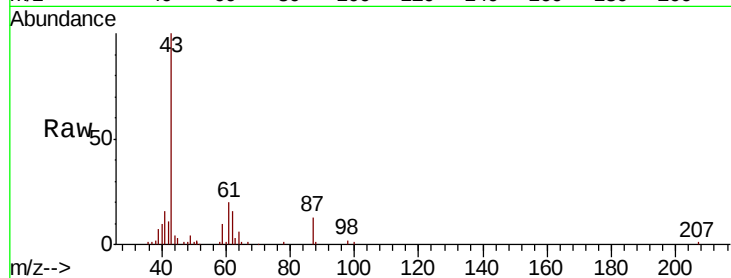
#43
Isopropyl Acetate
Concen: 20.288 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	43	61	87
Resp	94714		
Ratio	100	30.5	12.2
Lower		23.7	10.5
Upper		35.5	15.7

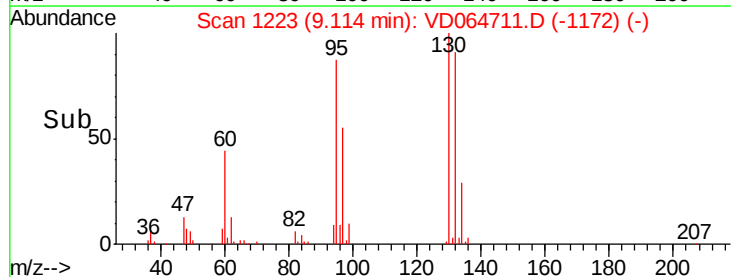
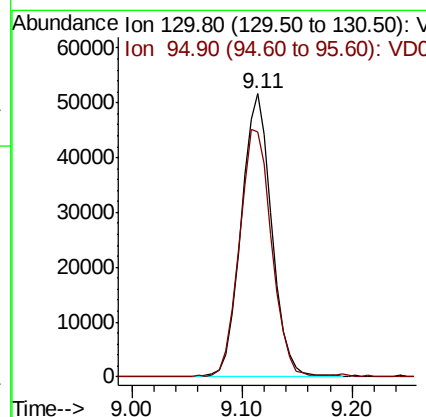
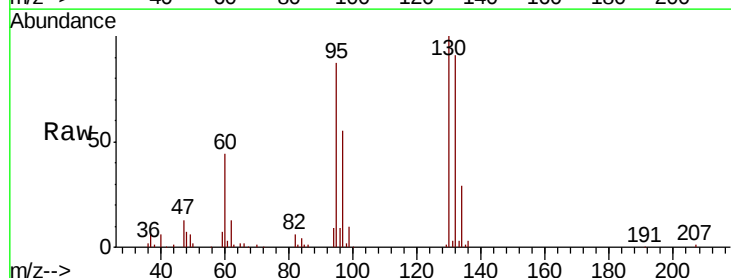
Manual Integrations
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#44
Trichloroethene
Concen: 20.868 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	130	95
Resp	99918	
Ratio	100	86.6
Lower		0.0
Upper		190.2





#45

1,2-Dichloropropane

Concen: 21.032 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 63 Resp: 81846

Ion Ratio Lower Upper

63 100

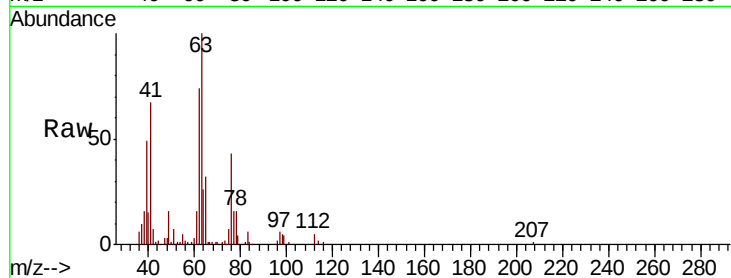
65 31.8 25.2 37.8

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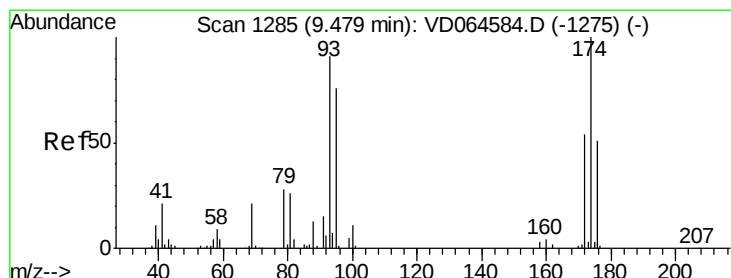
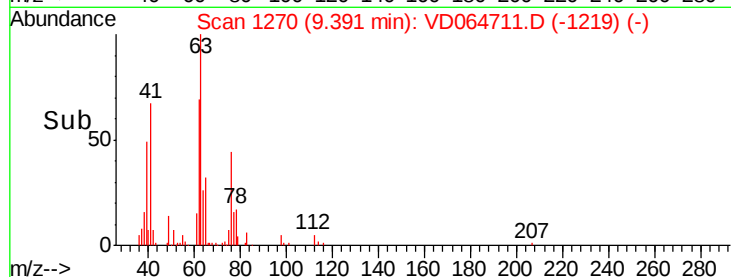
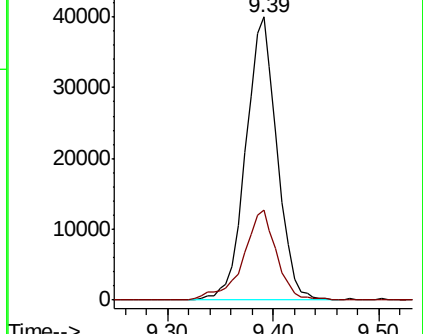
apatel

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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: 21.070 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

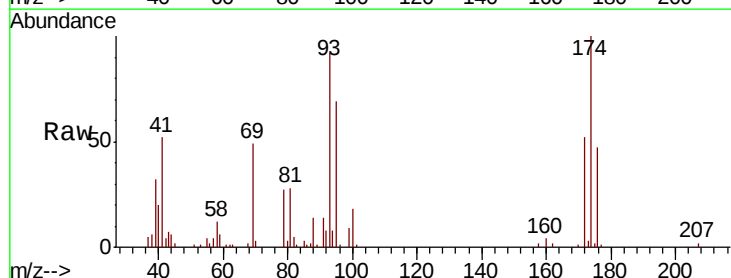
Tgt Ion: 93 Resp: 45715

Ion Ratio Lower Upper

93 100

95 81.4 64.6 97.0

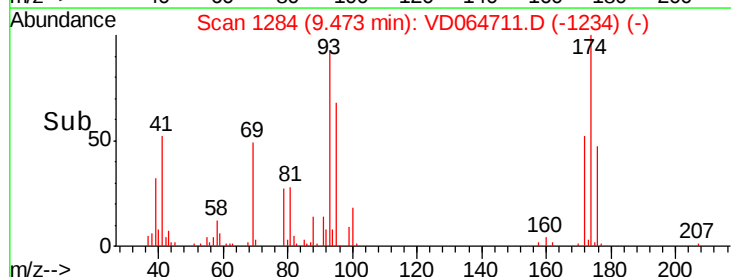
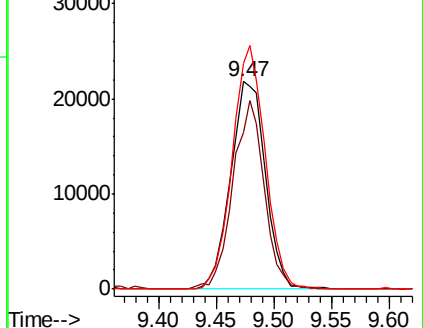
174 110.5 88.1 132.1

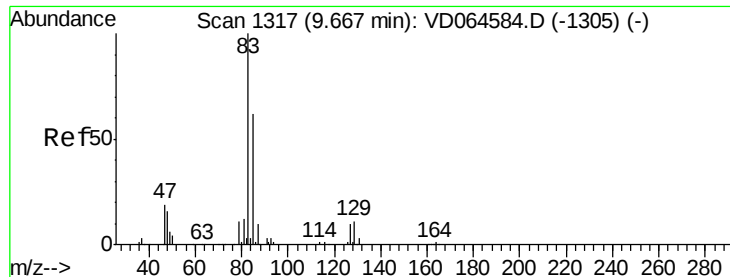


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.489 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

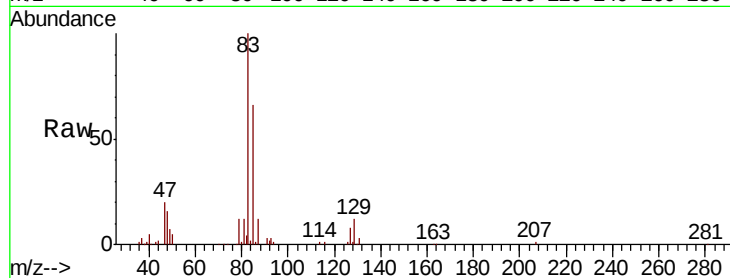
ClientSampleId :

VD0102SBSD01

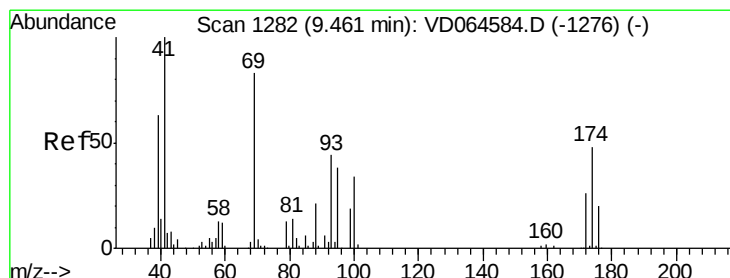
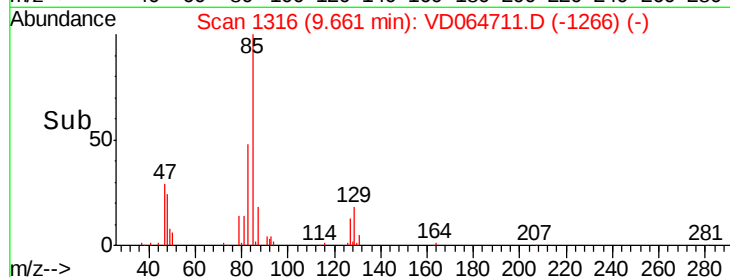
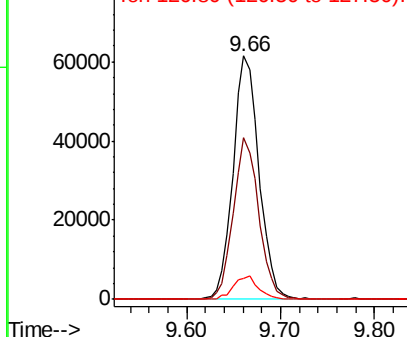
Tot Ion:	83	Resp:	118293
Ion	Ratio	Lower	Upper
83	100		
85	66.2	49.5	74.3
127	8.4	7.8	11.6

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.097 ug/l

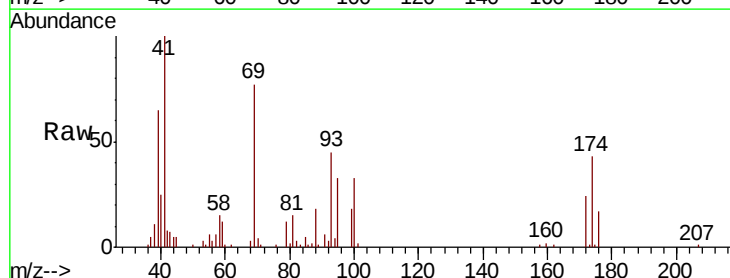
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

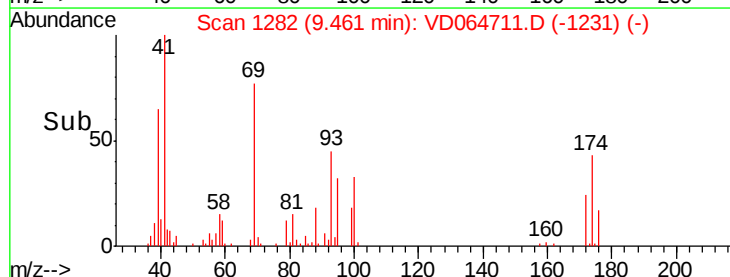
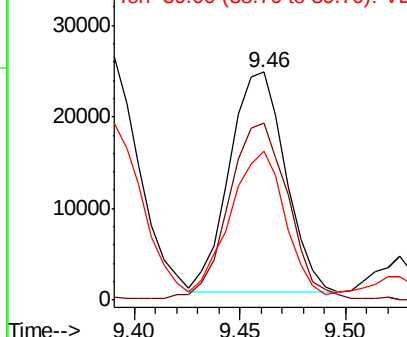
Lab File: VD064711.D

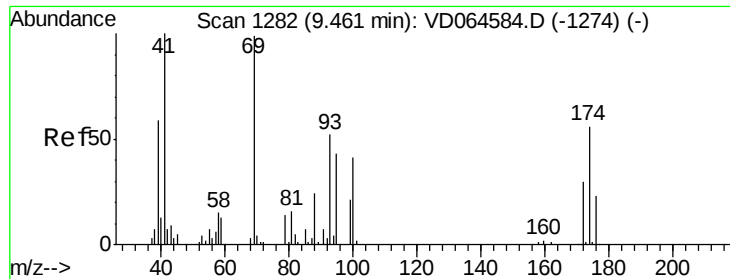
Acq: 02 Jan 2020 12:10

Tgt Ion:	41	Resp:	44176
Ion	Ratio	Lower	Upper
41	100		
69	86.1	63.0	94.6
39	63.1	47.4	71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





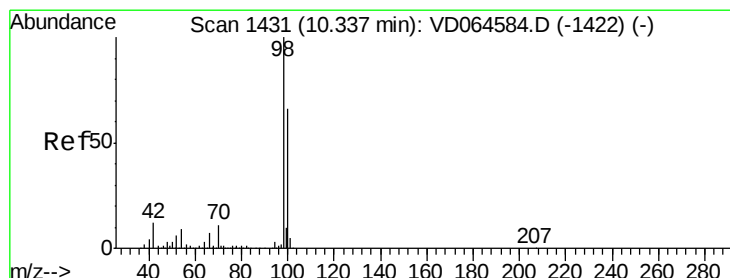
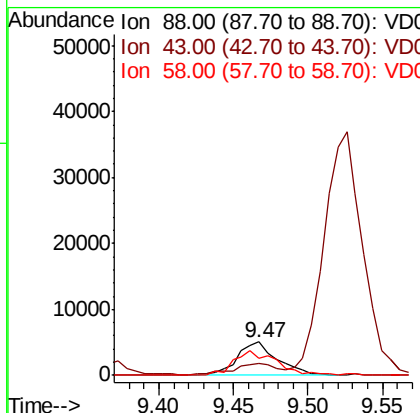
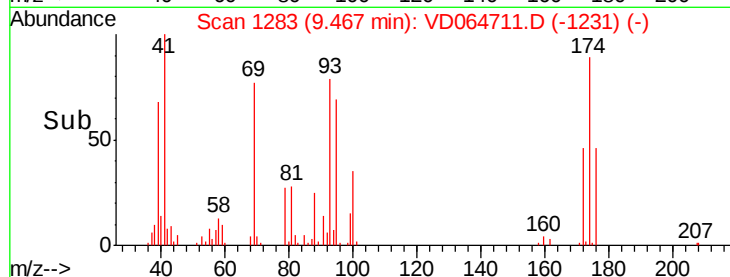
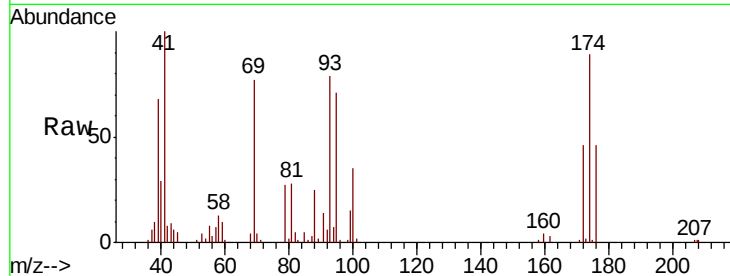
#49
1,4-Dioxane
Concen: 381.413 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	88	Resp	9542
Ion Ratio	100	Lower	Upper
88	100		
43	40.4	27.7	41.5
58	78.7	53.8	80.6

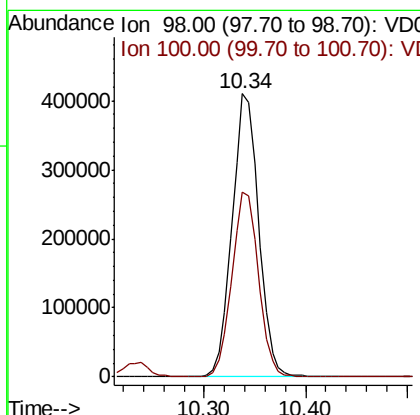
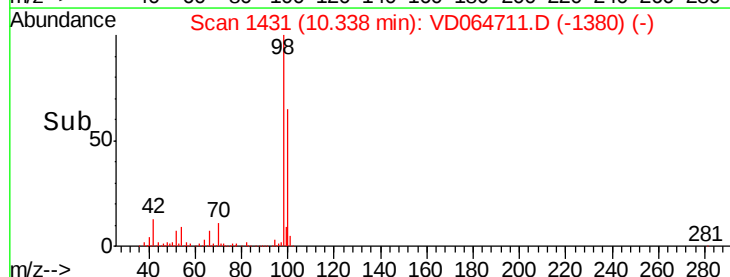
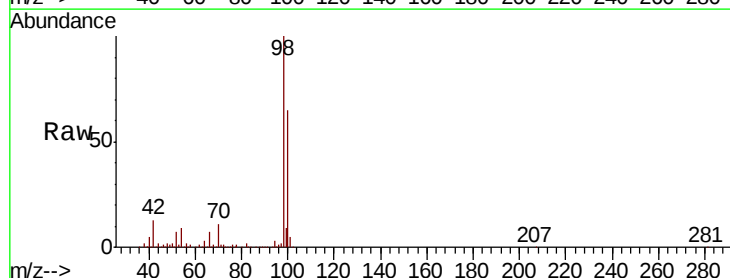
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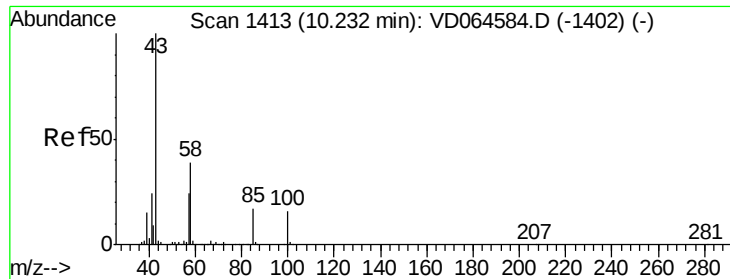
apatel
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#50
Toluene-d8
Concen: 51.271 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	98	Resp	747289
Ion Ratio	100	Lower	Upper
98	100		
100	65.7	51.7	77.5





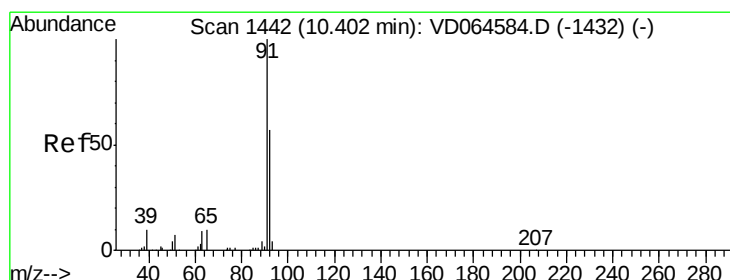
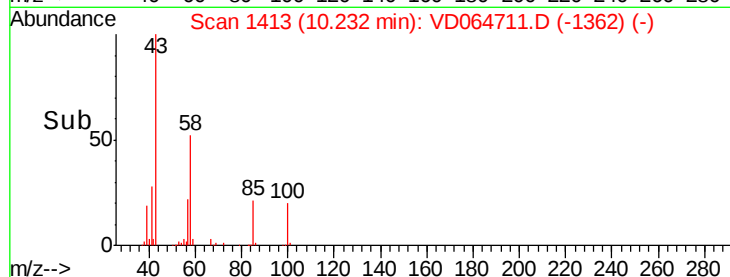
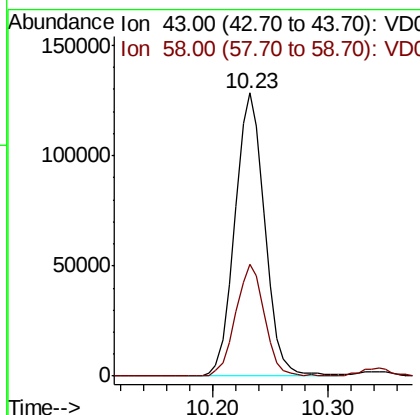
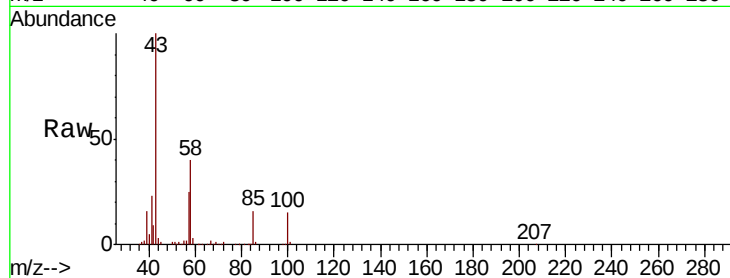
#51
4-Methyl-2-Pentanone
Concen: 99.331 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.2	45.2

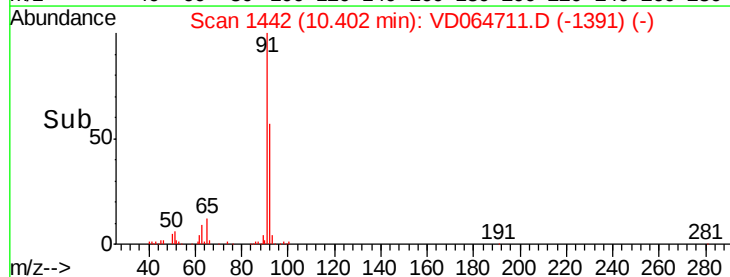
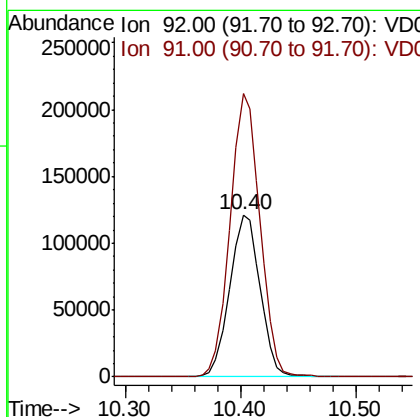
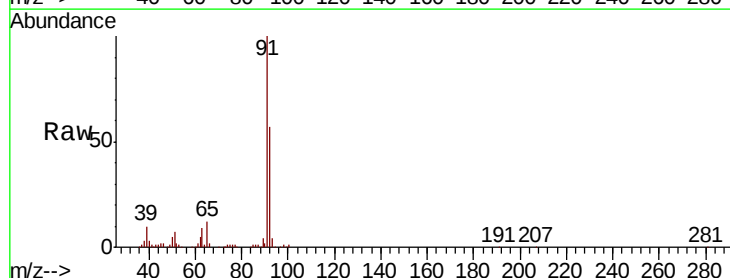
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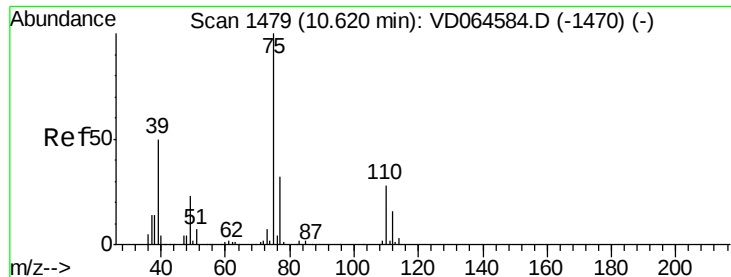
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#52
Toluene
Concen: 20.696 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	138.7	208.1





#53

t-1,3-Dichloropropene

Concen: 20.932 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 75 Resp: 112668

Ion Ratio Lower Upper

75 100

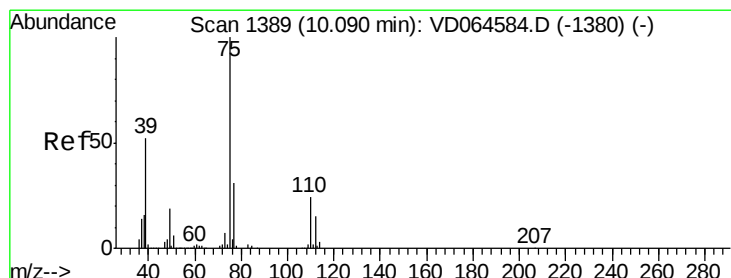
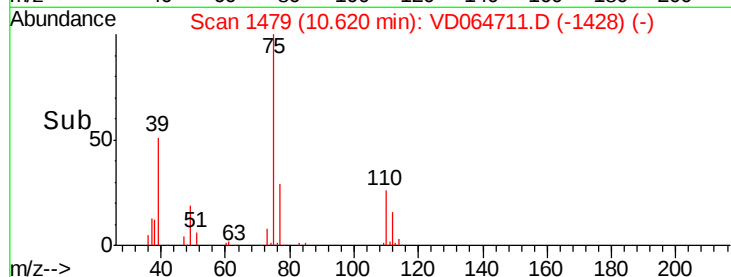
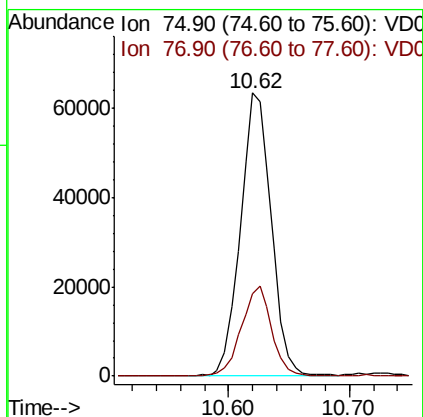
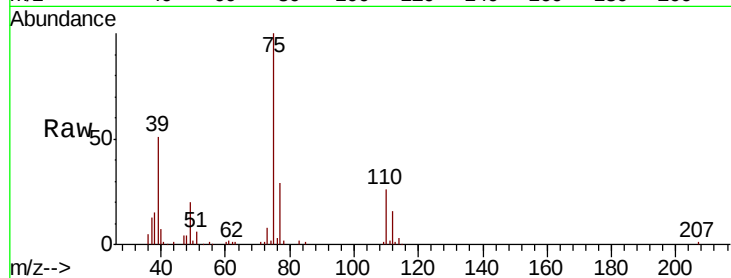
77 29.0 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 20.902 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

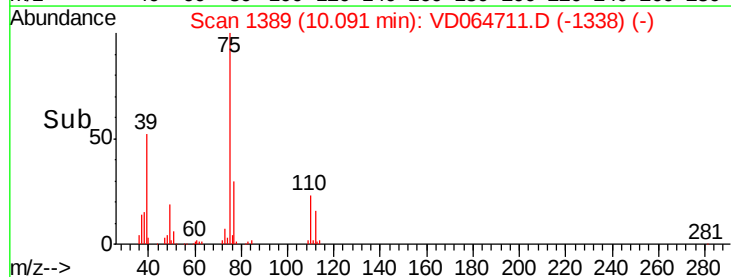
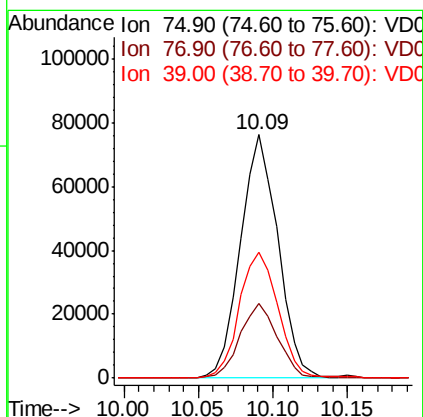
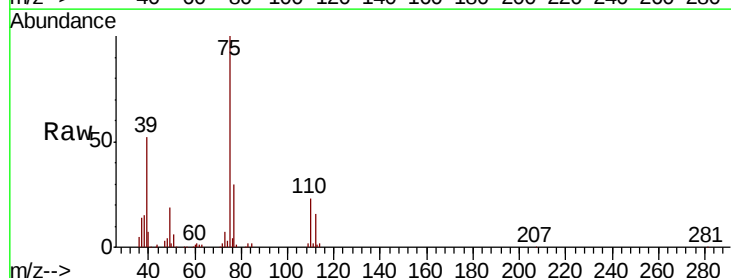
Tgt Ion: 75 Resp: 132663

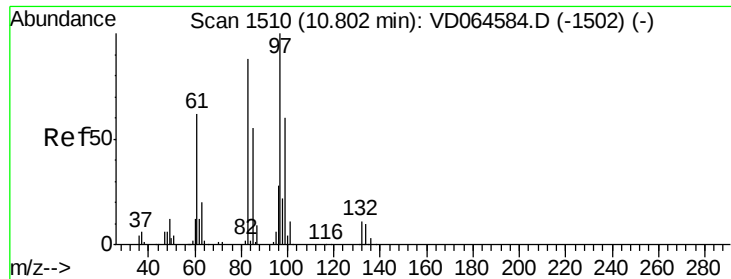
Ion Ratio Lower Upper

75 100

77 30.5 24.6 36.8

39 51.8 41.4 62.2





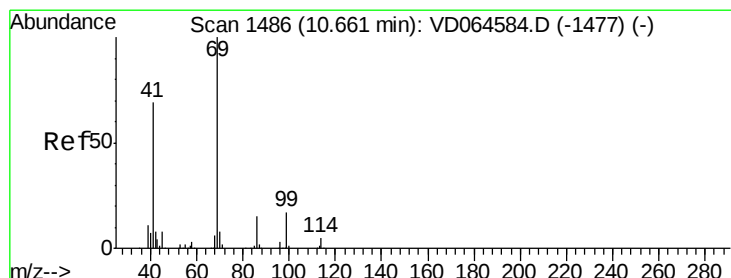
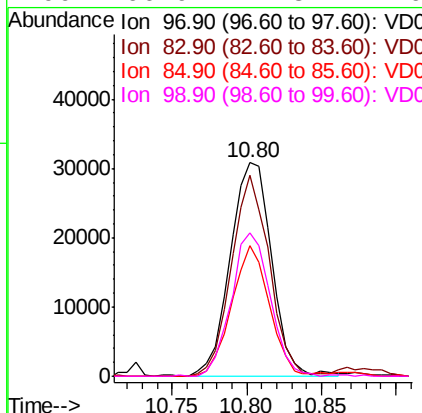
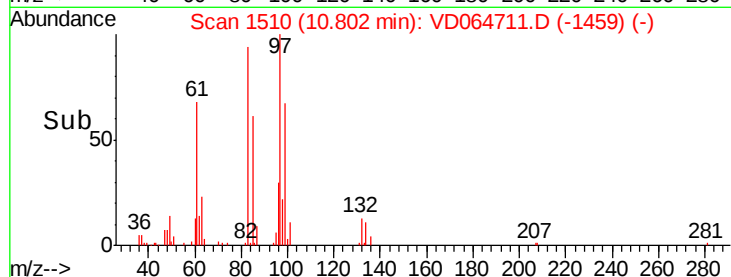
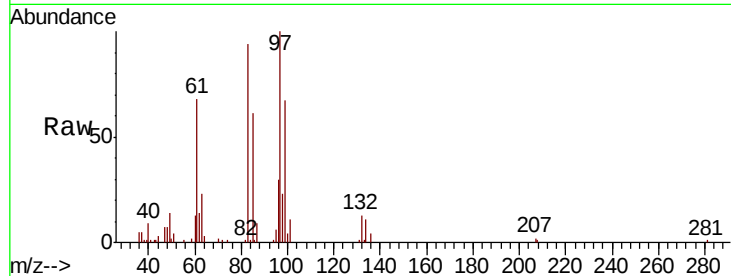
#55
 1,1,2-Trichloroethane
 Concen: 20.474 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion:	97	Resp:	59864
Ion	Ratio	Lower	Upper
97	100		
83	94.2	70.2	105.4
85	61.2	44.0	66.0
99	66.9	47.8	71.6

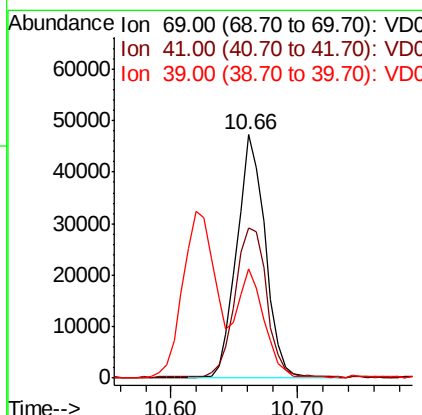
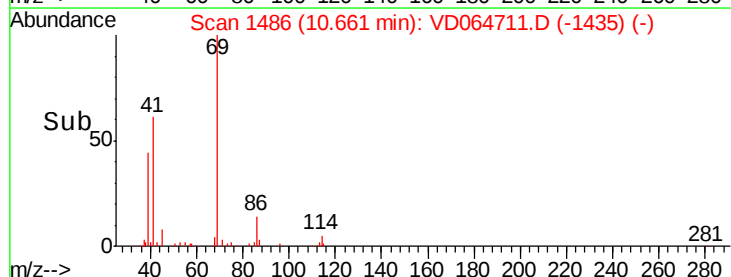
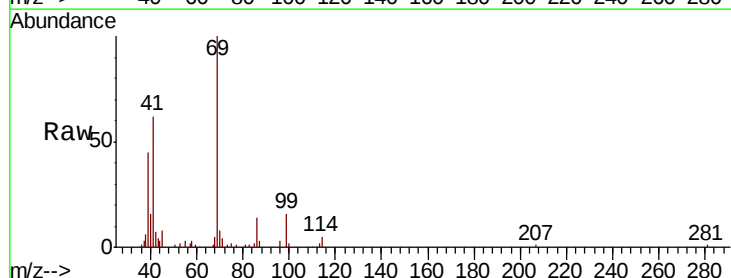
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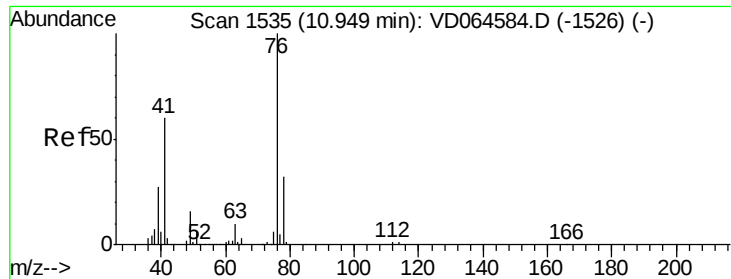
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#56
 Ethyl methacrylate
 Concen: 20.224 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion:	69	Resp:	73852
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.3	82.9
39	42.3	33.8	50.8





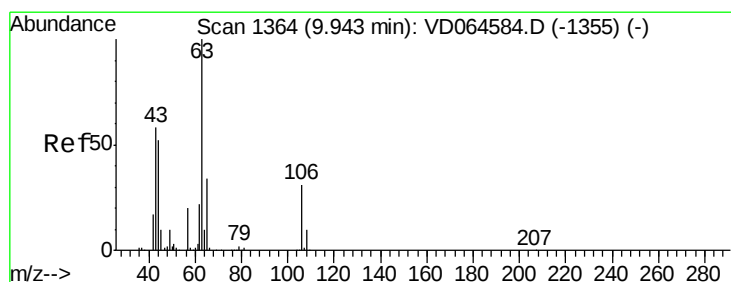
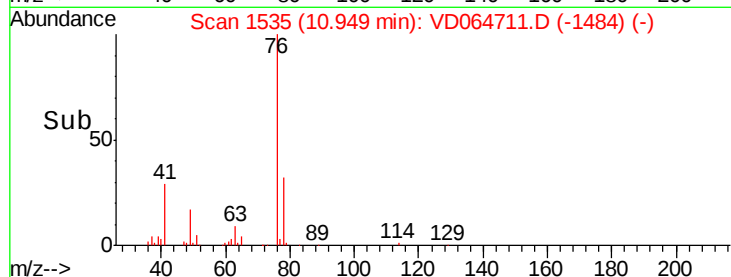
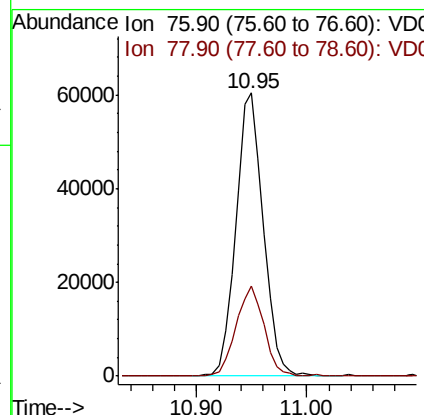
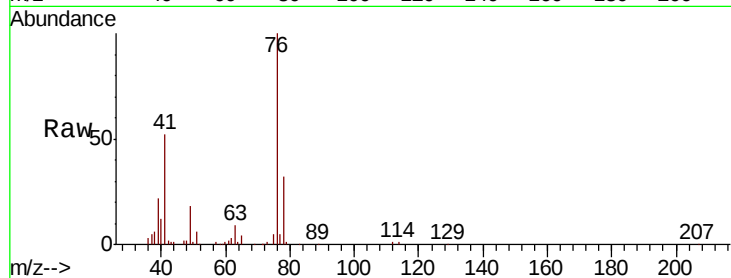
#57
 1,3-Dichloropropane
 Concen: 20.859 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

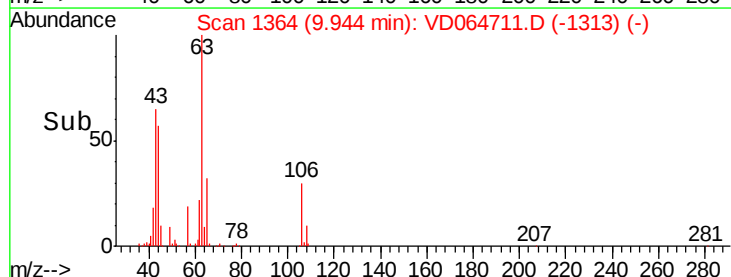
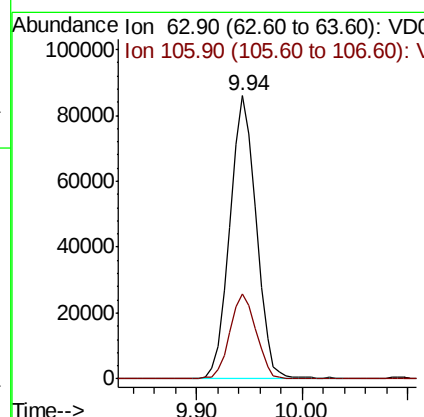
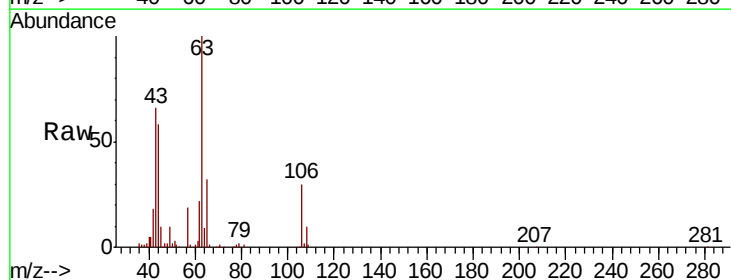
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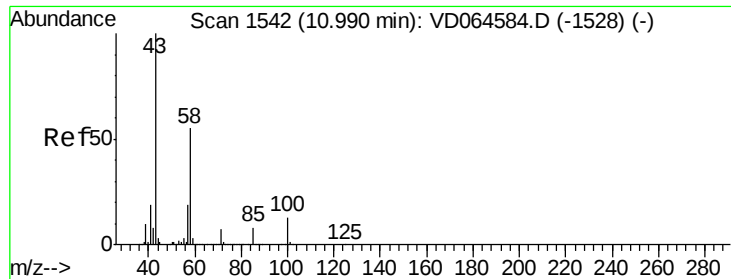
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.631 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.8	35.8





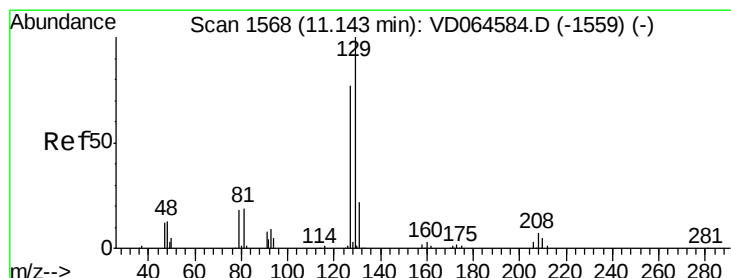
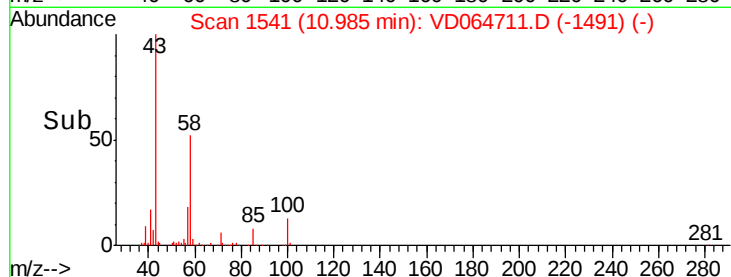
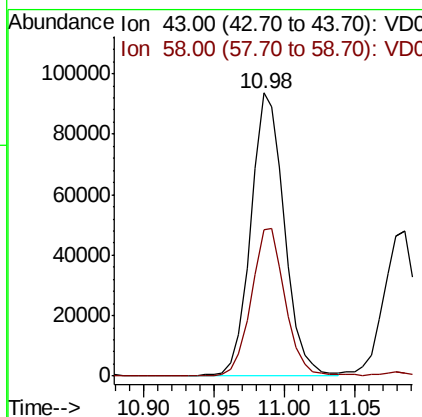
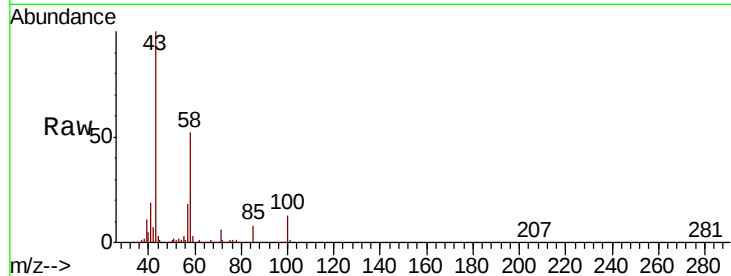
#59
2-Hexanone
Concen: 99.851 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion: 43 Resp: 156384
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0

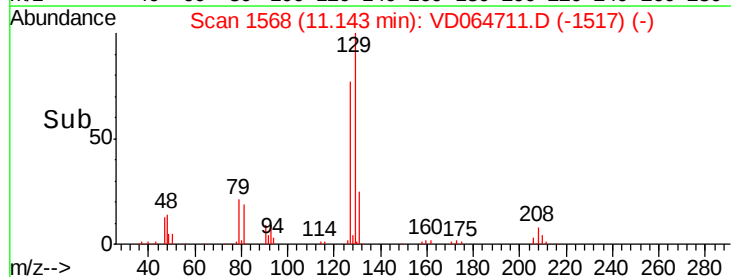
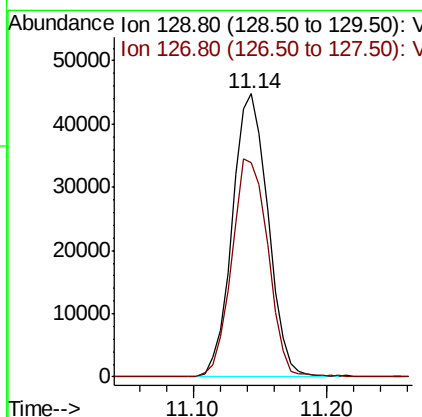
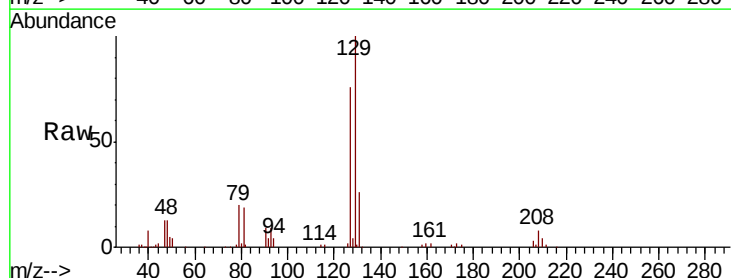
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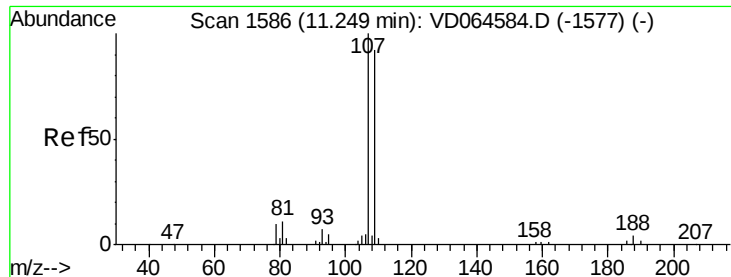
apatel
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#60
Dibromochloromethane
Concen: 20.573 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion:129 Resp: 83186
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





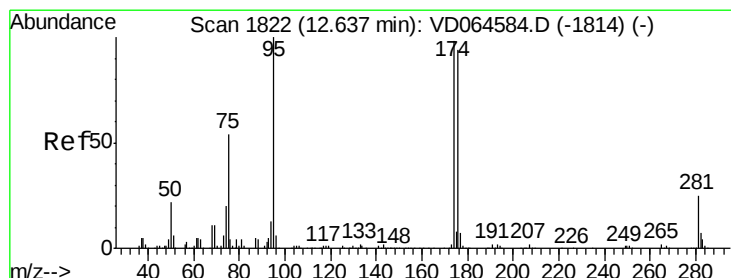
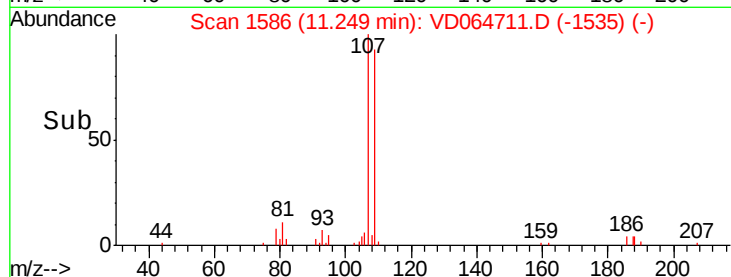
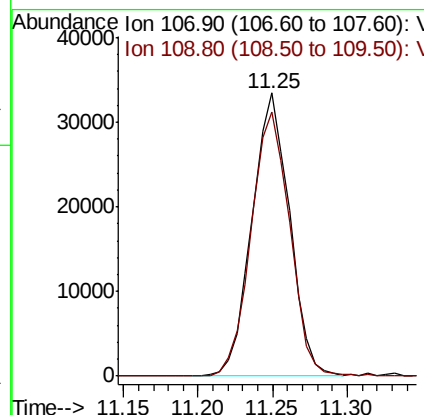
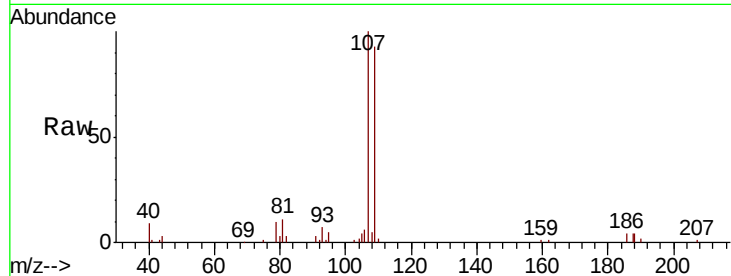
#61
 1,2-Dibromoethane
 Concen: 20.171 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.6	113.4

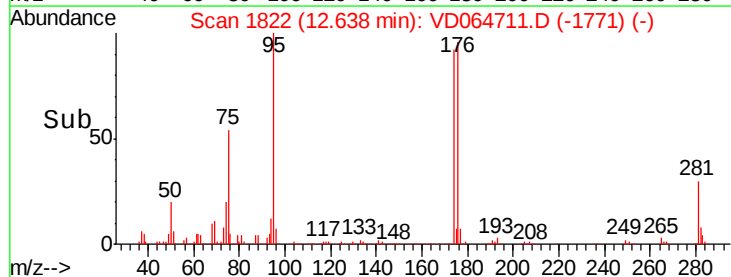
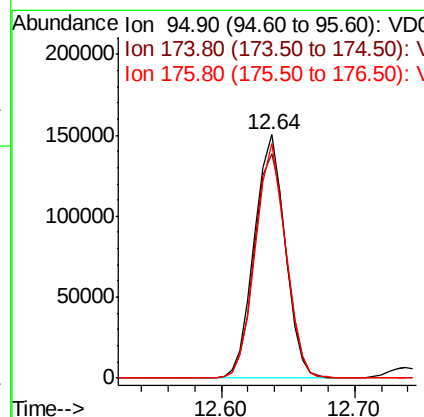
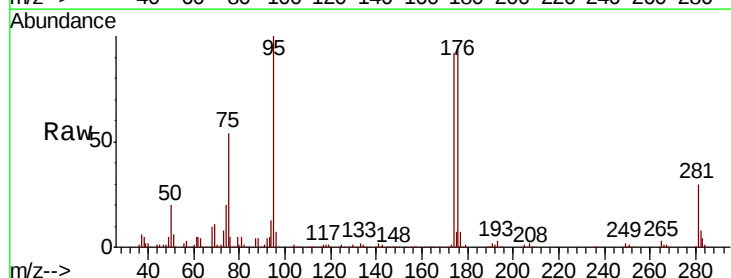
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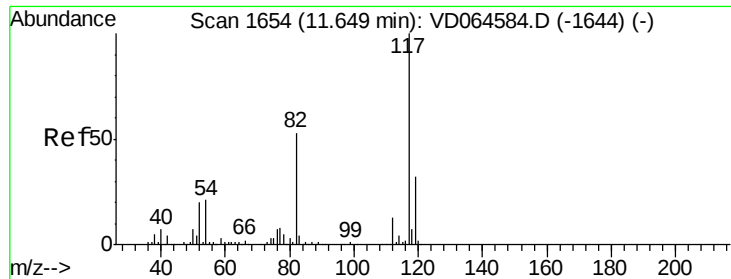
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.940 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	193.2
176	94.8	0.0	184.2





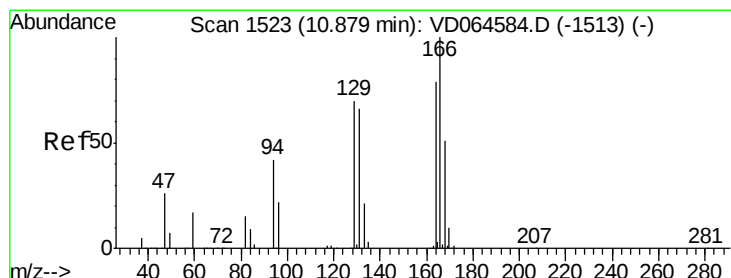
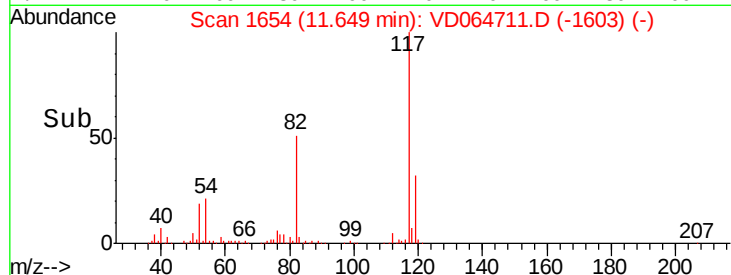
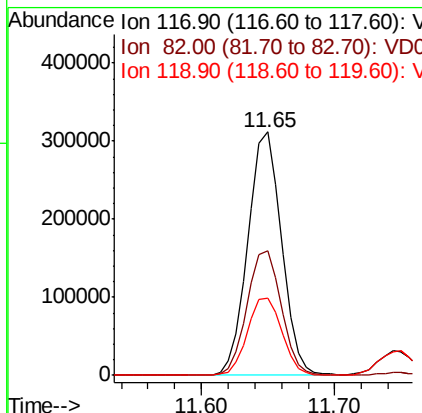
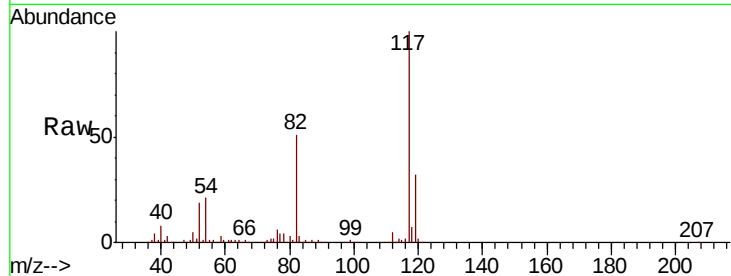
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	543887		
82	51.0		42.2	63.4
119	31.8		26.0	39.0

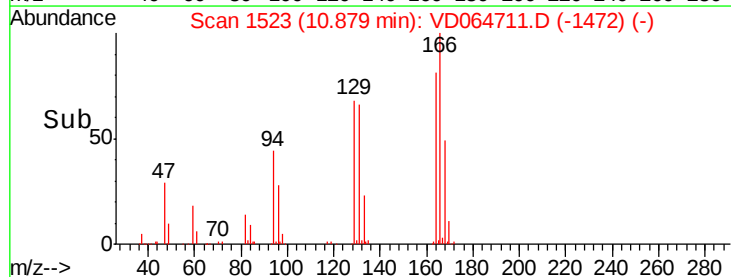
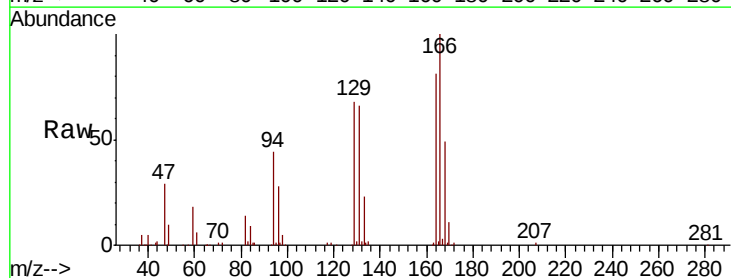
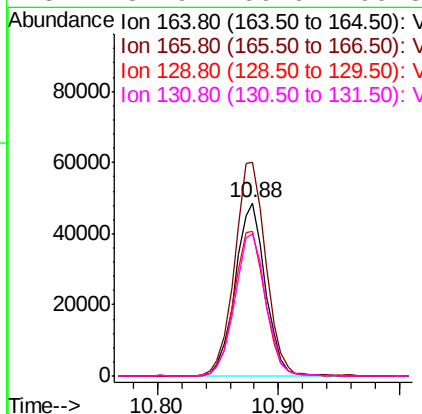
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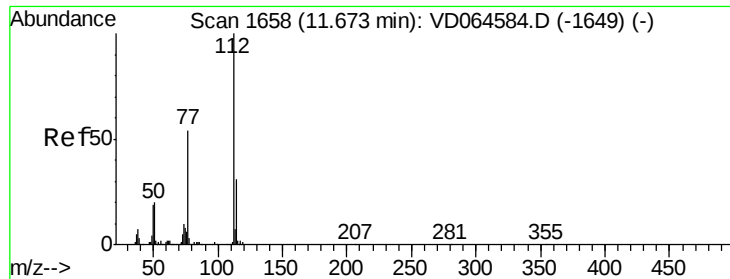
apatel
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#64
Tetrachloroethene
Concen: 20.266 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84564		
166	123.4		101.3	151.9
129	83.3		70.5	105.7
131	81.9		66.6	99.8





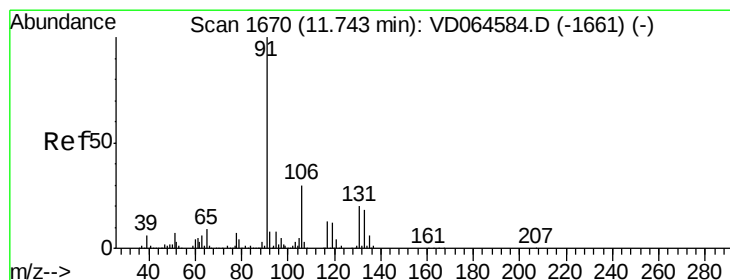
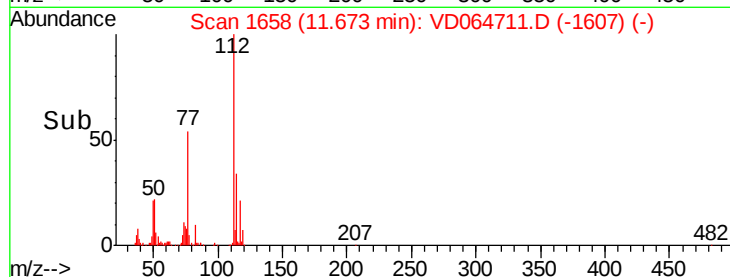
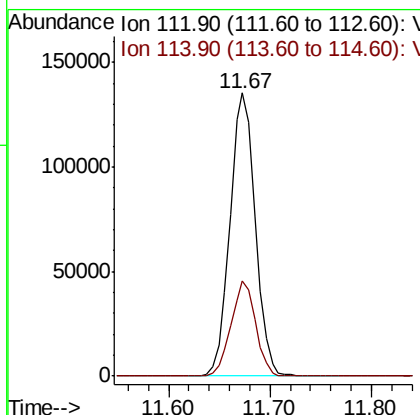
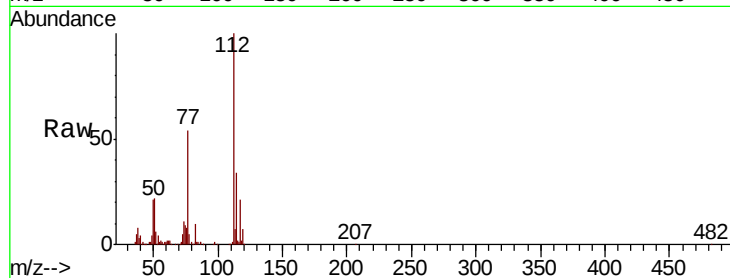
#65
Chlorobenzene
Concen: 20.711 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.8	37.2

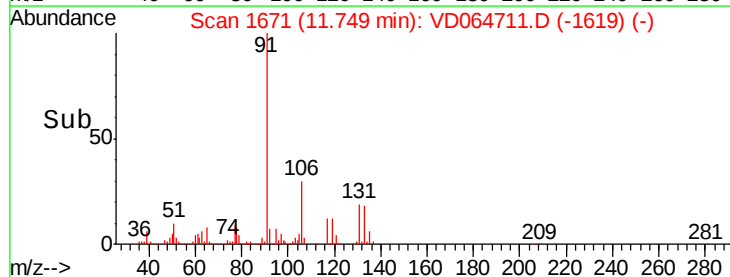
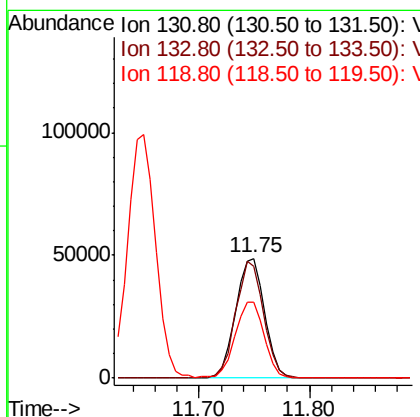
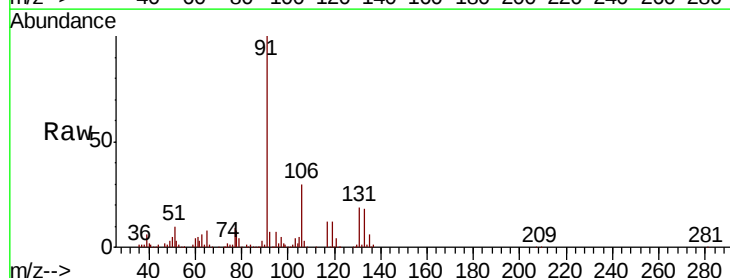
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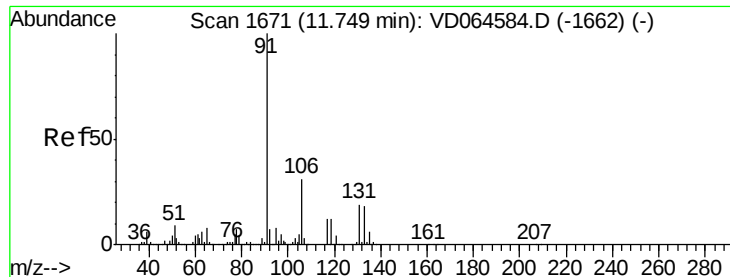
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.084 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.3	144.8
119	63.5	32.1	96.3





#67

Ethyl Benzene

Concen: 20.580 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleID :

VD0102SBS01

Tot Ion: 91 Resp: 421667

Ion Ratio Lower Upper

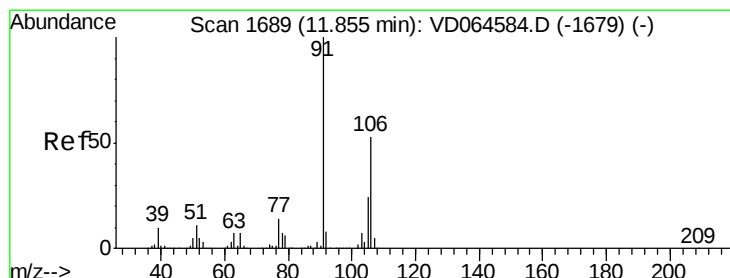
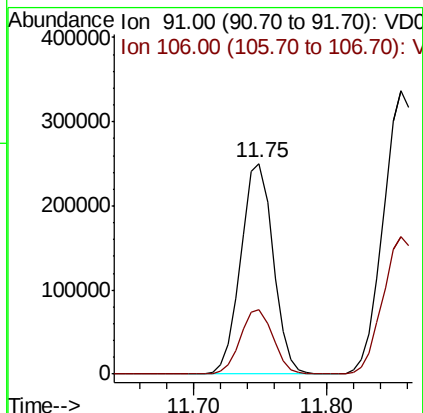
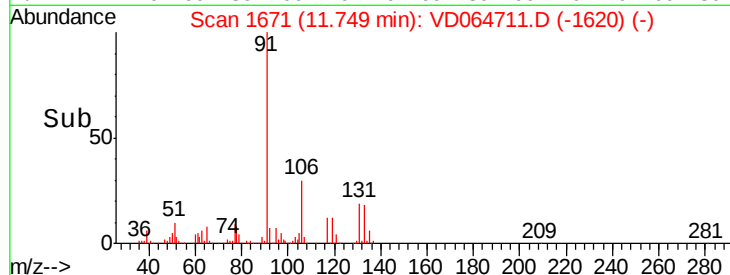
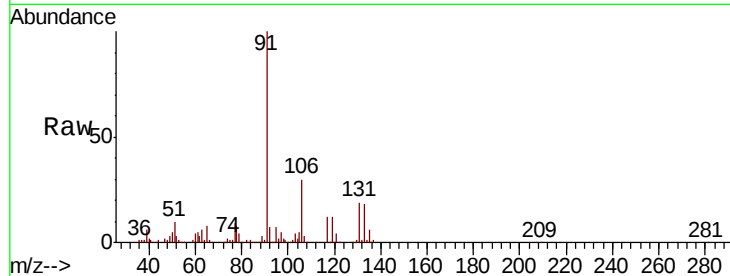
91 100

106 30.3 24.6 36.8

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#68

m/p-Xylenes

Concen: 40.329 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064711.D

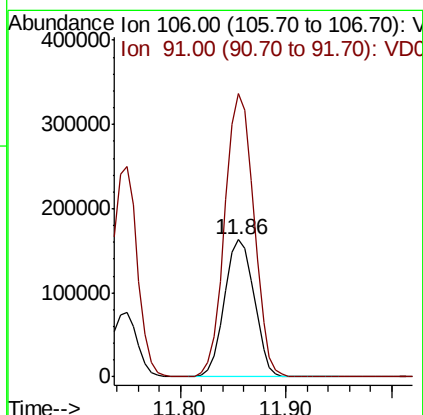
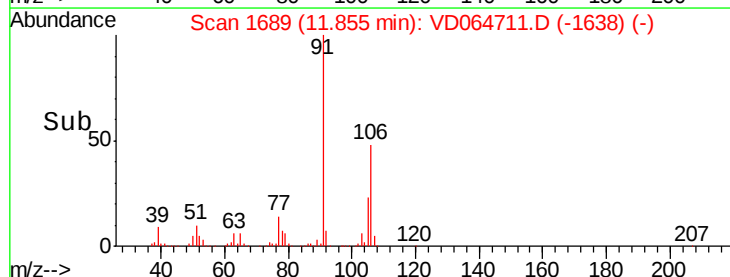
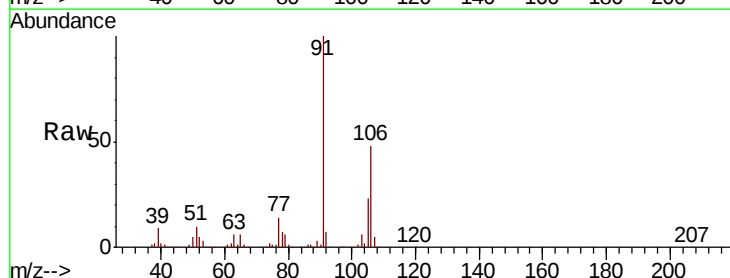
Acq: 02 Jan 2020 12:10

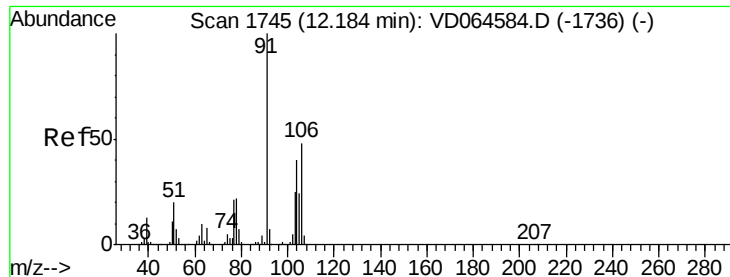
Tgt Ion: 106 Resp: 318932

Ion Ratio Lower Upper

106 100

91 201.9 156.3 234.5





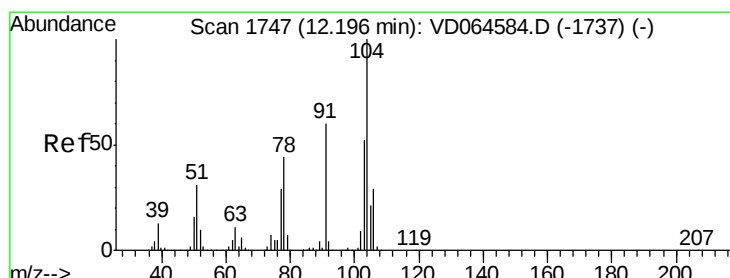
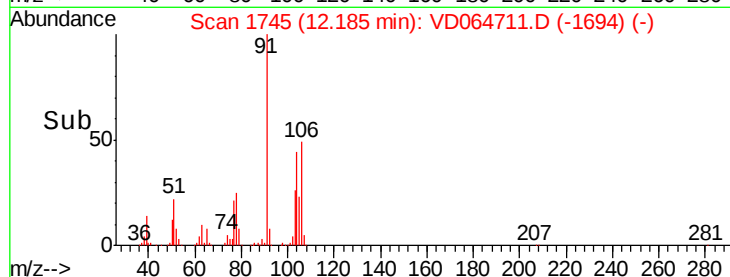
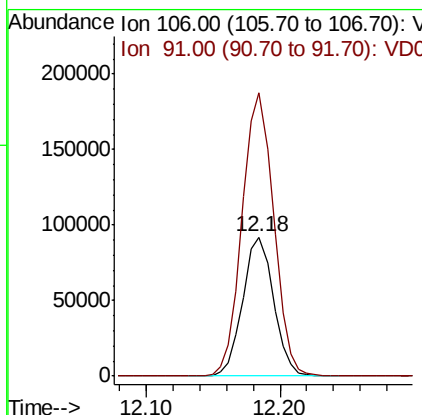
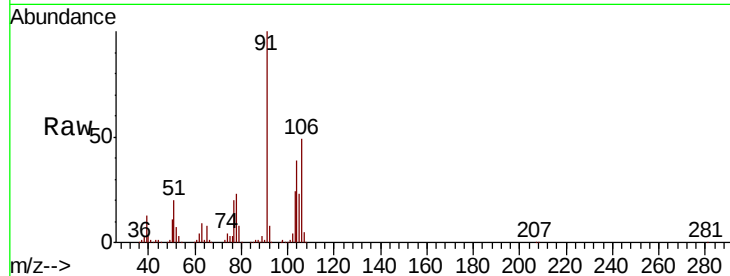
#69
o-Xylene
Concen: 20.677 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		147696		
91	208.2	104.8	314.4		

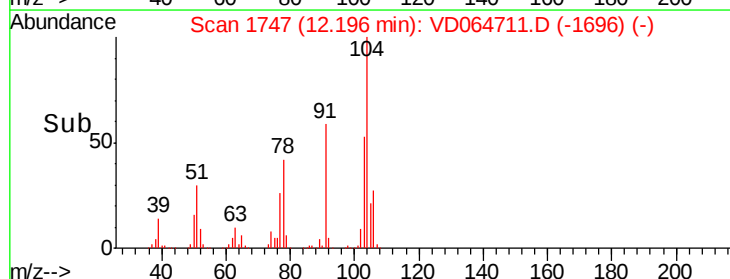
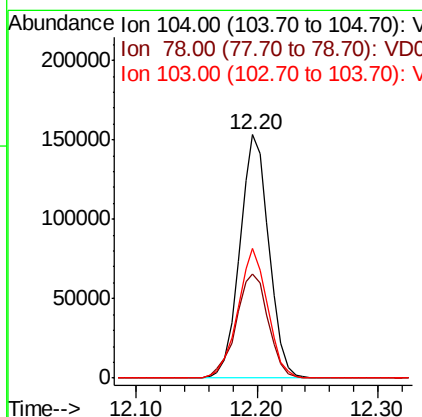
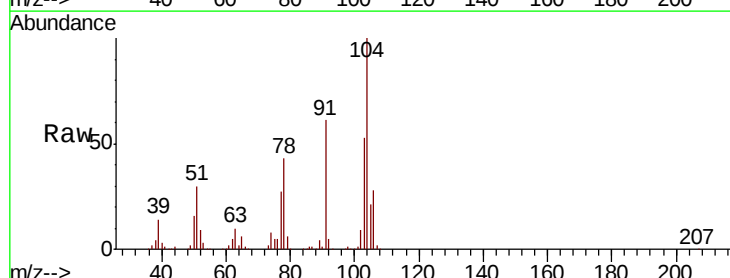
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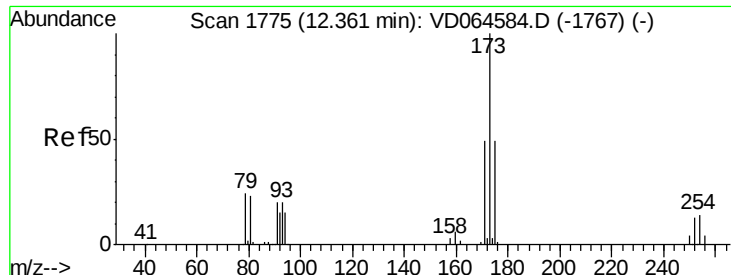
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#70
Styrene
Concen: 20.405 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		255845		
78	47.7	38.2	57.2		
103	55.0	44.6	67.0		





#71

Bromoform

Concen: 20.563 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

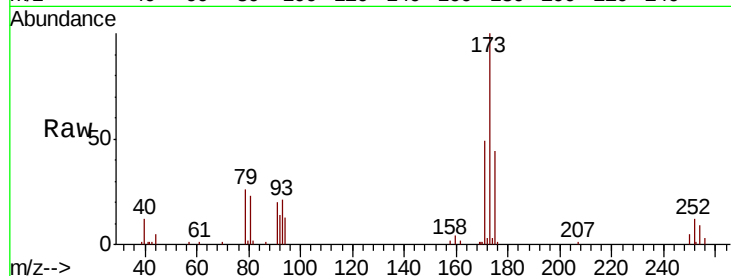
ClientSampleId :

VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.6	73.8
254	0.2	0.1	0.1#

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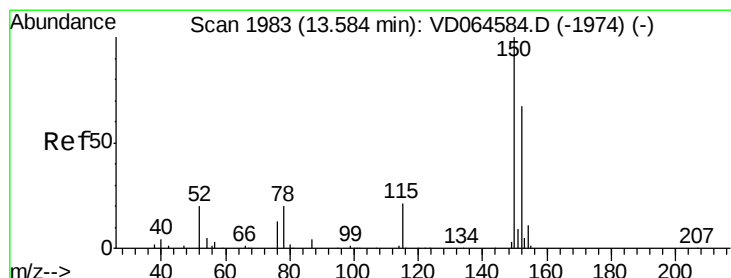
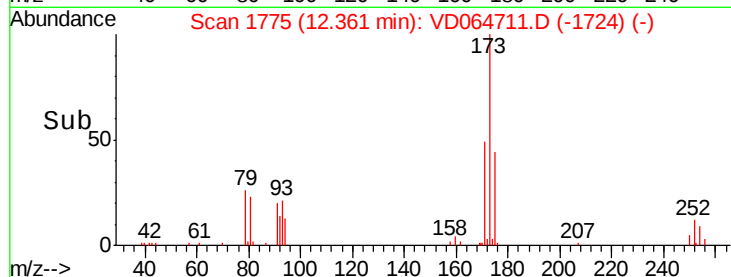
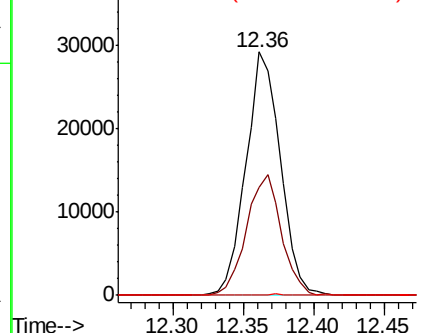


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

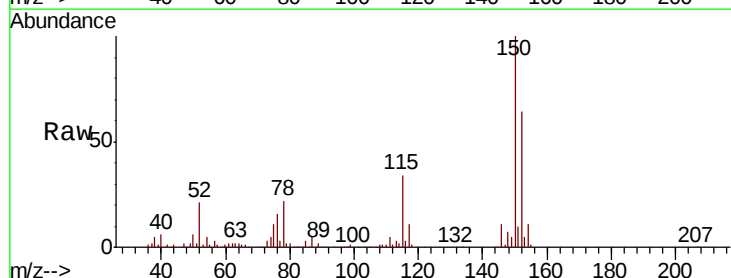
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.8	83.4
150	162.5	0.0	351.4

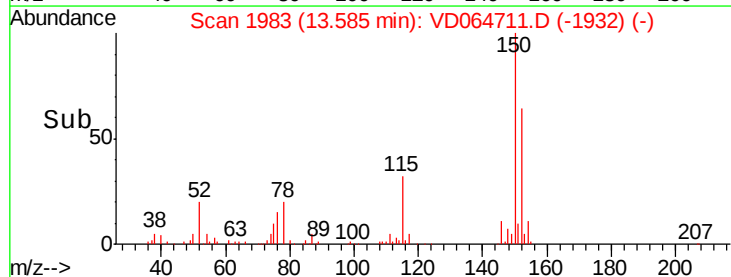
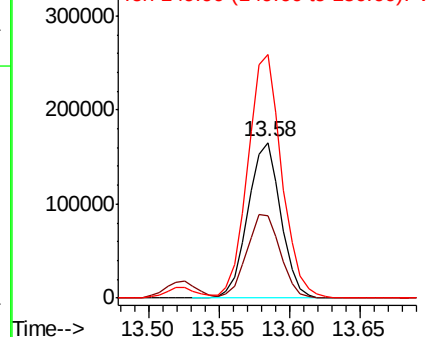


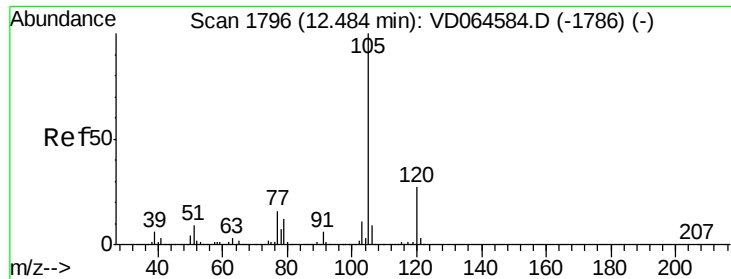
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





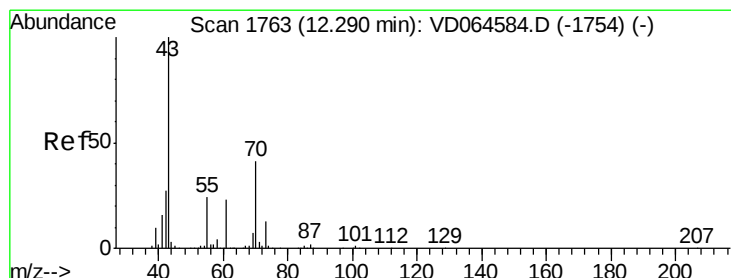
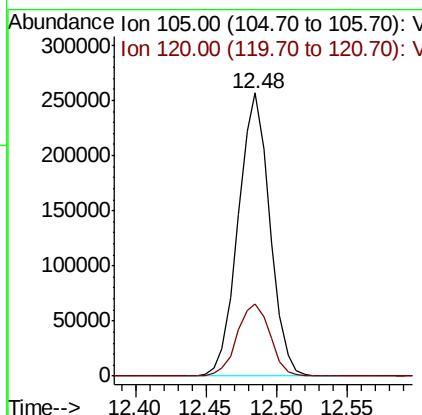
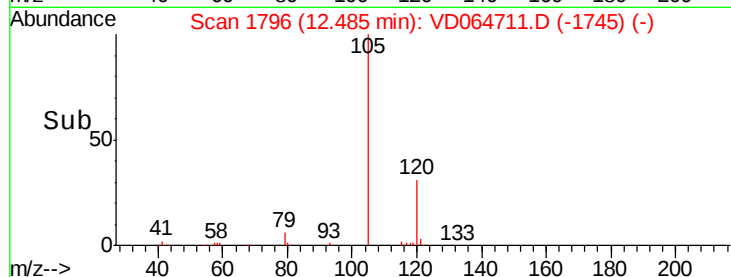
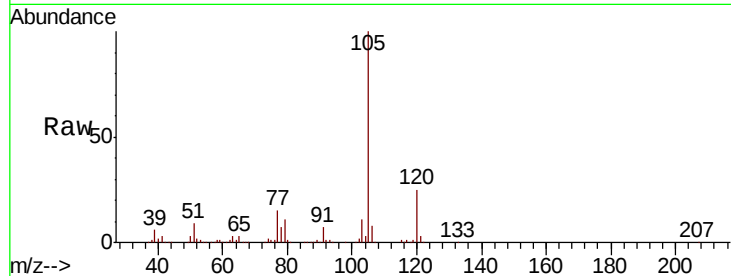
#73
Isopropylbenzene
Concen: 20.859 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.5

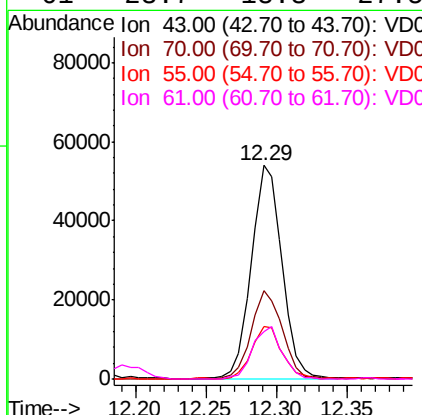
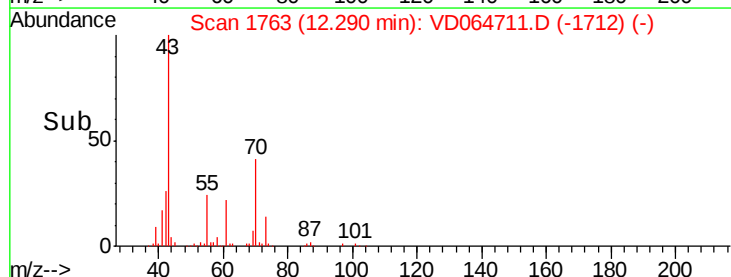
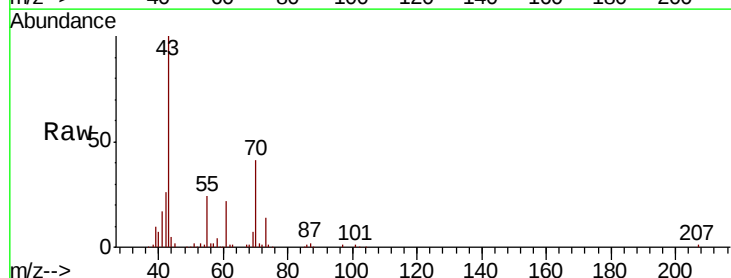
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#74
N-ethyl acetate
Concen: 20.178 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.4	50.0
55	24.0	19.4	29.0
61	23.7	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.700 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

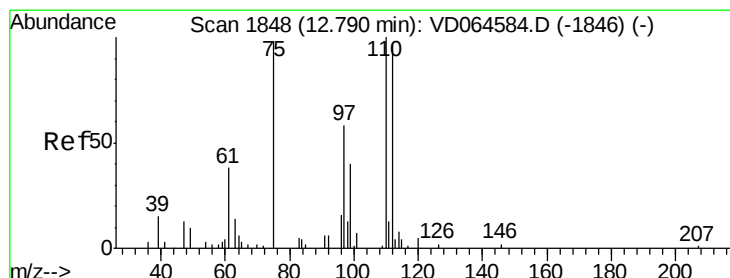
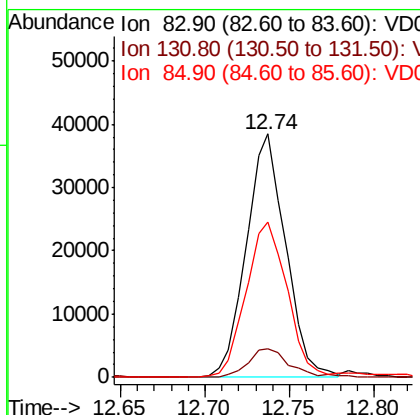
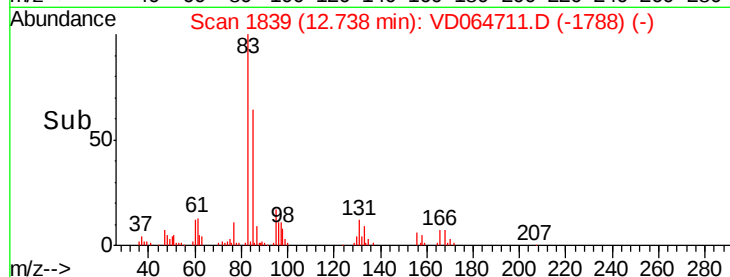
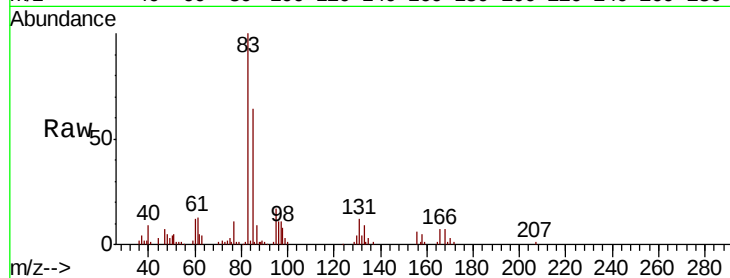
ClientSampleId :

VD0102SBSD01

Tot Ion:	83	Resp:	62548
Ion Ratio	Lower	Upper	
83	100		
131	12.7	5.8	17.4
85	66.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 21.851 ug/l m

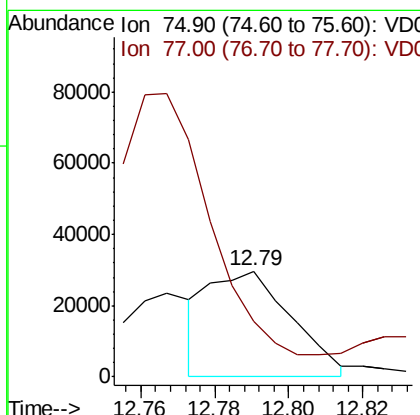
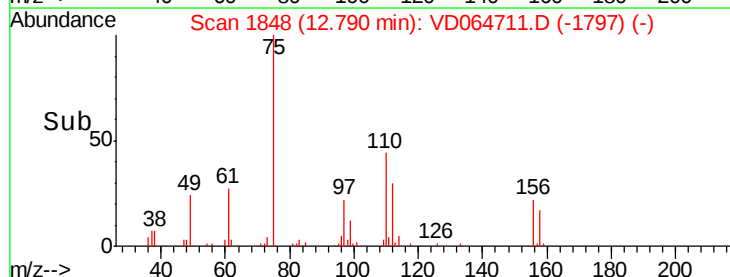
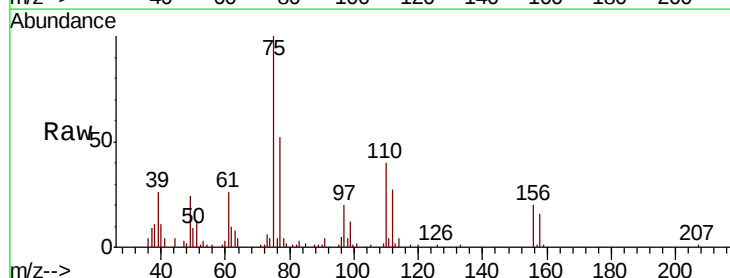
RT: 12.79 min Scan# 1848

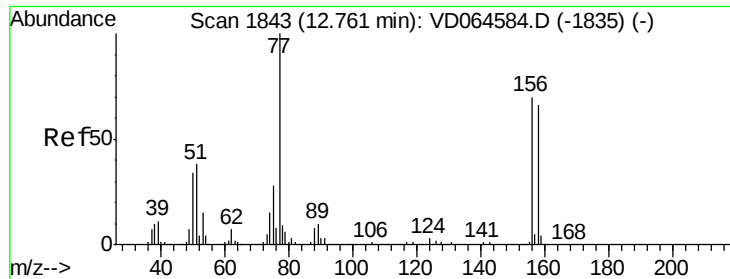
Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion:	75	Resp:	46443
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.501 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

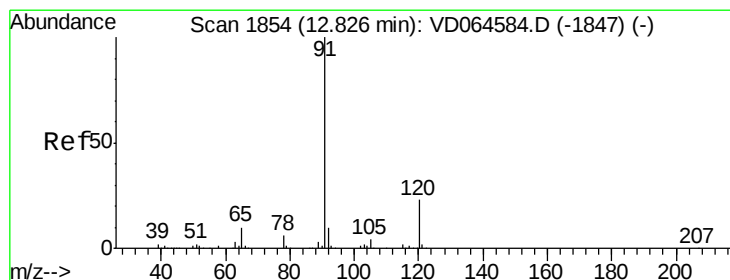
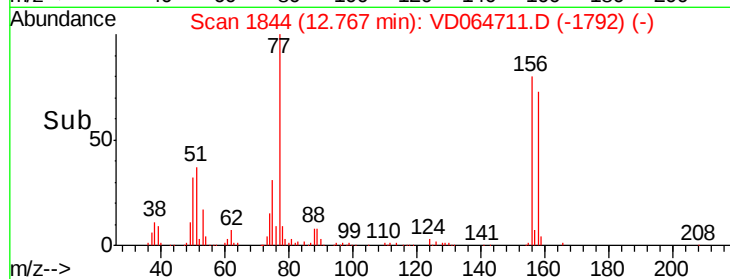
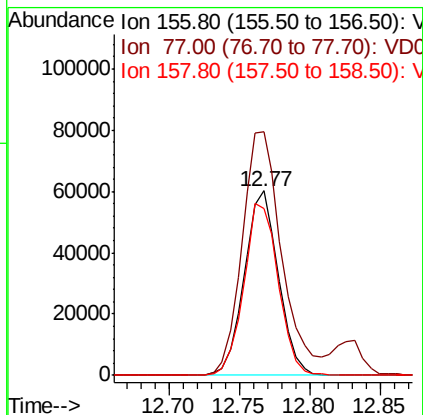
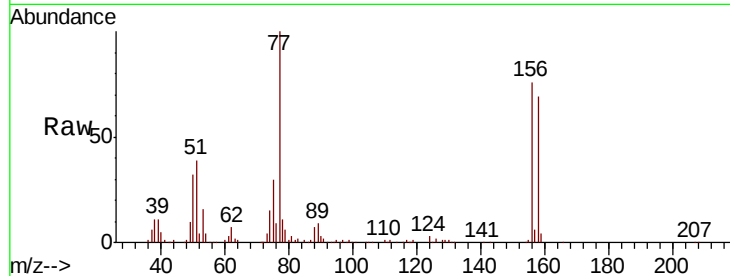
ClientSampleId :

VD0102SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		101621		
77	154.3	80.9	242.7		
158	94.2	48.0	144.2		

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#78

n-propylbenzene

Concen: 21.122 ug/l

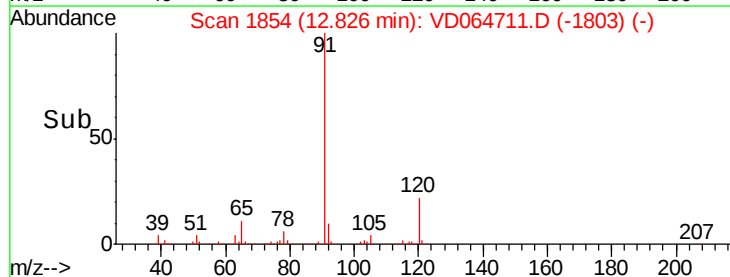
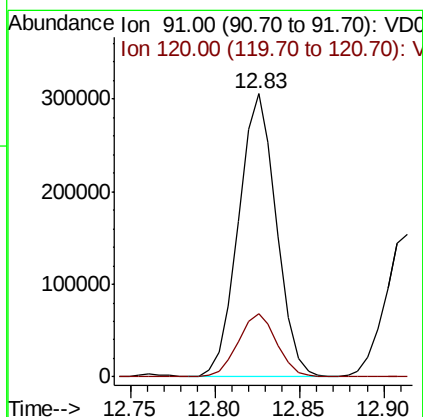
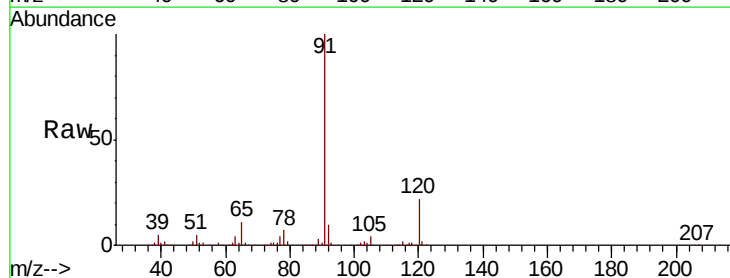
RT: 12.83 min Scan# 1854

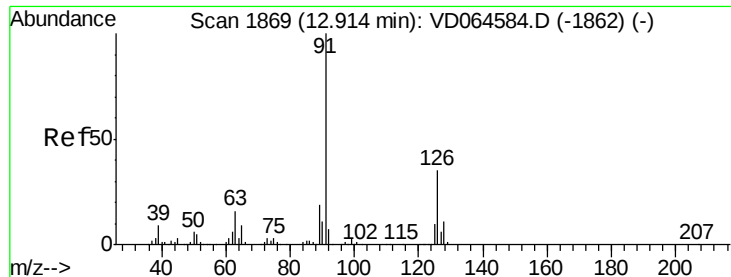
Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		473977		
120	22.8	11.9	35.9		





#79

2-Chlorotoluene

Concen: 20.667 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

Tot Ion: 91 Resp: 254760

Ion Ratio Lower Upper

91 100

126 36.0

17.8

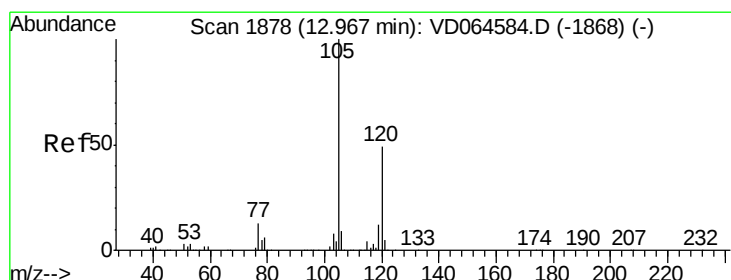
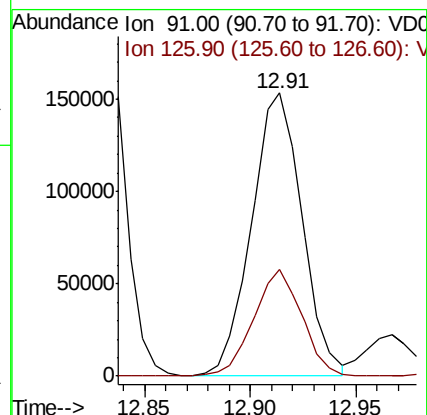
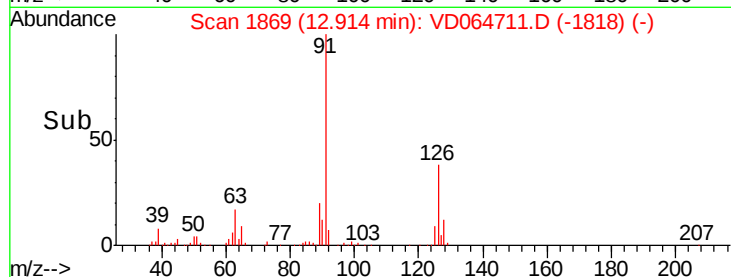
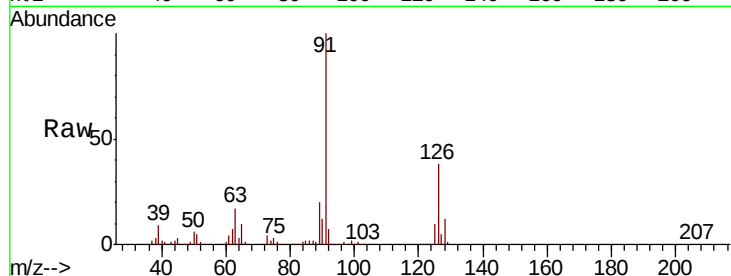
53.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.721 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion:105 Resp: 327396

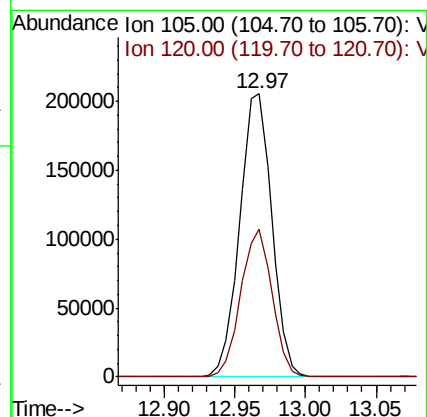
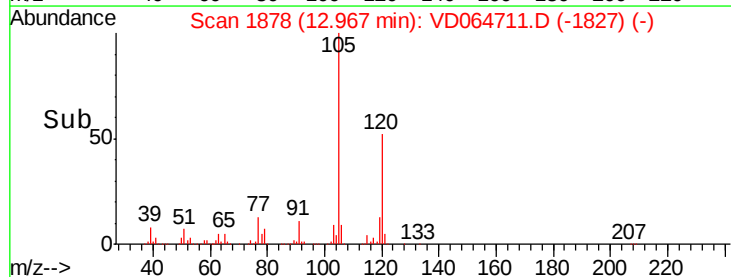
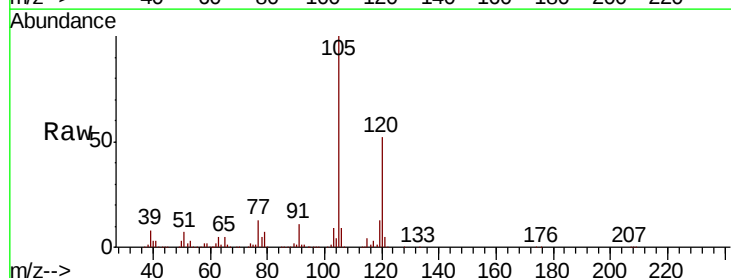
Ion Ratio Lower Upper

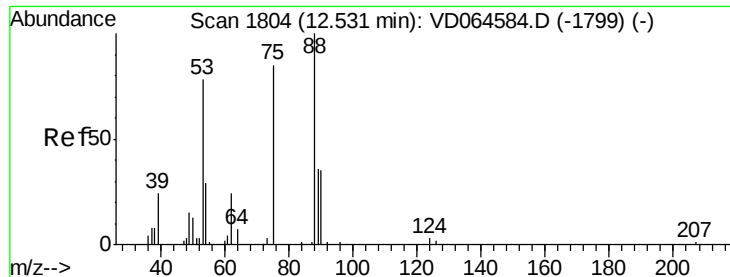
105 100

120 51.0

25.0

75.0





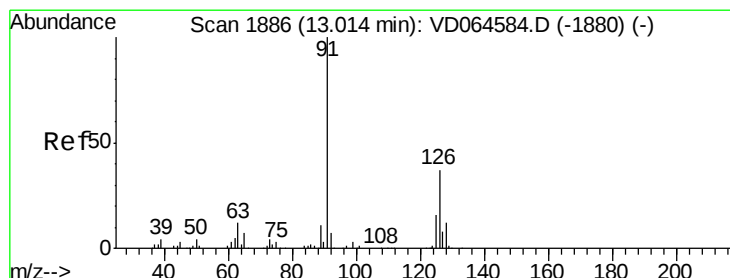
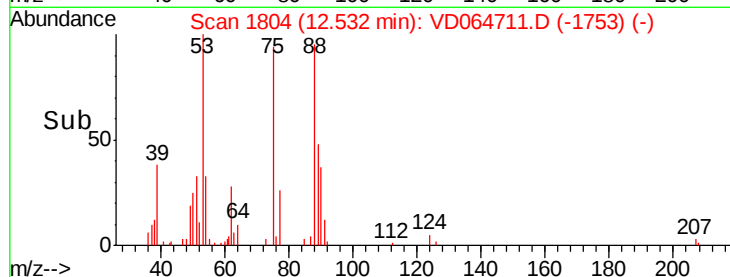
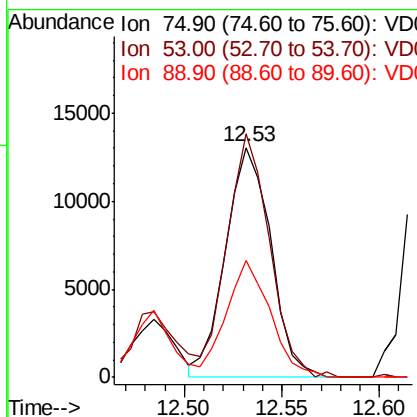
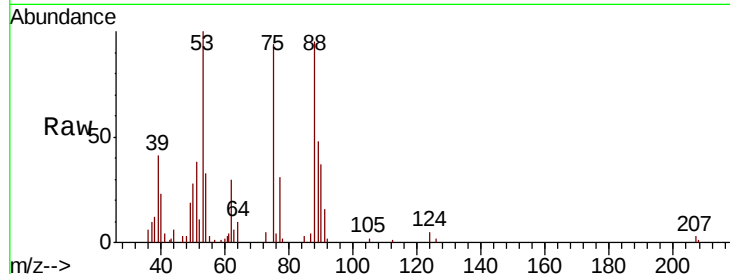
#81
trans-1,4-Dichloro-2-butene
Concen: 20.645 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	78.8	118.2
89	49.3	38.3	57.5

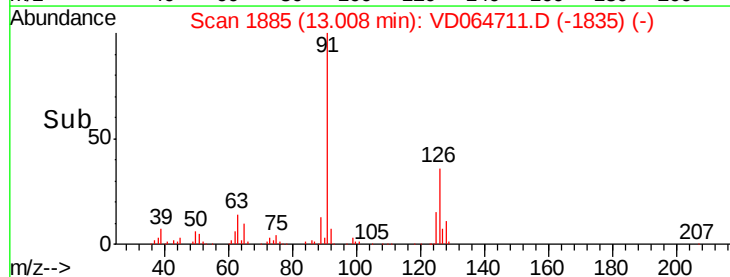
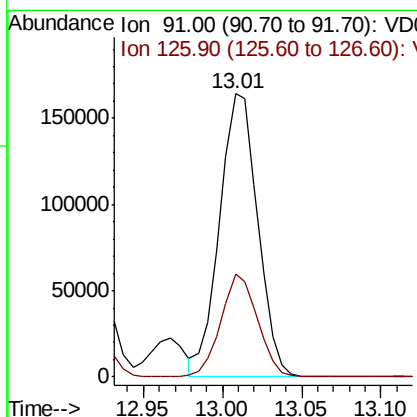
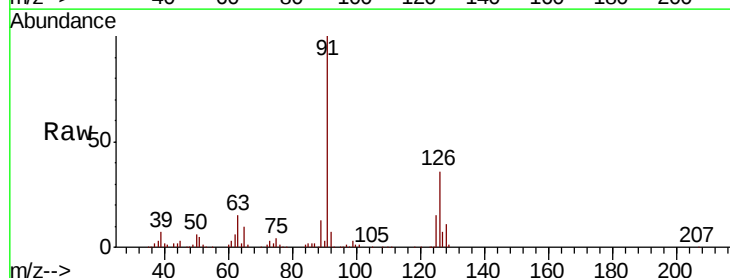
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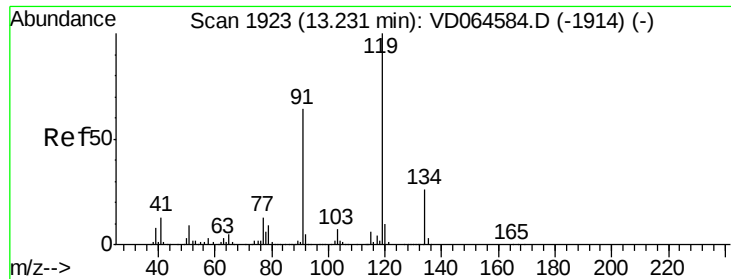
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#82
4-Chlorotoluene
Concen: 20.894 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.5





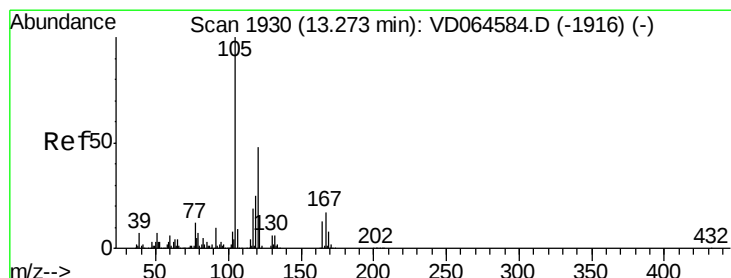
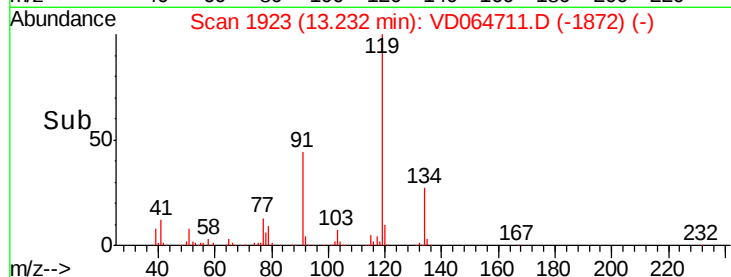
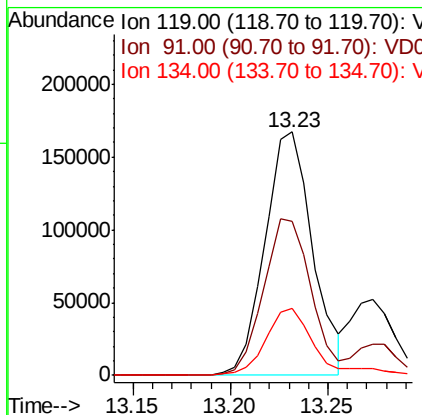
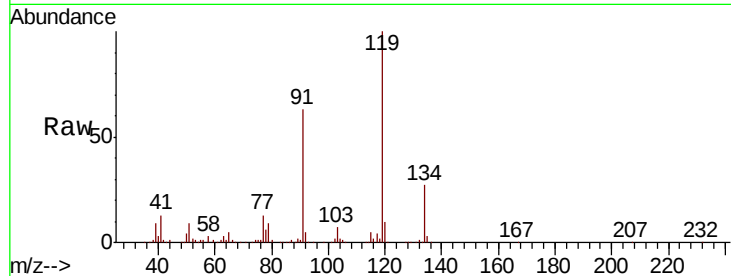
#83
 tert-Butylbenzene
 Concen: 20.664 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.8	92.4
134	28.7	12.8	38.3

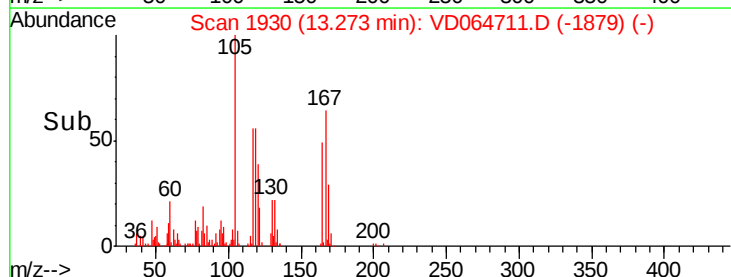
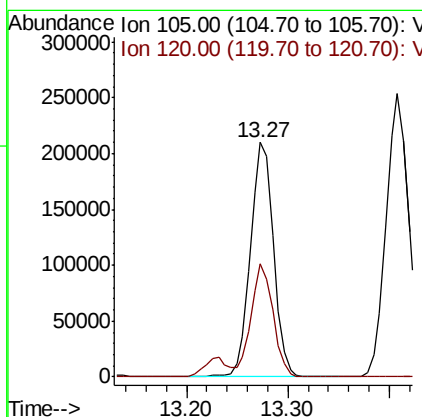
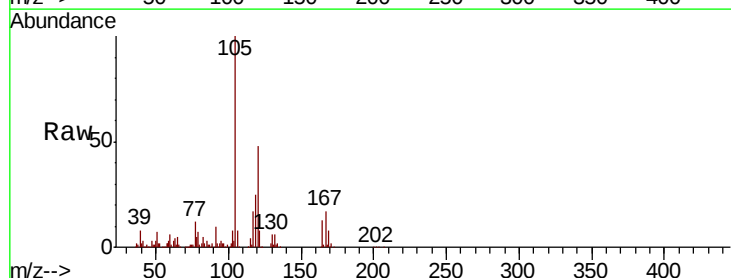
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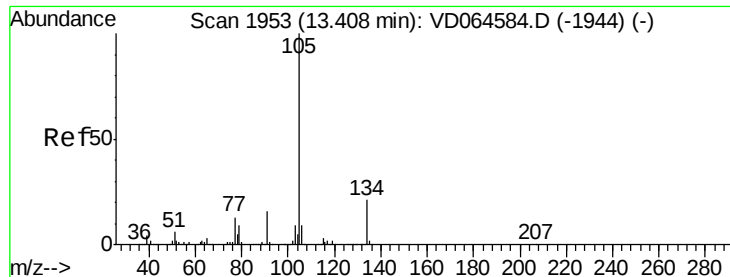
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.095 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.8	71.2





#85

sec-Butylbenzene

Concen: 20.891 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion:105 Resp: 392904

Ion Ratio Lower Upper

105 100

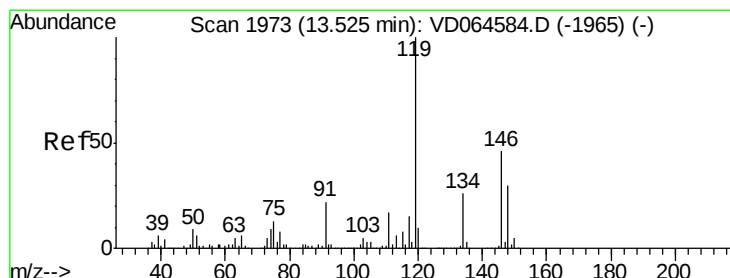
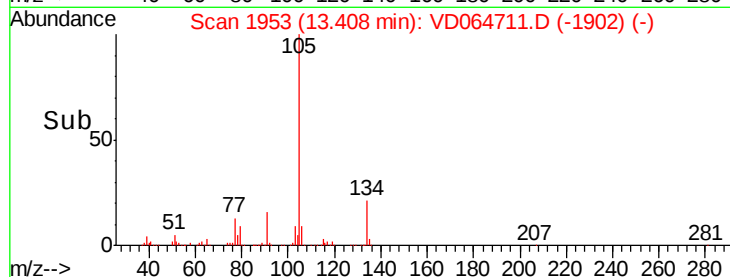
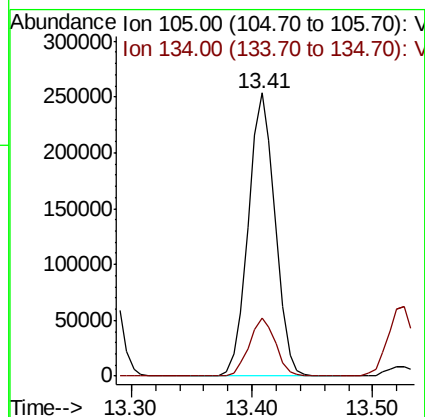
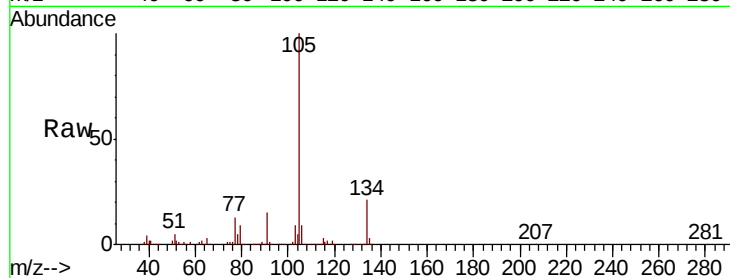
134 20.2 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 20.712 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

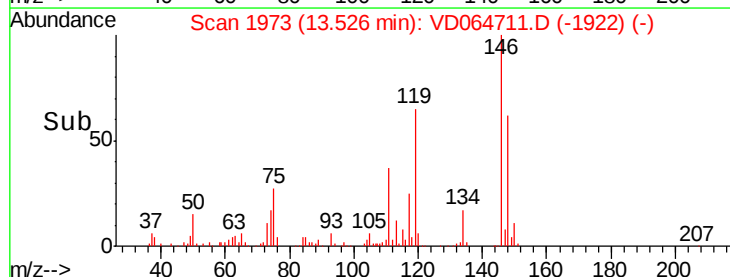
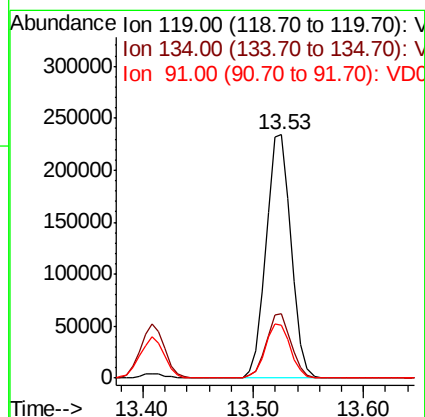
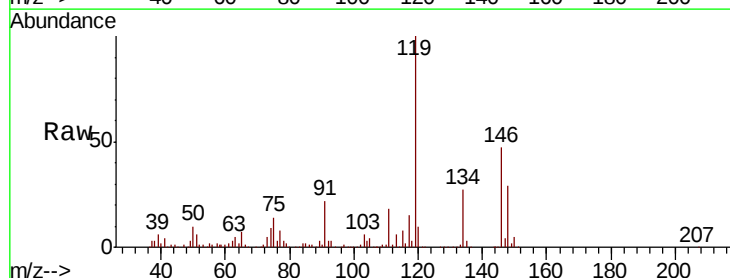
Tgt Ion:119 Resp: 372482

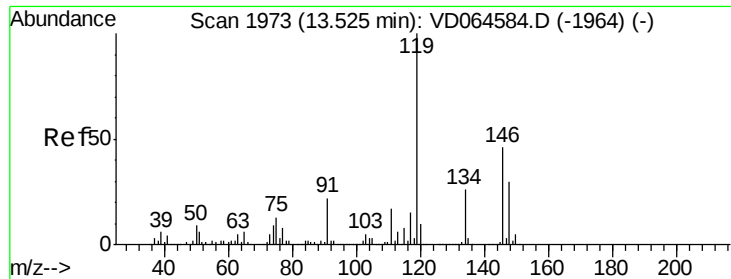
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

91 22.3 11.2 33.6





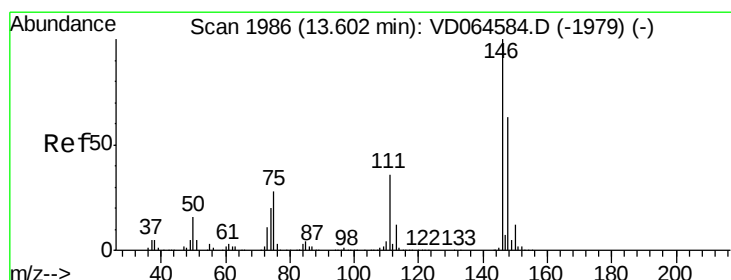
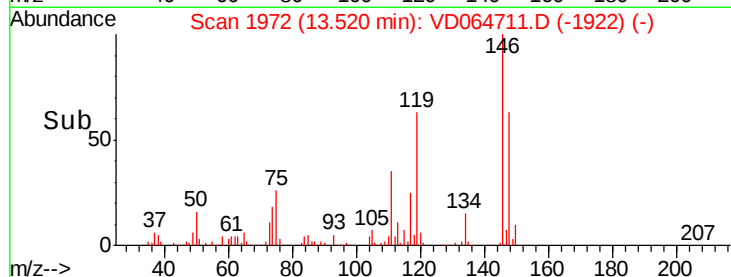
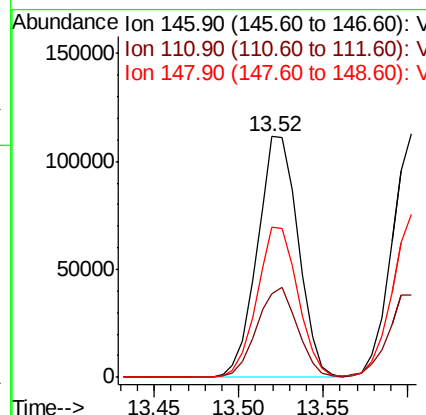
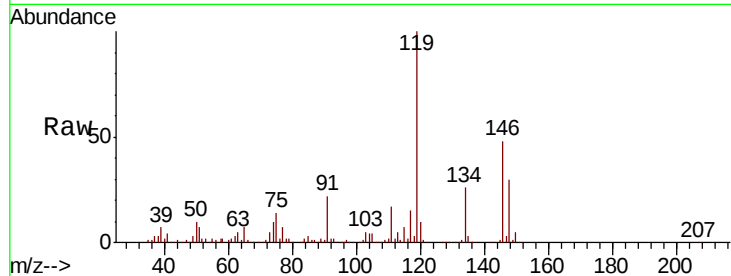
#87
 1,3-Dichlorobenzene
 Concen: 20.724 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	62.8	32.5	97.5

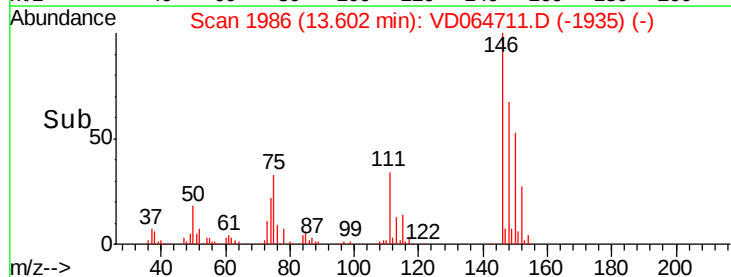
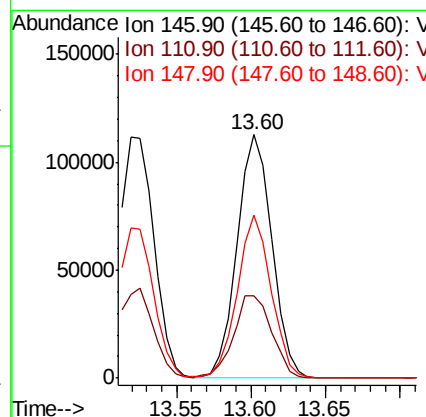
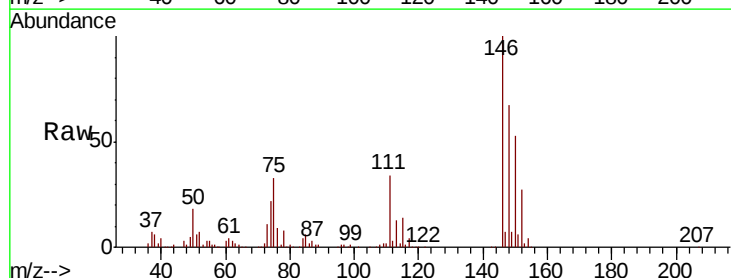
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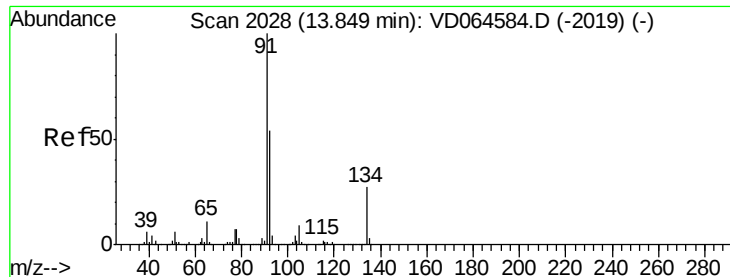
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#88
 1,4-Dichlorobenzene
 Concen: 20.705 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	65.2	32.3	96.9





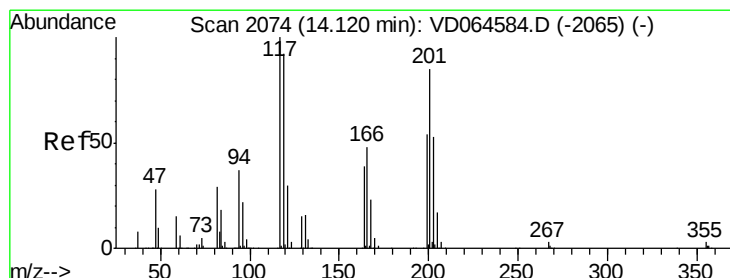
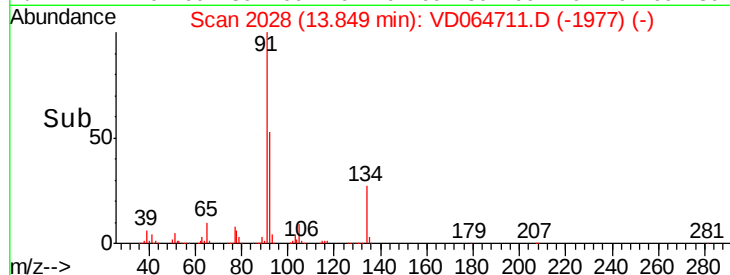
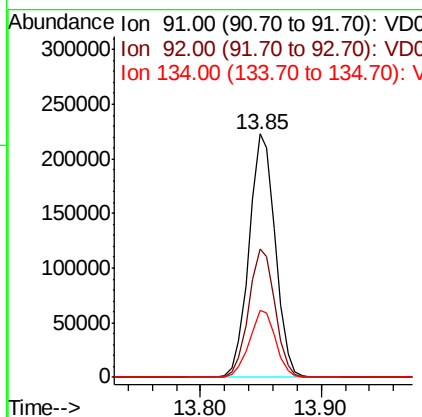
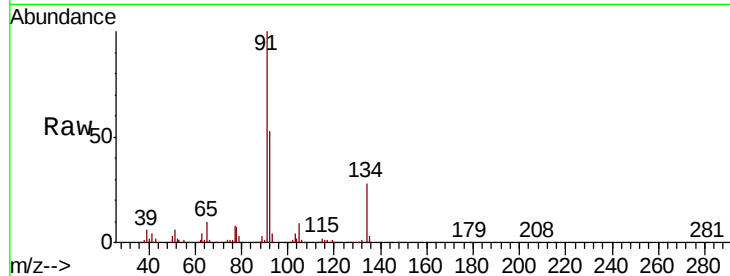
#89
n-Butylbenzene
Concen: 20.797 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	27.7	14.0	41.9

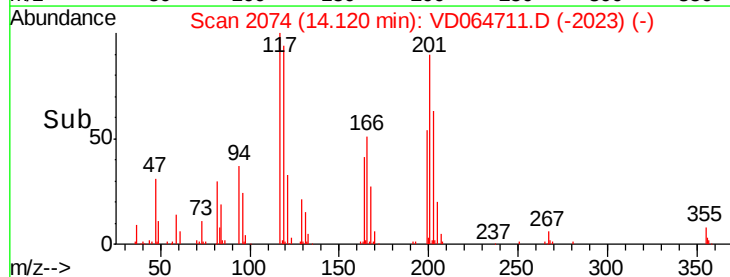
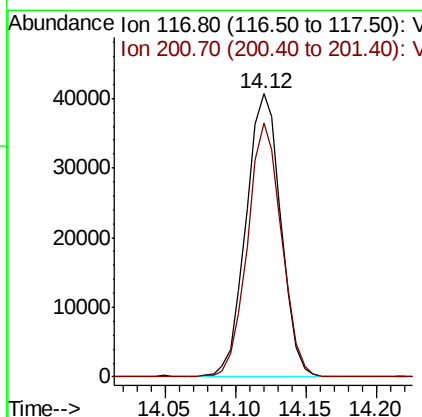
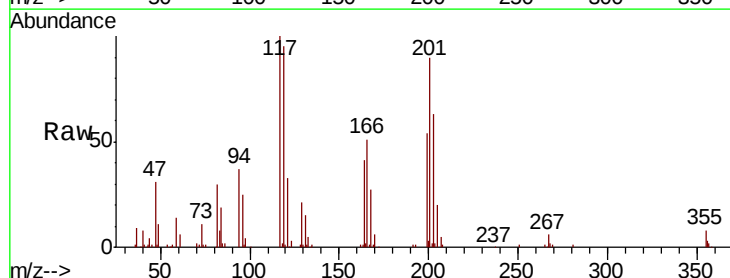
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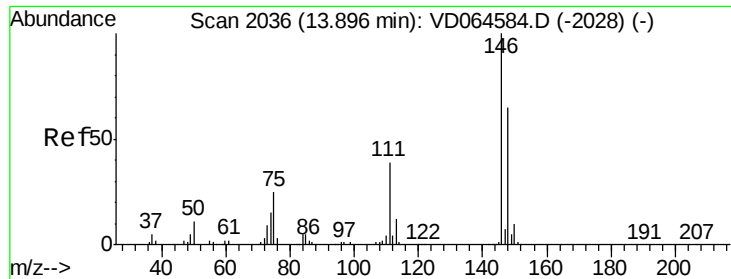
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#90
Hexachloroethane
Concen: 20.506 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	44.0	131.8





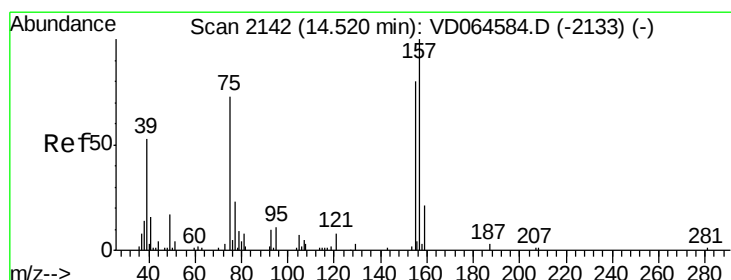
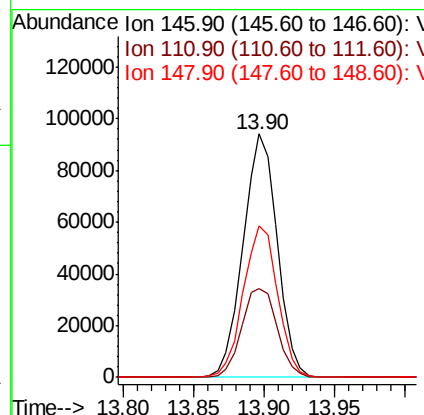
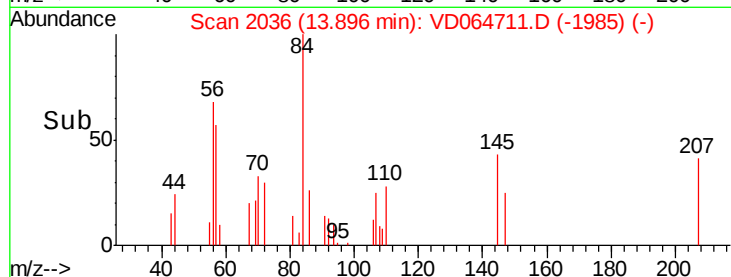
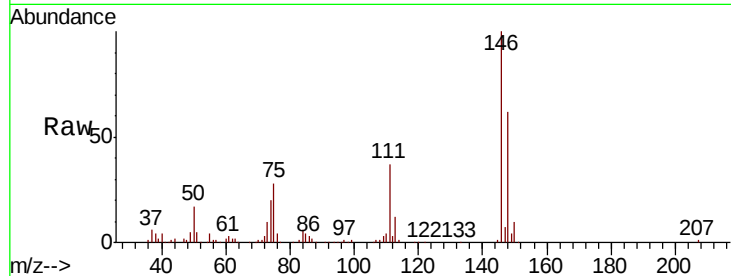
#91
 1,2-Dichlorobenzene
 Concen: 20.671 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	62.9	31.9	95.5

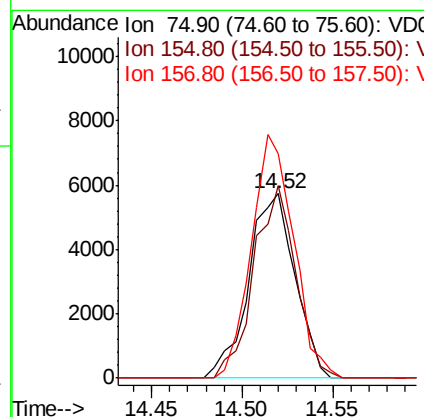
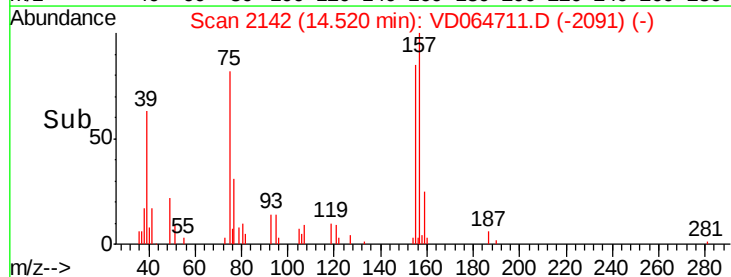
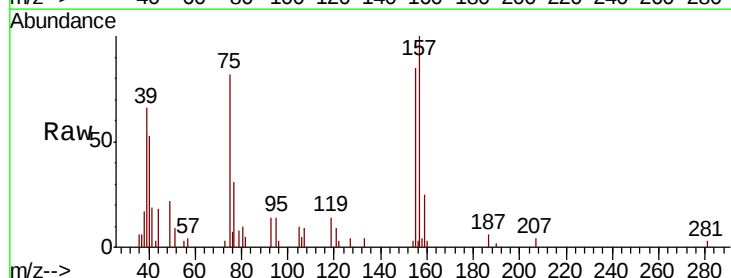
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.840 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	48.0	144.0
157	120.3	64.1	192.3





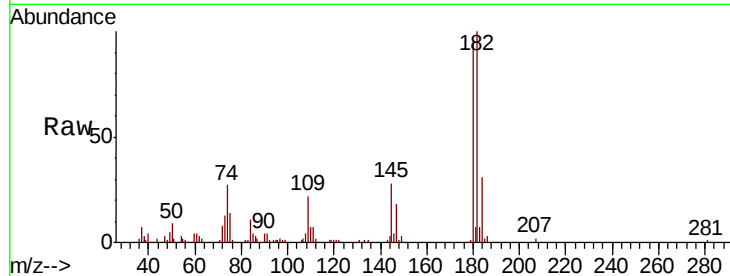
#93
 1,2,4-Trichlorobenzene
 Concen: 20.275 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.4	48.0	144.2	
145	29.2	13.8	41.4	

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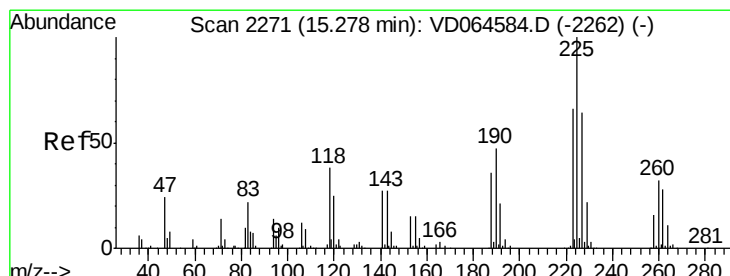
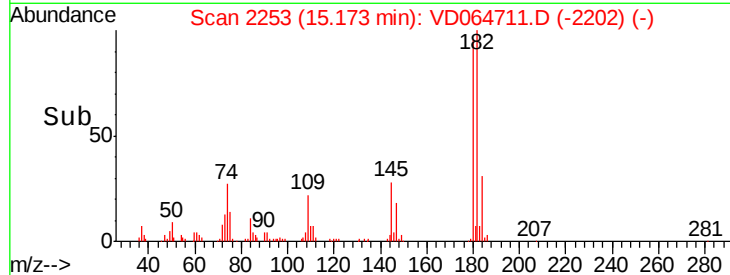
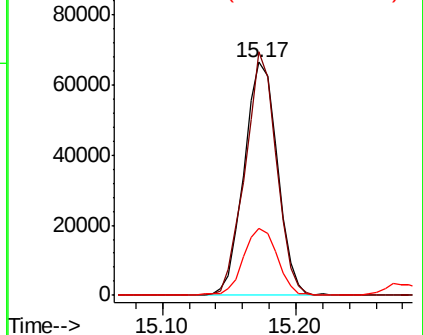


Abundance

Ion 179.80 (179.50 to 180.50): V

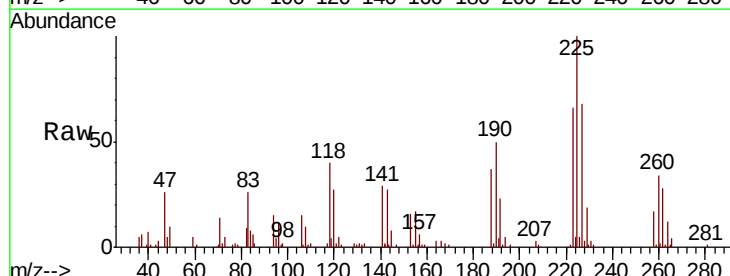
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.701 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	31.1	93.2	
227	64.2	30.9	92.7	

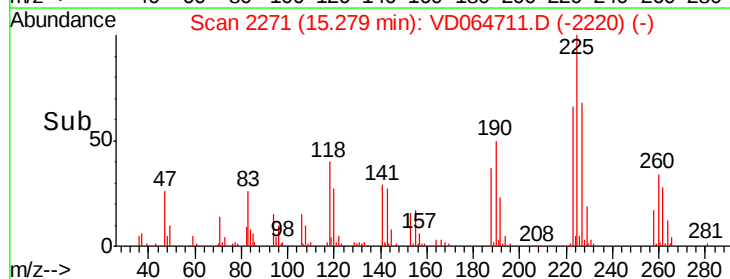
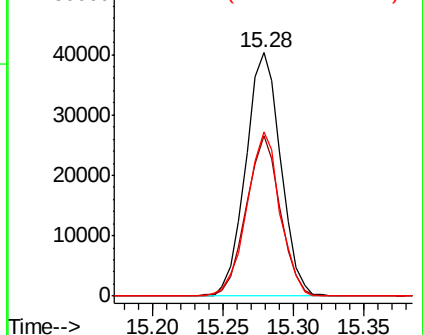


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





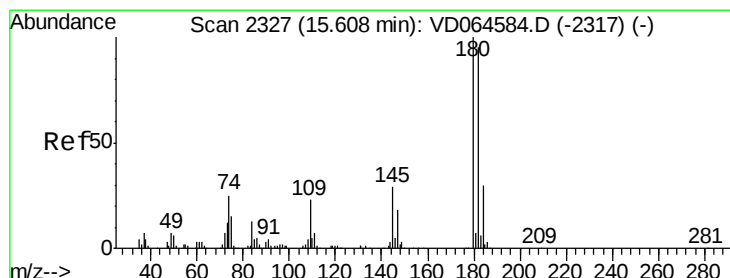
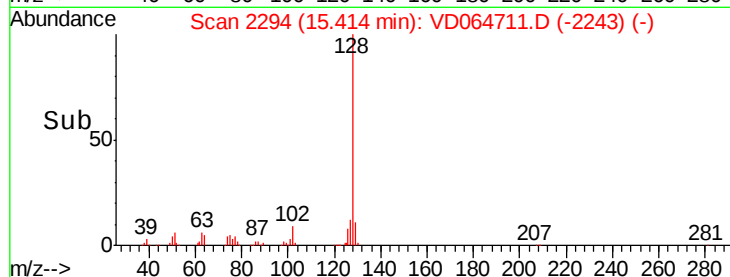
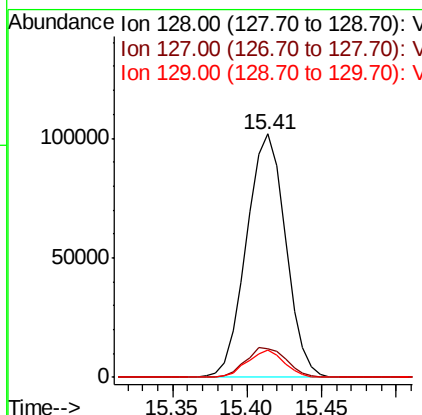
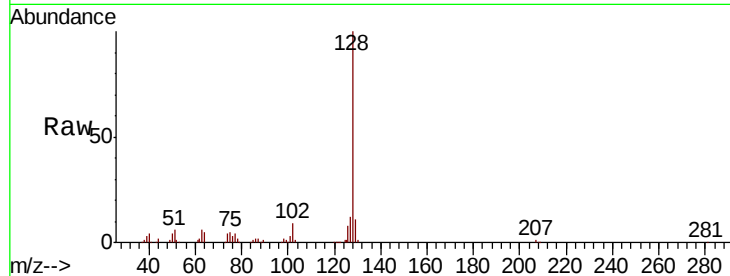
#95
Naphthalene
Concen: 20.705 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion:	128	Resp:	185291
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.184 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion:	180	Resp:	97476
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.7
145	30.7	14.9	44.7

