

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064823.D
 Acq On : 09 Jan 2020 18:25
 Operator : VA/SY
 Sample : L1051-10MS
 Misc : 6.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:42:13 AM

Quant Time: Jan 10 05:58:45 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	7.99	168	860187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1269183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1099119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	525420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	322238	42.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.96%	
35) Dibromofluoromethane	7.92	113	182477	23.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.86%	
50) Toluene-d8	10.34	98	1619583	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.64	95	464898	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	122035	18.255	ug/l	94
3) Chloromethane	2.21	50	191879	20.524	ug/l	96
4) Vinyl Chloride	2.35	62	225347	19.769	ug/l	96
5) Bromomethane	2.77	94	150441	18.151	ug/l	95
6) Chloroethane	2.92	64	156333	20.467	ug/l	96
7) Trichlorofluoromethane	3.27	101	388734	20.253	ug/l	99
8) Diethyl Ether	3.71	74	66919	17.557	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	162944	20.499	ug/l	99
10) Methyl Iodide	4.29	142	165844	19.423	ug/l	100
11) Tert butyl alcohol	5.24	59	29428	67.697	ug/l	96
12) 1,1-Dichloroethene	4.06	96	164848	21.783	ug/l	90
13) Acrolein	3.93	56	5332	8.801	ug/l	87
14) Allyl chloride	4.71	41	243139	20.606	ug/l	98
15) Acrylonitrile	5.43	53	118044	74.353	ug/l	98
16) Acetone	4.17	43	150221	89.934	ug/l	90
17) Carbon Disulfide	4.40	76	450442	18.408	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	293203	17.443	ug/l	93
20) Methylene Chloride	4.96	84	174589	19.528	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	178297	20.688	ug/l	93
22) Diisopropyl ether	6.37	45	462238	19.641	ug/l	96
23) Vinyl Acetate	6.37	43	245811	18.413	ug/l #	74
24) 1,1-Dichloroethane	6.26	63	313995	22.224	ug/l	99
25) 2-Butanone	7.22	43	162621	77.998	ug/l	99
26) 2,2-Dichloropropane	7.21	77	278840	21.227	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	192008	20.643	ug/l	98
28) Bromochloromethane	7.55	49	106540	19.399	ug/l	98
29) Tetrahydrofuran	7.57	42	93863	72.393	ug/l	97
30) Chloroform	7.71	83	318614	21.494	ug/l	98
31) Cyclohexane	7.99	56	285807	20.209	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	305034	21.909	ug/l	99
36) 1,1-Dichloropropene	8.11	75	253909	20.785	ug/l	100
37) Ethyl Acetate	7.22	43	162621	33.886	ug/l #	1
38) Carbon Tetrachloride	8.10	117	280974	21.571	ug/l	95
39) Methylcyclohexane	9.36	83	285480	19.295	ug/l	95

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 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)
40) Benzene	8.35	78	705311	21.150	ug/l	95
41) Methacrylonitrile	7.53	41	36074	12.956	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	179727	18.650	ug/l	99
43) Isopropyl Acetate	8.46	43	65465	6.854	ug/l #	62
44) Trichloroethene	9.11	130	375549	38.335	ug/l	98
45) 1,2-Dichloropropane	9.38	63	167728	21.065	ug/l	97
46) Dibromomethane	9.48	93	76428	17.216	ug/l	99
47) Bromodichloromethane	9.66	83	234006	19.810	ug/l	99
48) Methyl methacrylate	9.46	41	8442	1.877	ug/l	92
49) 1,4-Dioxane	9.47	88	15719	307.088	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	355995	75.401	ug/l	100
52) Toluene	10.41	92	456116	20.847	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	201711	18.315	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	253847	19.548	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	95028	15.884	ug/l	96
56) Ethyl methacrylate	10.66	69	44619	5.972	ug/l #	73
57) 1,3-Dichloropropane	10.95	76	180582	17.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	220866	77.590	ug/l	100
59) 2-Hexanone	10.99	43	258387	80.633	ug/l	98
60) Dibromochloromethane	11.14	129	142287	17.199	ug/l	98
61) 1,2-Dibromoethane	11.25	107	96771	16.400	ug/l	99
64) Tetrachloroethene	10.88	164	312611	37.073	ug/l	98
65) Chlorobenzene	11.67	112	487473	21.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	176618	20.537	ug/l	99
67) Ethyl Benzene	11.75	91	885476	21.386	ug/l	98
68) m/p-Xylenes	11.86	106	684962	42.860	ug/l	98
69) o-Xylene	12.18	106	303104	20.997	ug/l	98
70) Stvrene	12.20	104	530340	20.931	ug/l	99
71) Bromoform	12.37	173	80168	16.347	ug/l #	98
73) Isopropylbenzene	12.48	105	834592	22.228	ug/l	99
74) N-amyl acetate	12.30	43	12925	1.610	ug/l #	93
76) 1,2,3-Trichloropropane	12.78	75	71639m	17.266	ug/l	
77) Bromobenzene	12.77	156	187833	20.359	ug/l	97
78) n-propylbenzene	12.83	91	974816	22.254	ug/l	99
79) 2-Chlorotoluene	12.91	91	527273	21.912	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	683691	22.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	31052	15.653	ug/l	96
82) 4-Chlorotoluene	13.01	91	559680	21.856	ug/l	100
83) tert-Butylbenzene	13.23	119	585309	21.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	668308	21.756	ug/l	99
85) sec-Butylbenzene	13.41	105	813618	22.161	ug/l	98
86) p-Isopropyltoluene	13.52	119	763920	21.761	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	374602	21.299	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	365913	21.178	ug/l	98
89) n-Butylbenzene	13.85	91	683048	21.606	ug/l	99
90) Hexachloroethane	14.12	117	141101	21.041	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	302046	20.140	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13474	14.091	ug/l	94
93) 1,2,4-Trichlorobenzene	15.17	180	208763	18.905	ug/l	99
94) Hexachlorobutadiene	15.27	225	135186	19.454	ug/l	98

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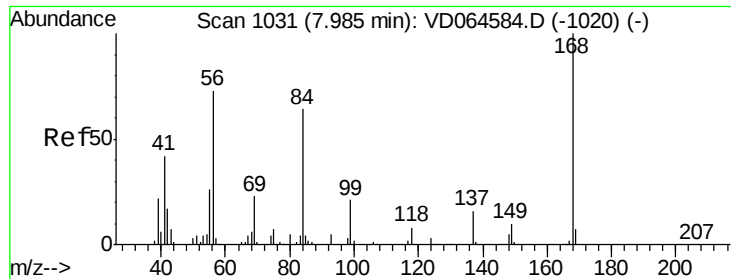
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	289830	16.591	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	170261	18.061	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:168 Resp: 860187

Ion Ratio Lower Upper

168 100

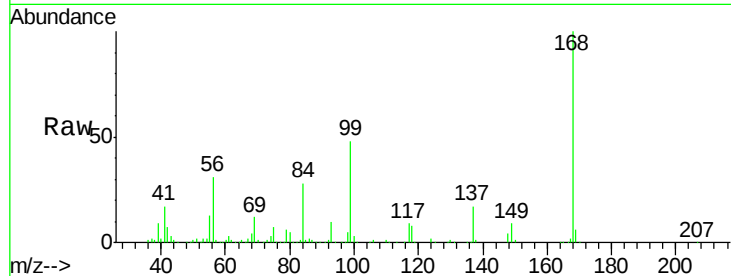
99 48.1 41.8 62.6

Manual Integrations

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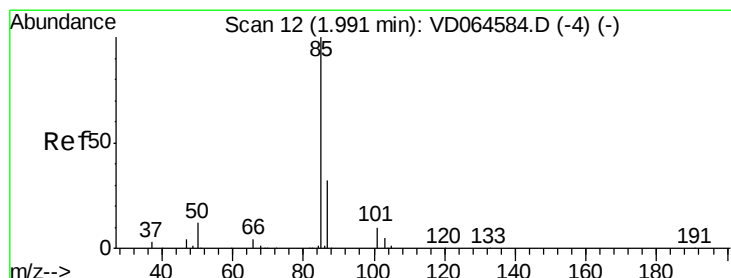
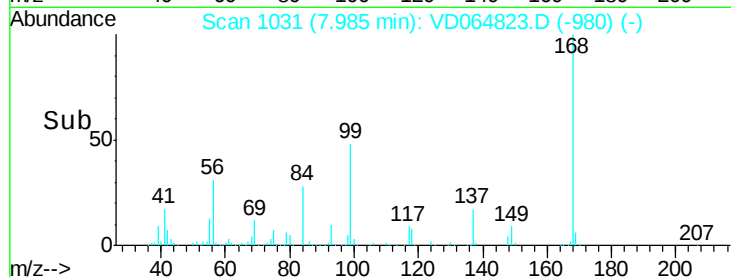
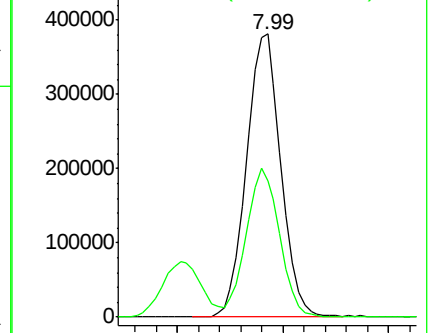
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.255 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064823.D

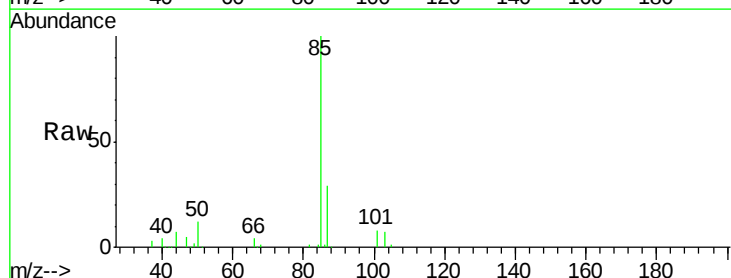
Acq: 09 Jan 2020 18:25

Tgt Ion: 85 Resp: 122035

Ion Ratio Lower Upper

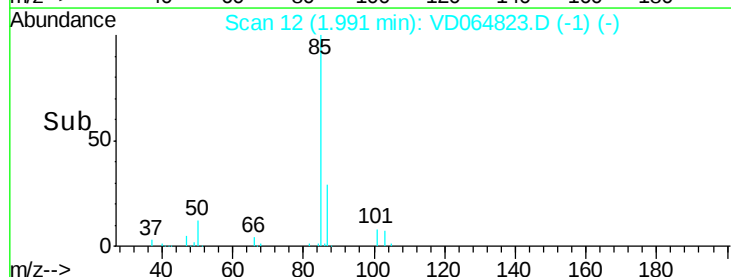
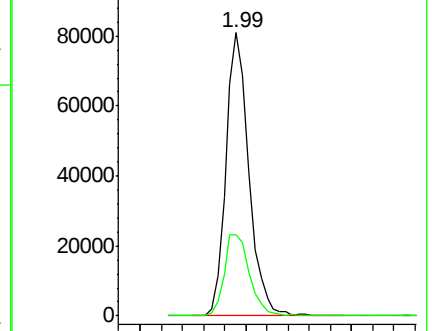
85 100

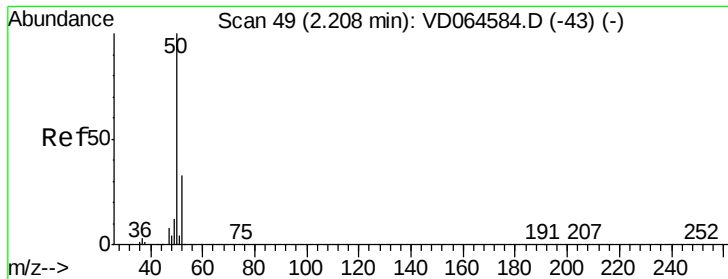
87 28.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.524 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 50 Resp: 191879

Ion Ratio Lower Upper

50 100

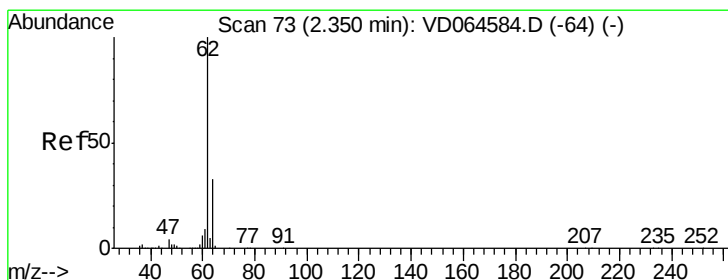
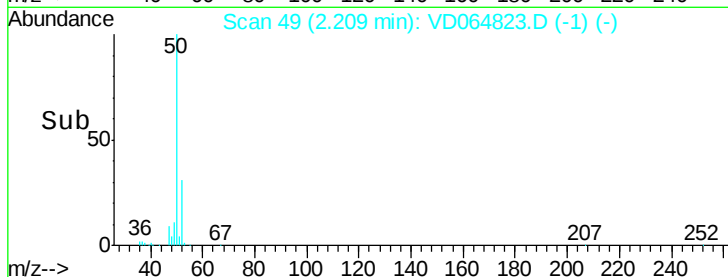
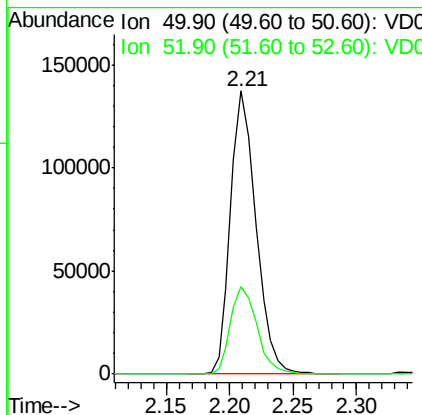
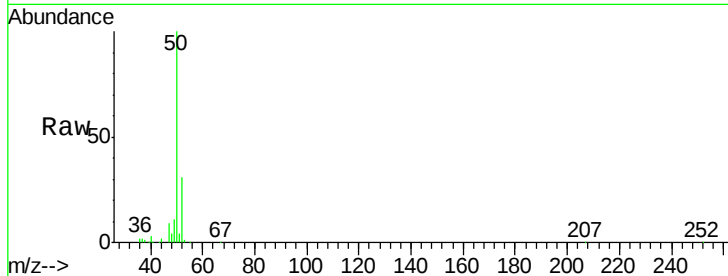
52 30.8 26.5 39.7

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#4

Vinyl Chloride

Concen: 19.769 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064823.D

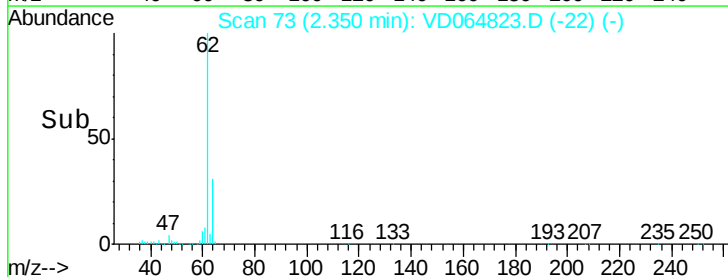
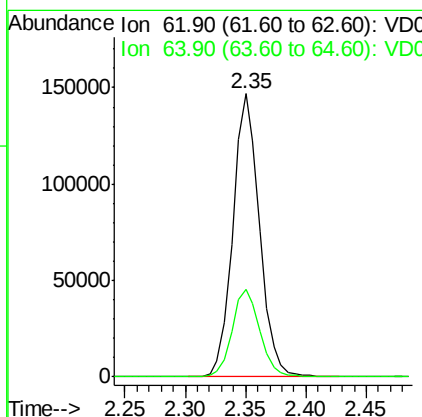
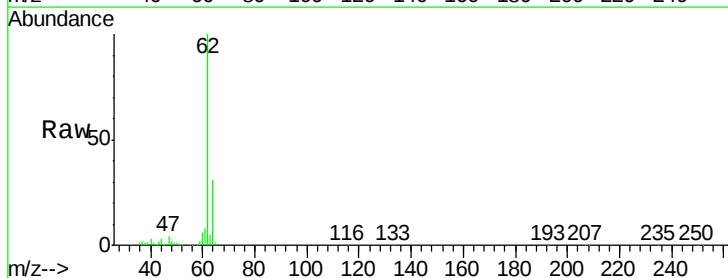
Acq: 09 Jan 2020 18:25

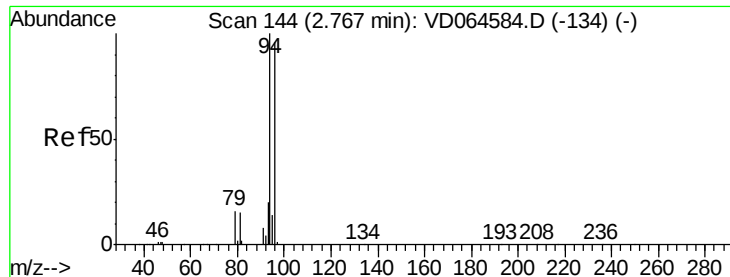
Tgt Ion: 62 Resp: 225347

Ion Ratio Lower Upper

62 100

64 30.9 26.6 40.0





#5

Bromomethane

Concen: 18.151 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

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ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 94 Resp: 150441

Ion Ratio Lower Upper

94 100

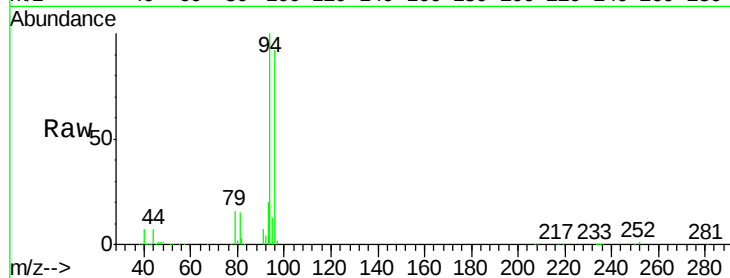
96 91.9 77.2 115.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

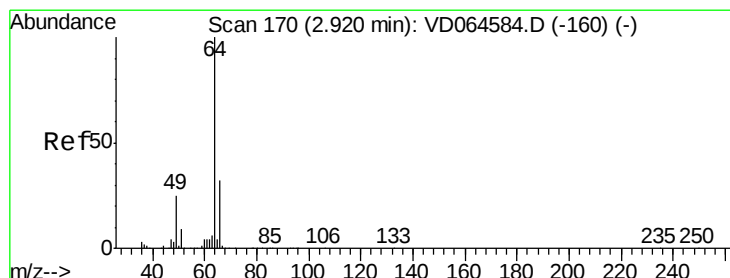
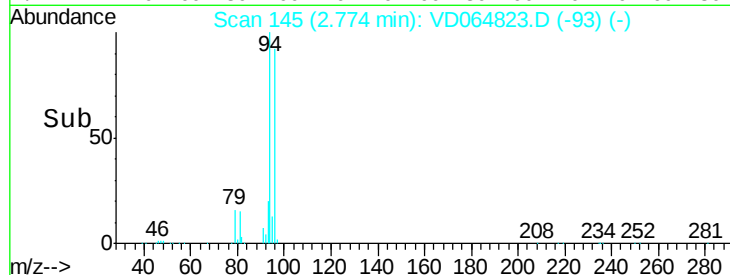
60000

40000

20000

0

Time--> 2.70 2.80 2.90



#6

Chloroethane

Concen: 20.467 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064823.D

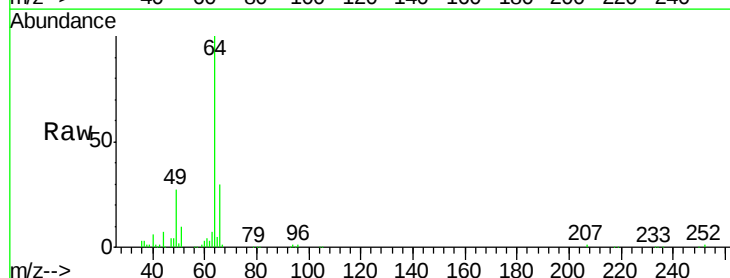
Acq: 09 Jan 2020 18:25

Tgt Ion: 64 Resp: 156333

Ion Ratio Lower Upper

64 100

66 30.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

80000

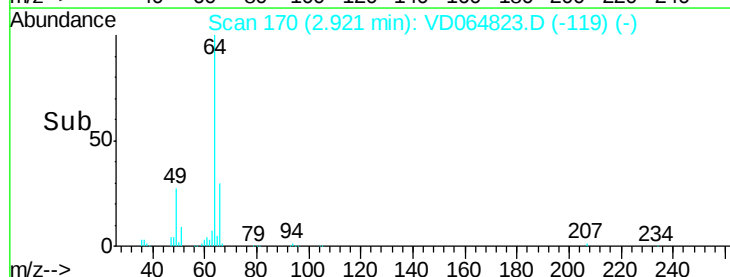
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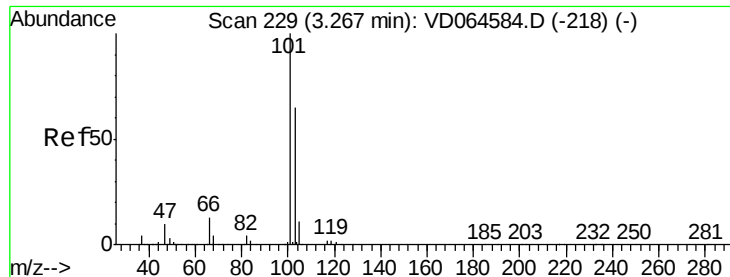
40000

20000

0

Time--> 2.80 2.90 3.00





#7

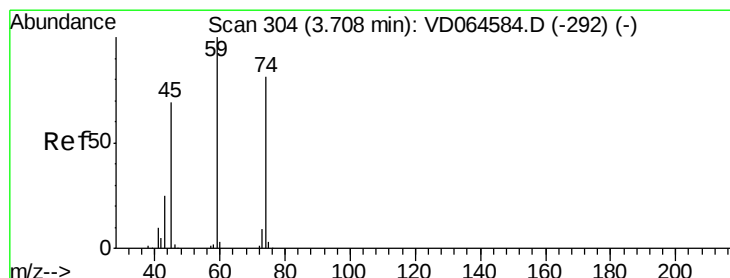
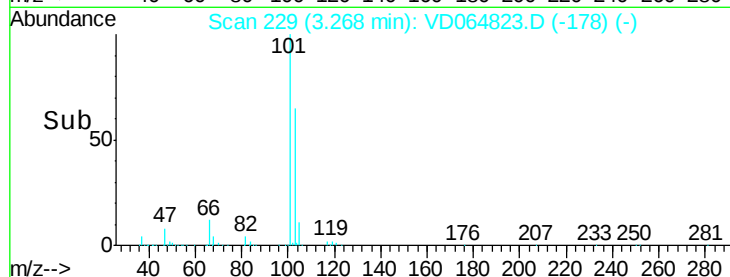
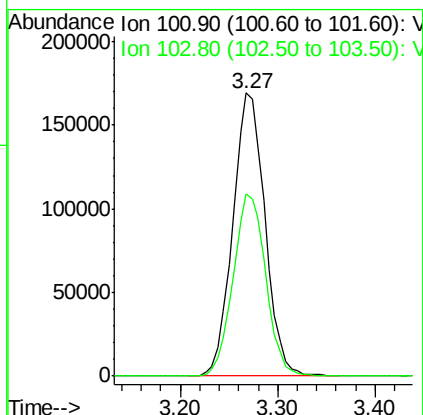
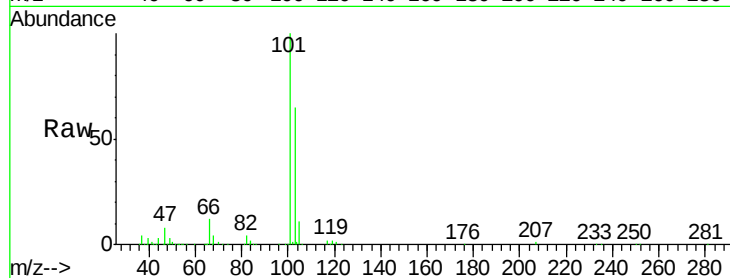
Trichlorofluoromethane
Concen: 20.253 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064823.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.4

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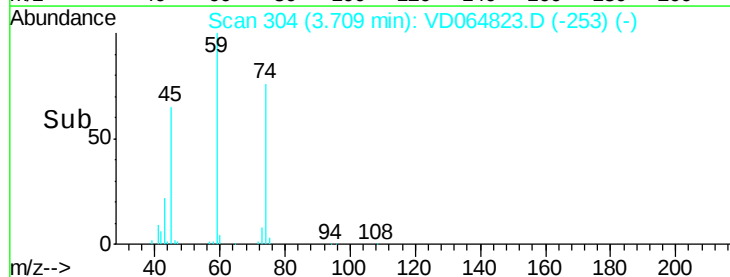
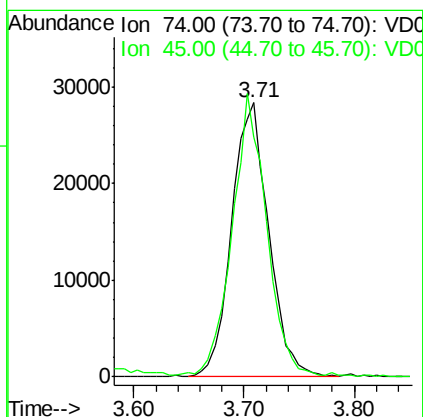
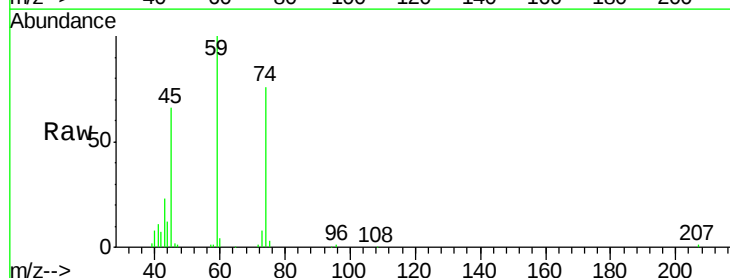
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#8

Diethyl Ether
Concen: 17.557 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.499 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

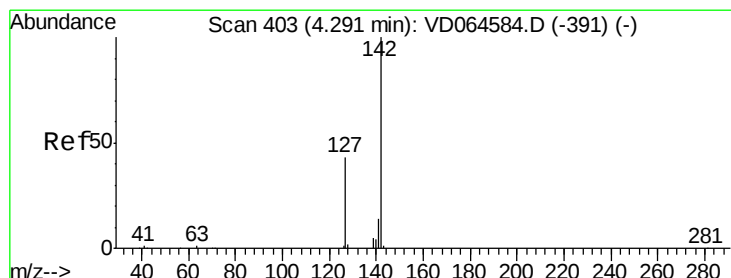
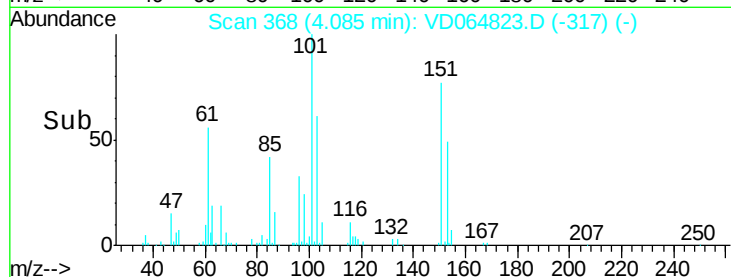
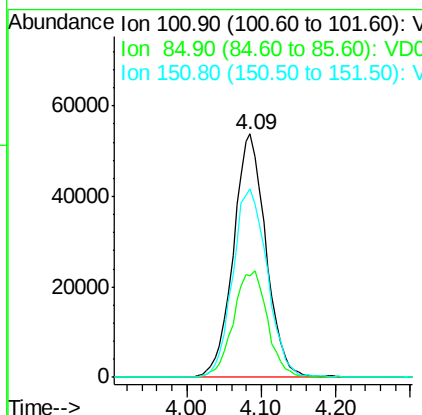
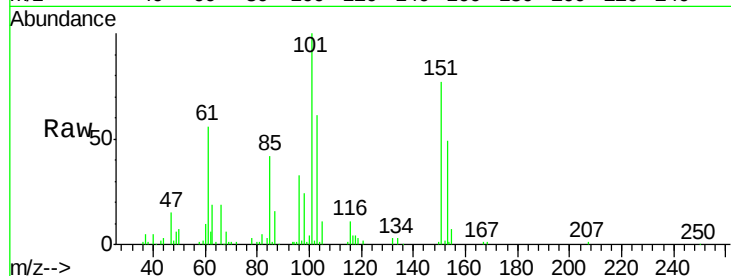
ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:	101	Resp:	162944
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.2	52.8
151	82.5	66.2	99.4

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 19.423 ug/l

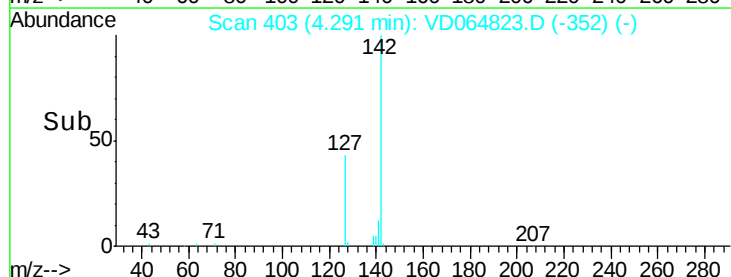
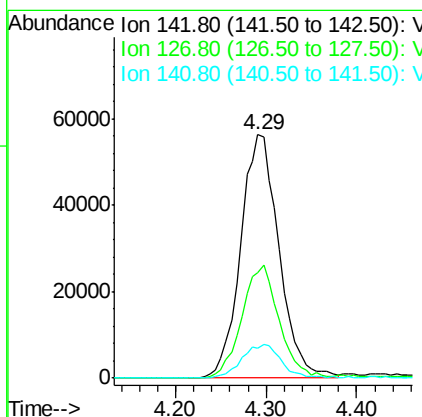
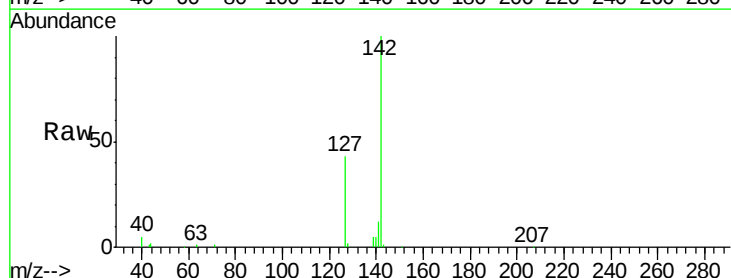
RT: 4.29 min Scan# 403

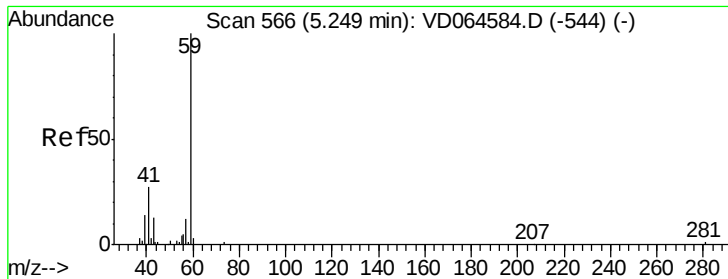
Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion:	142	Resp:	165844
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.2	54.4
141	14.3	11.8	17.8





#11

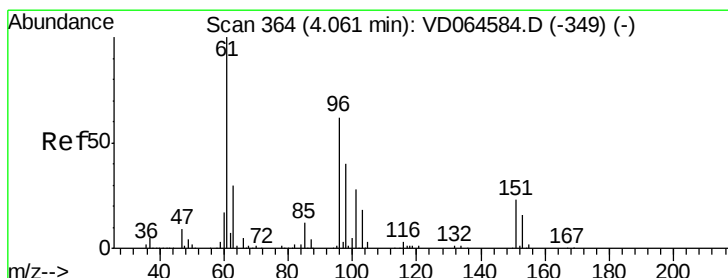
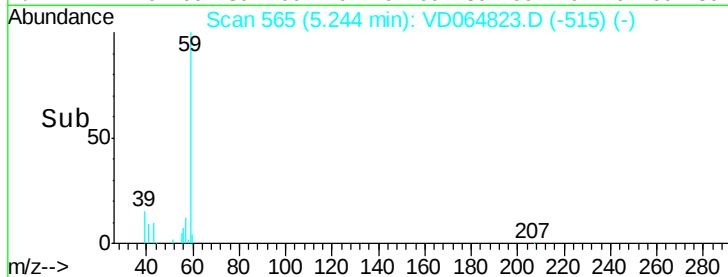
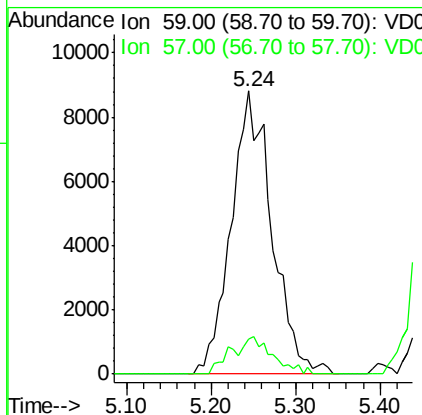
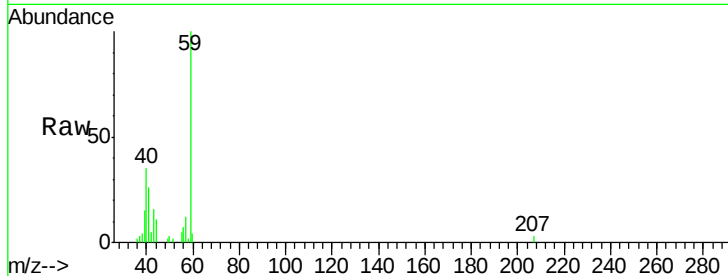
Tert butyl alcohol
 Concen: 67.697 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.3	9.3	13.9

Manual Integrations
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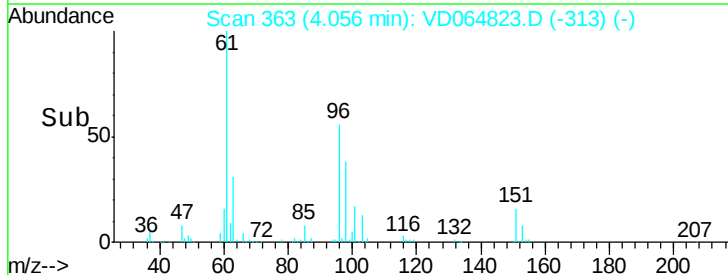
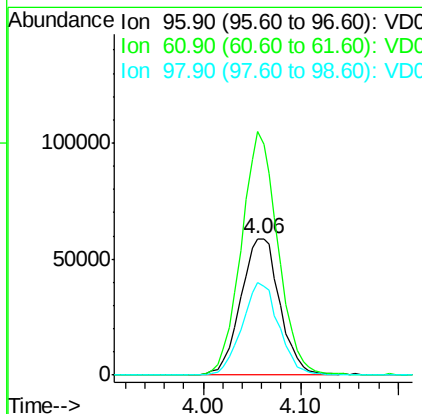
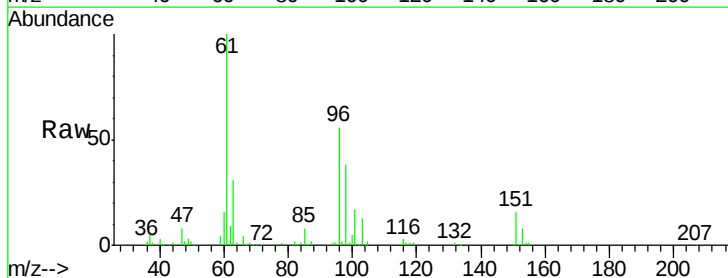
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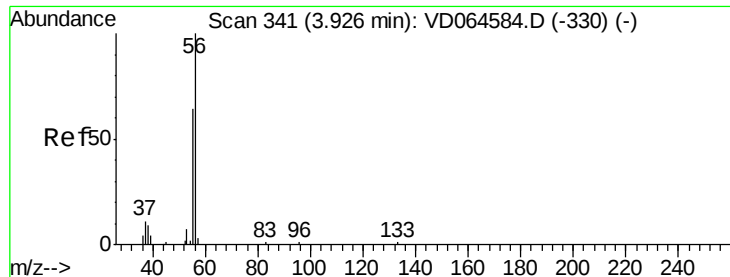


#12

1,1-Dichloroethene
 Concen: 21.783 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.1	129.4	194.0
98	67.6	51.4	77.0





#13

Acrolein

Concen: 8.801 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 56 Resp: 5332

Ion Ratio Lower Upper

56 100

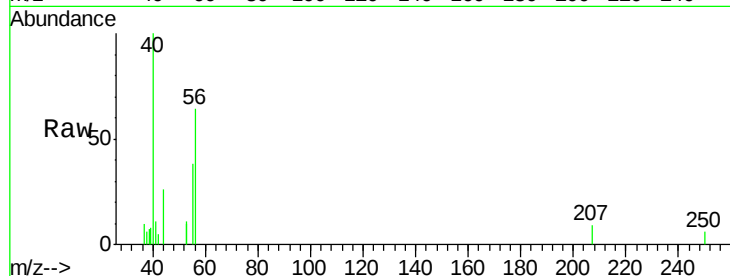
55 81.9 56.7 85.1

Manual Integrations

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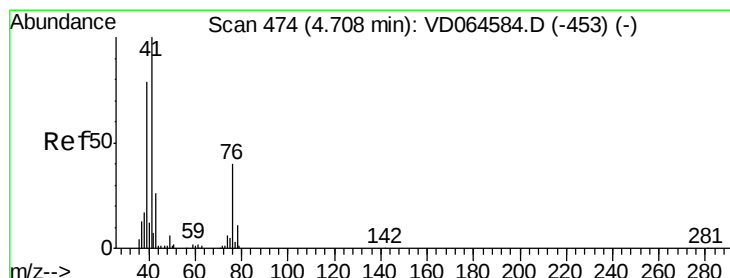
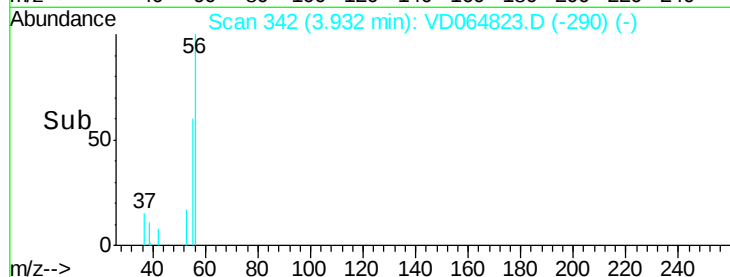
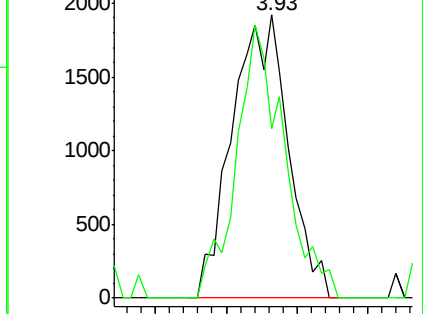
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.606 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

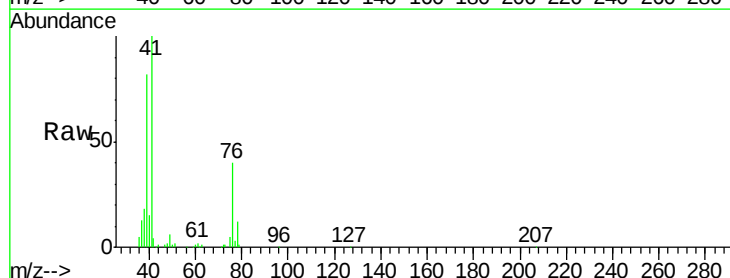
Tgt Ion: 41 Resp: 243139

Ion Ratio Lower Upper

41 100

39 80.1 62.3 93.5

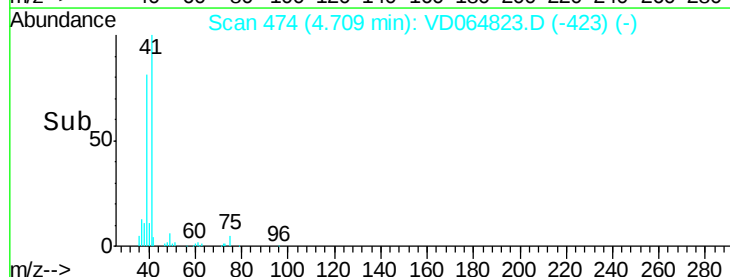
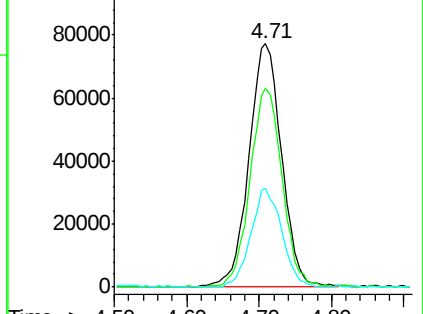
76 38.3 29.7 44.5

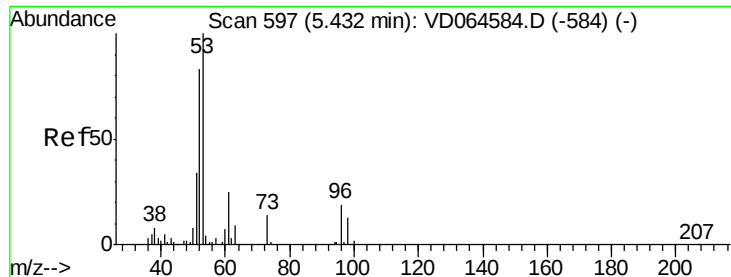


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 74.353 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

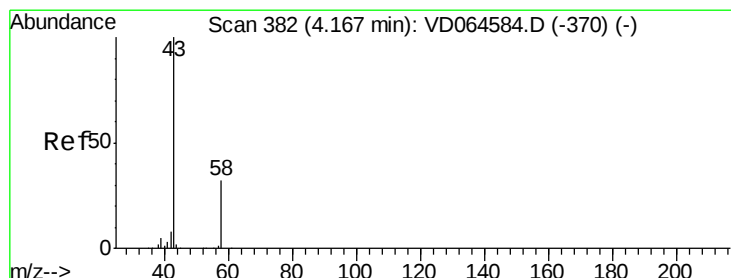
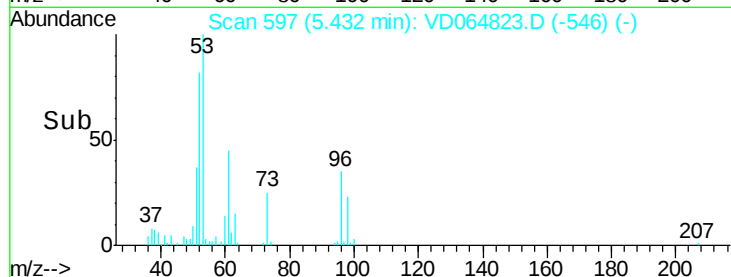
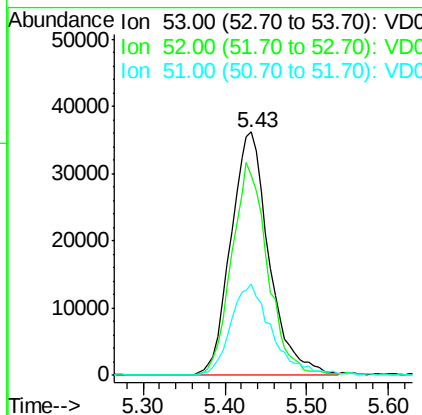
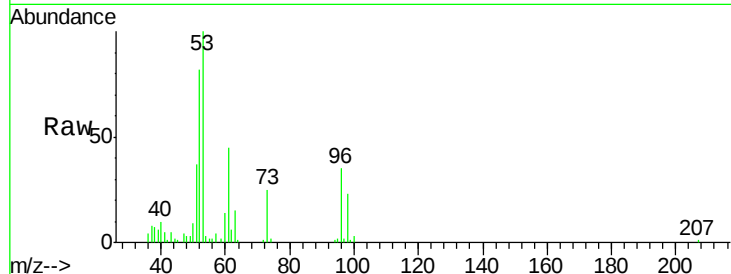
ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:	53	Resp:	118044
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.2
51	39.8	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 89.934 ug/l

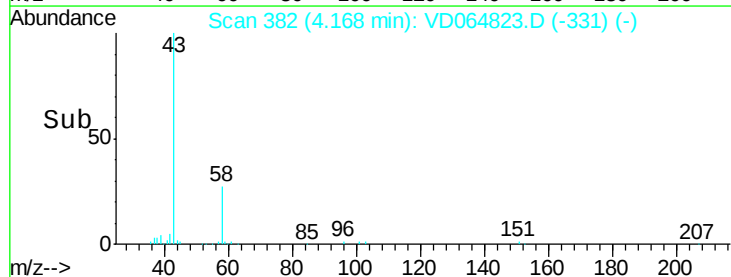
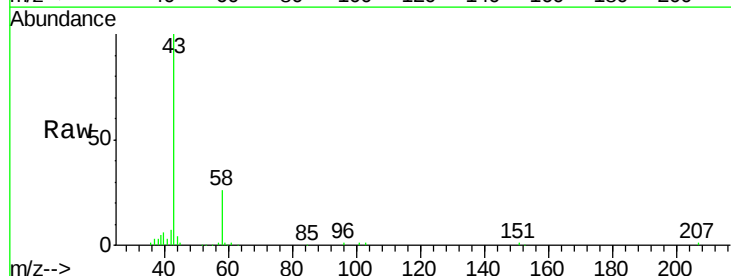
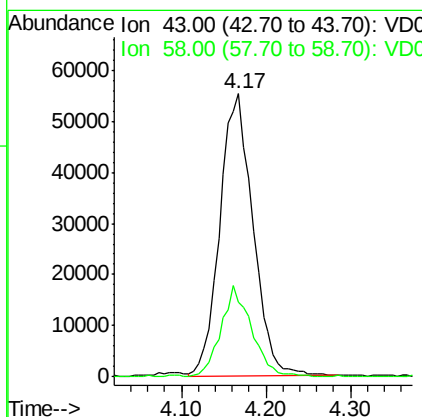
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion:	43	Resp:	150221
Ion Ratio	Lower	Upper	
43	100		
58	26.5	25.8	38.6





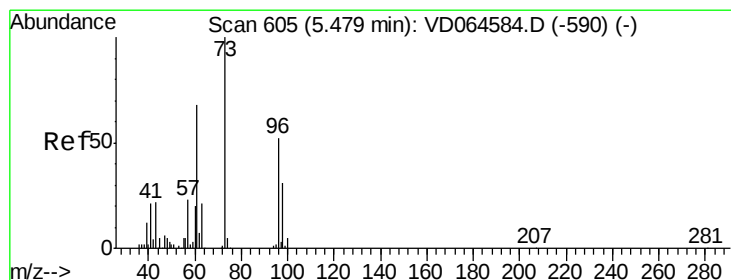
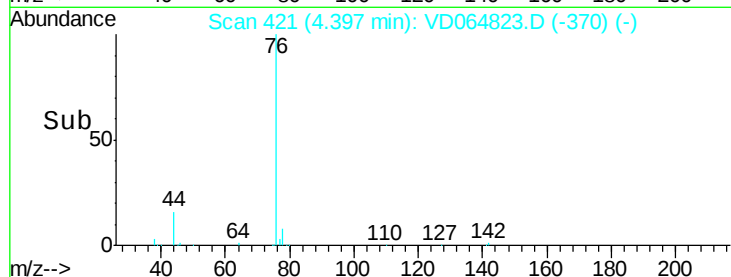
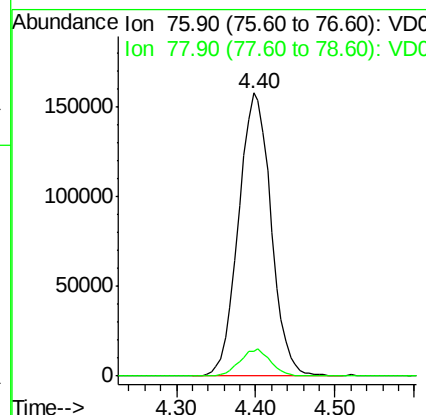
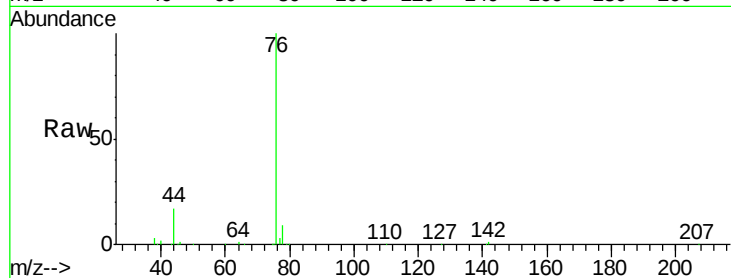
#17
Carbon Disulfide
Concen: 18.408 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

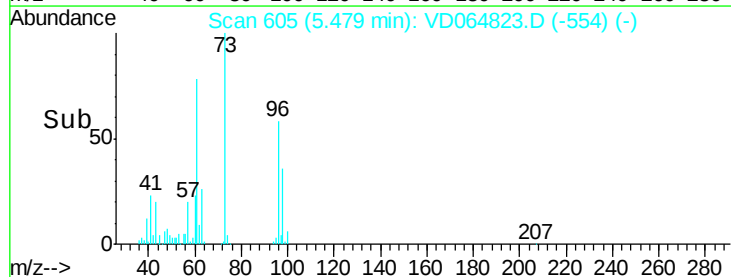
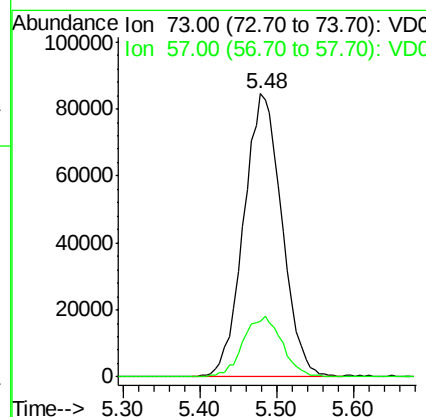
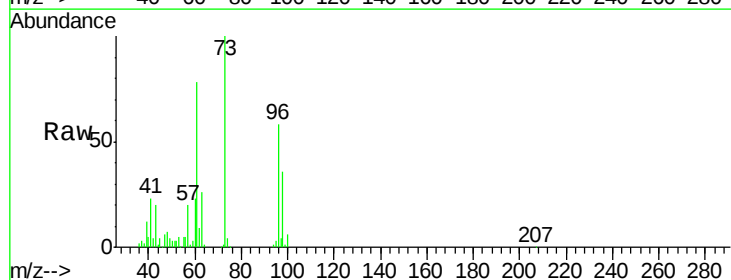
Manual Integrations
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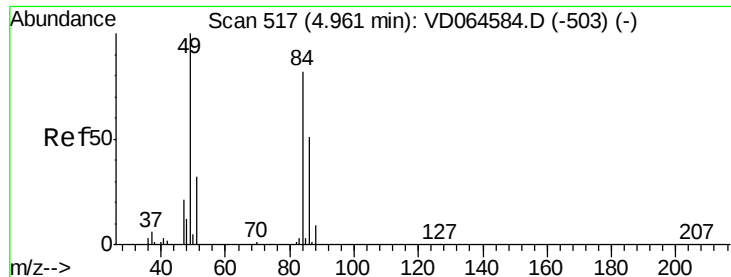
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#19
Methyl tert-butyl Ether
Concen: 17.443 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.8	18.6	27.8





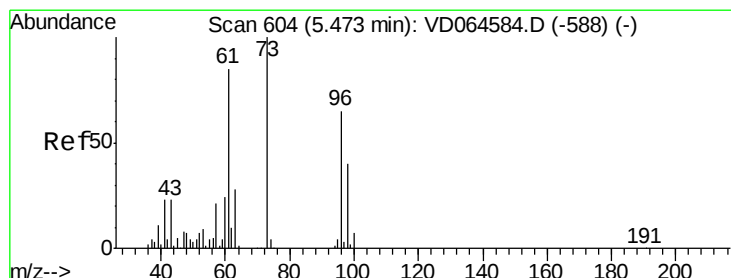
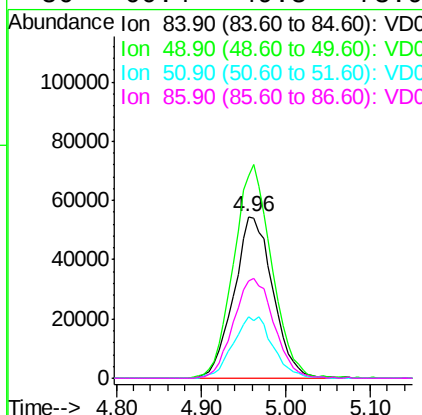
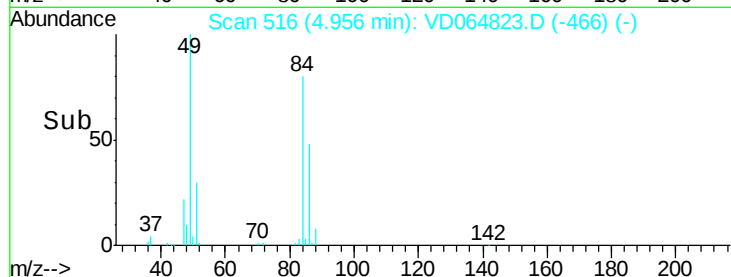
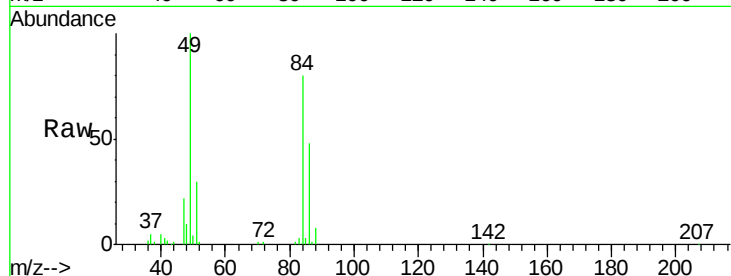
#20
Methvlene Chloride
Concen: 19.528 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
84	100		
49	125.2	97.2	145.8
51	37.9	31.4	47.0
86	60.4	49.3	73.9

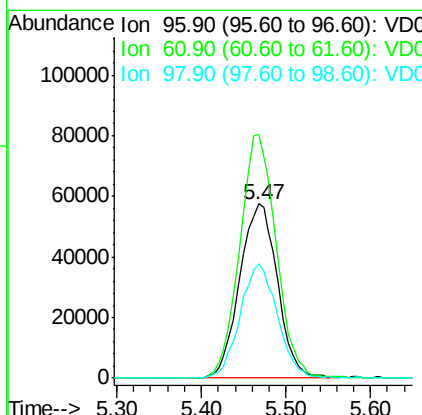
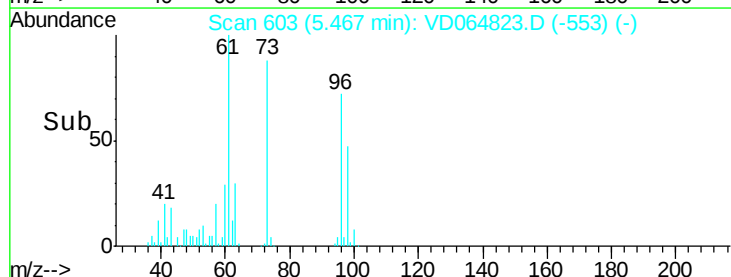
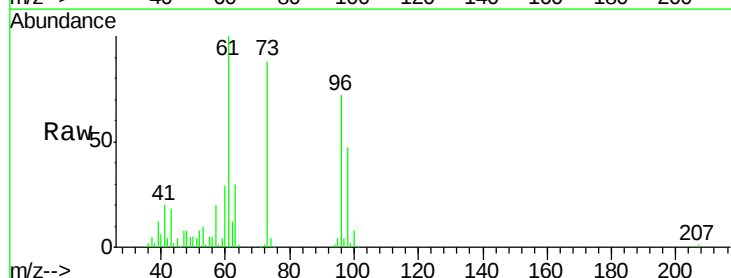
Manual Integrations
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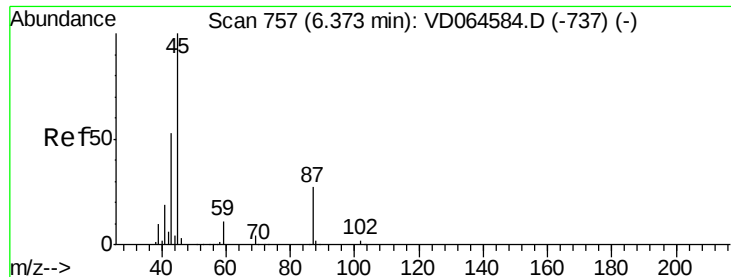
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#21
trans-1,2-Dichloroethene
Concen: 20.688 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.6	104.7	157.1
98	65.4	49.4	74.2





#22

Diisopropyl ether

Concen: 19.641 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

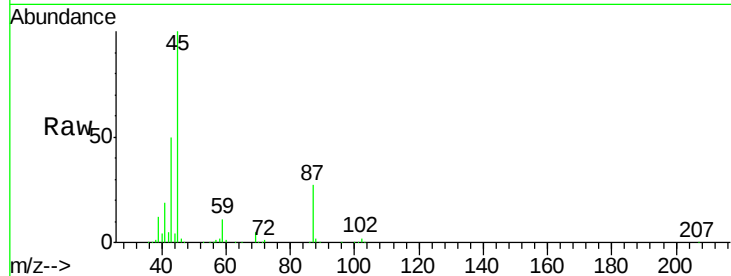
ClientSampleId :

SB-3H-(8.5-10.5)MS

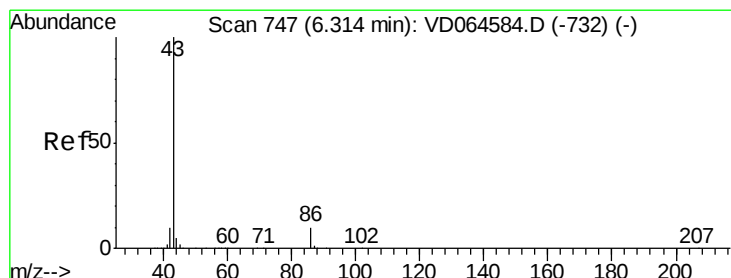
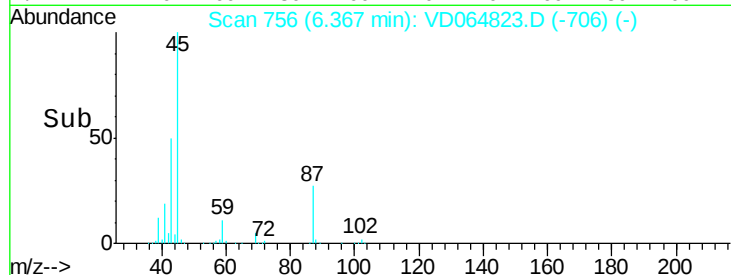
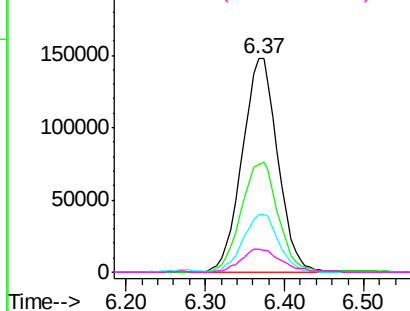
Tot Ion:	45	Resp:	462238
Ion	Ratio	Lower	Upper
45	100		
43	50.4	43.2	64.8
87	26.6	21.9	32.9
59	10.6	9.0	13.4

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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: 18.413 ug/l

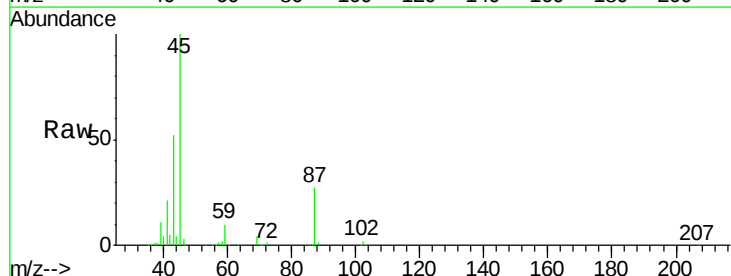
RT: 6.37 min Scan# 757

Delta R.T. 0.06 min

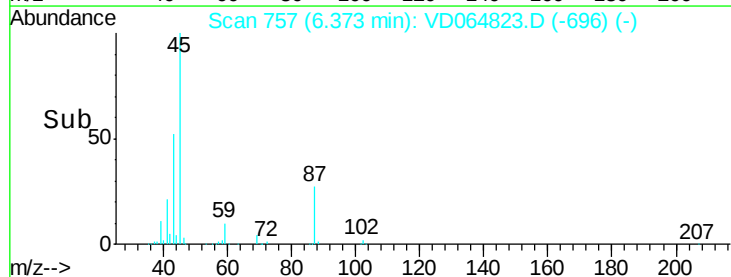
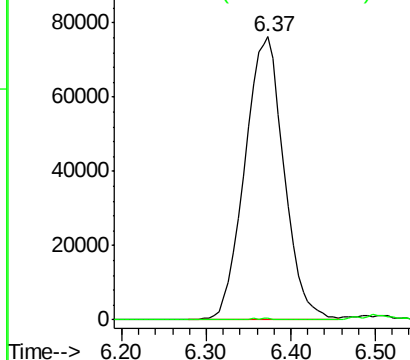
Lab File: VD064823.D

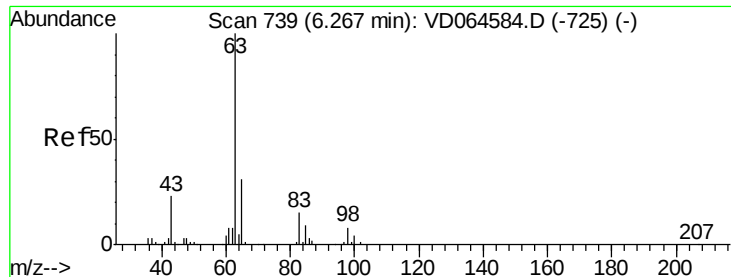
Acq: 09 Jan 2020 18:25

Tgt Ion:	43	Resp:	245811
Ion	Ratio	Lower	Upper
43	100		
86	0.6	8.3	12.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 22.224 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

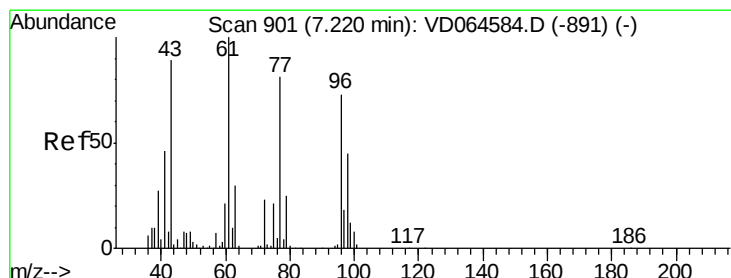
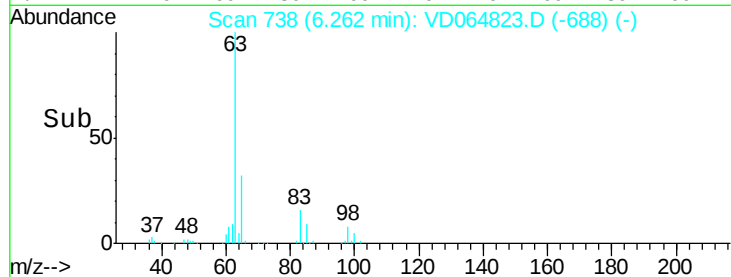
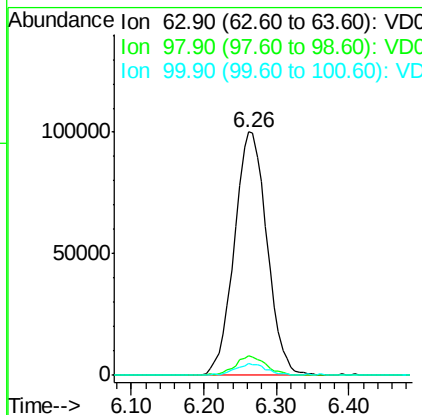
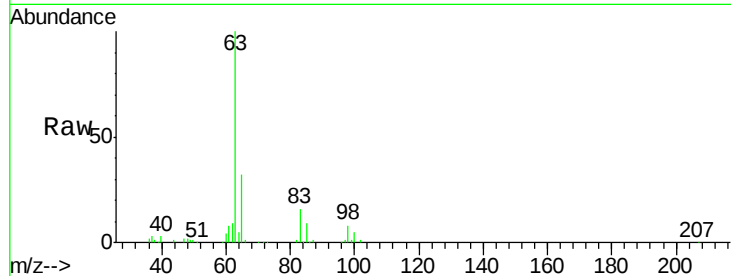
ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:	63	Resp:	313995
Ion Ratio	Lower	Upper	
63	100		
98	8.0	4.1	12.3
100	5.1	2.2	6.6

Manual Integrations
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#25

2-Butanone

Concen: 77.998 ug/l

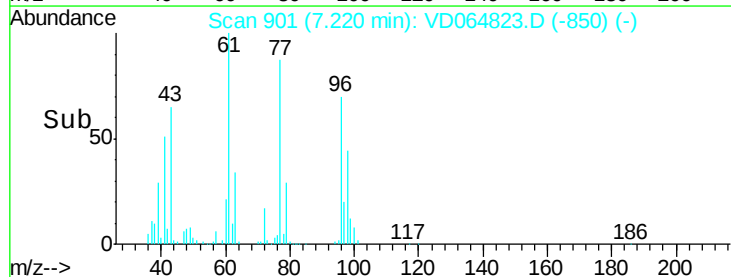
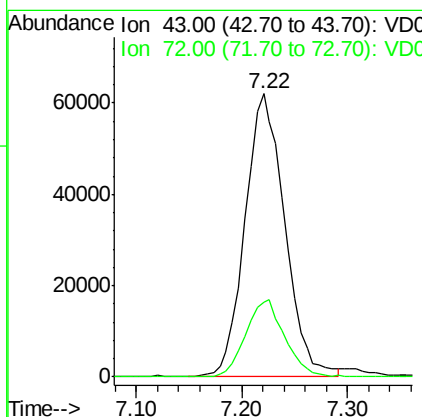
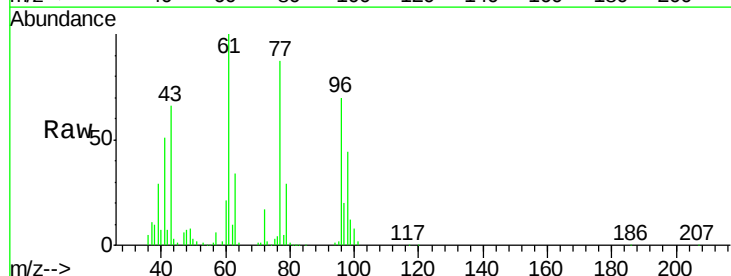
RT: 7.22 min Scan# 901

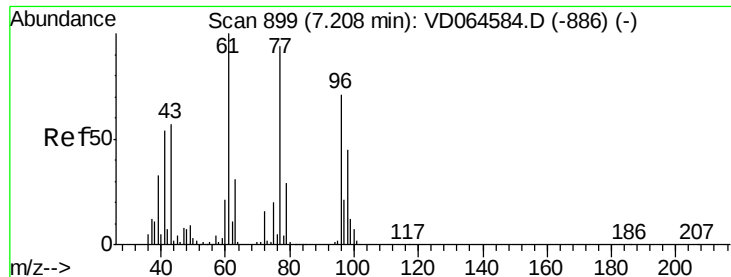
Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion:	43	Resp:	162621
Ion Ratio	Lower	Upper	
43	100		
72	26.3	20.7	31.1





#26

2,2-Dichloropropane

Concen: 21.227 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 77 Resp: 278840

Ion Ratio Lower Upper

77 100

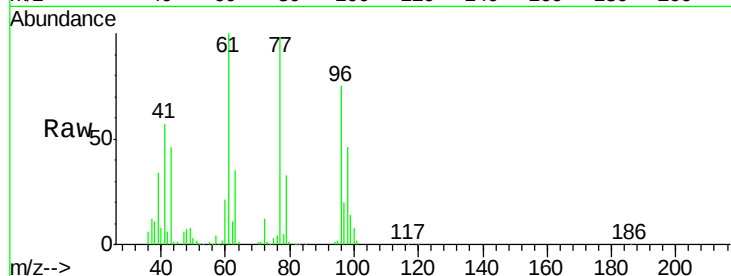
97 22.4 11.2 33.6

Manual Integrations

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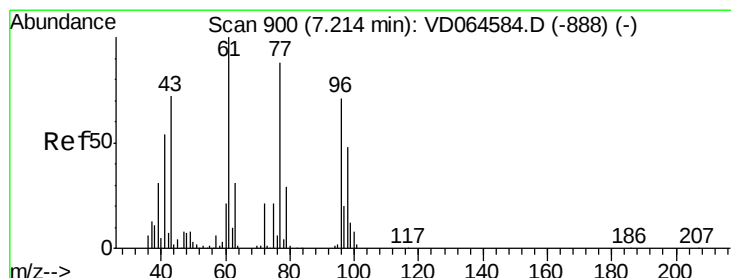
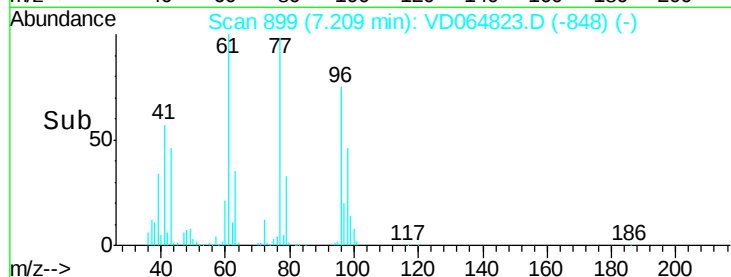
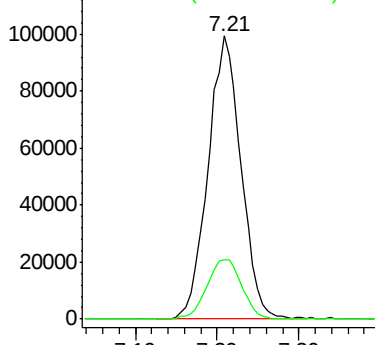
MMDadoda

1/10/2020 10:42:13 AM



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: 20.643 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

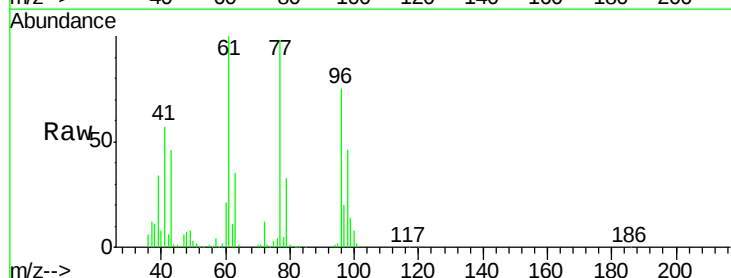
Tgt Ion: 96 Resp: 192008

Ion Ratio Lower Upper

96 100

61 145.5 0.0 282.6

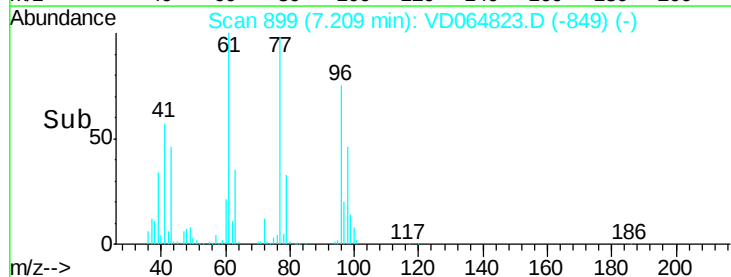
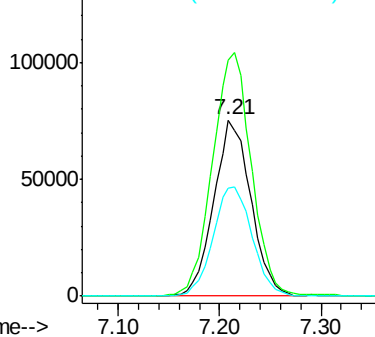
98 65.5 0.0 130.8

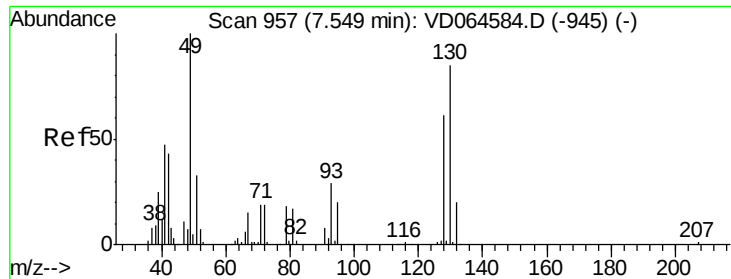


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#28

Bromochloromethane

Concen: 19.399 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064823.D

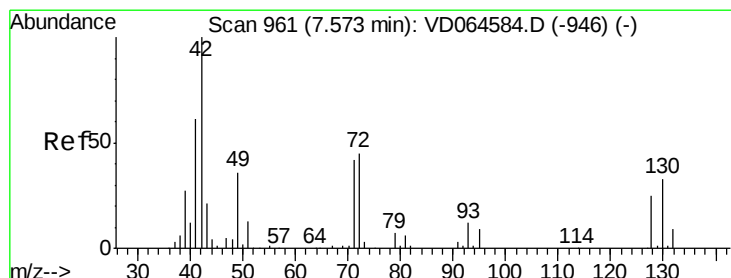
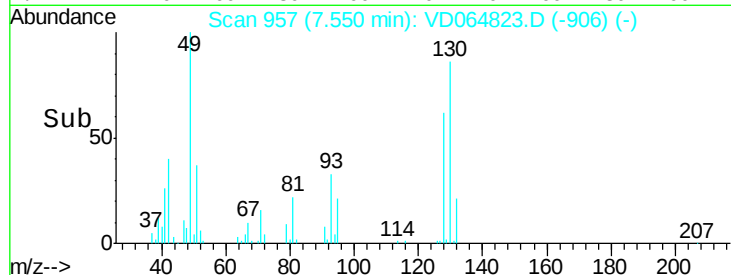
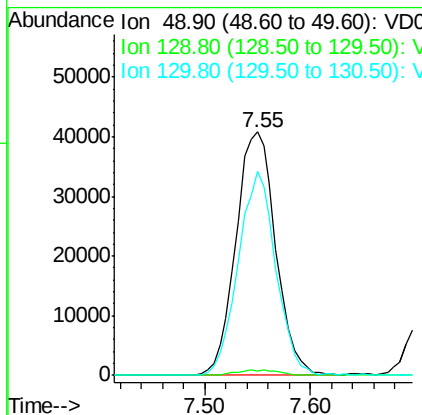
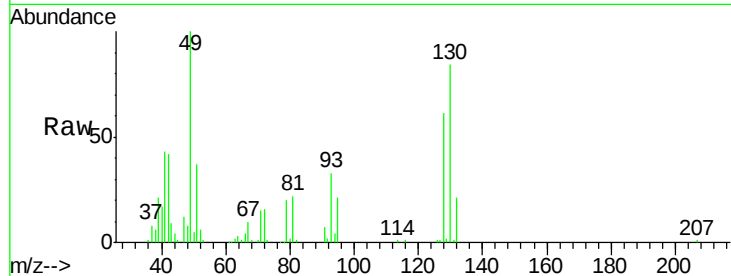
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	79.1	65.0	97.6

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1/10/2020 10:42:13 AM



#29

Tetrahydrofuran

Concen: 72.393 ug/l

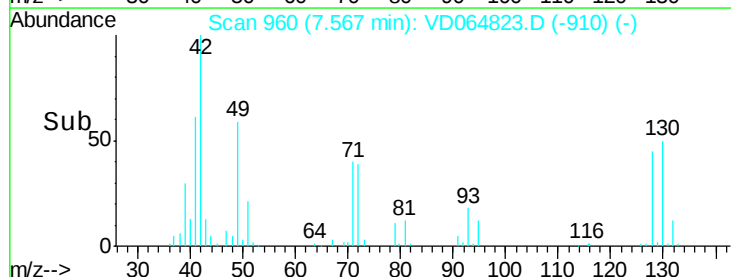
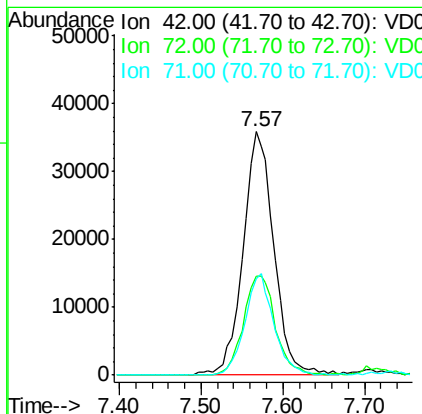
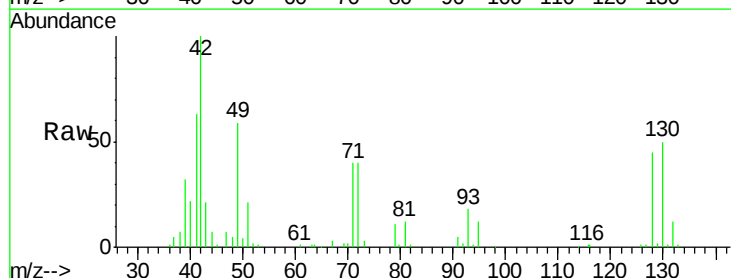
RT: 7.57 min Scan# 960

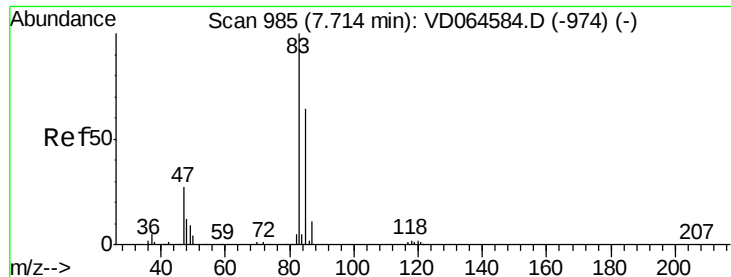
Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.0	52.4
71	39.0	32.9	49.3





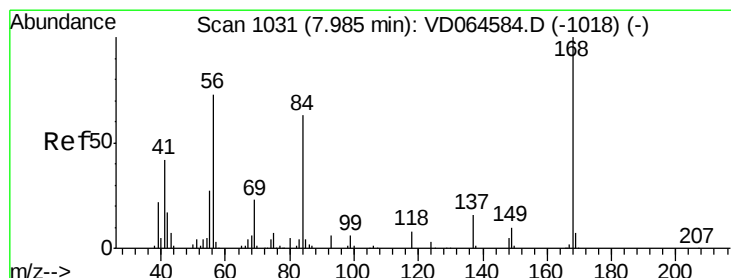
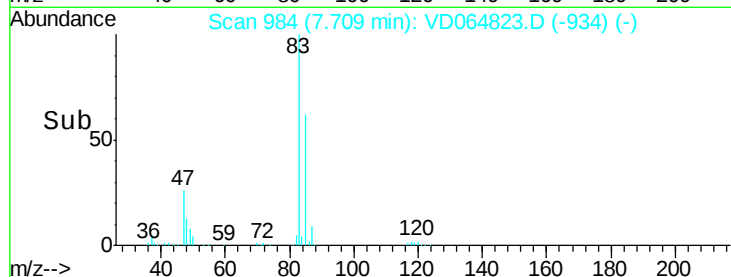
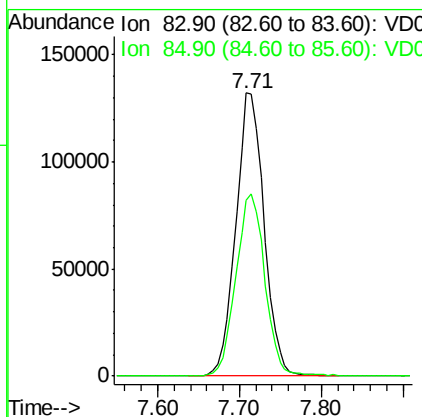
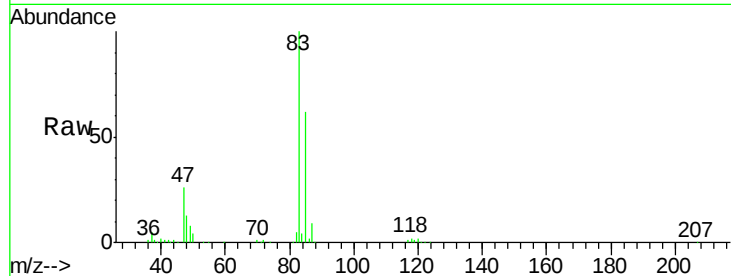
#30
Chloroform
Concen: 21.494 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	83	Resp	318614
Ion Ratio	100	Lower	Upper
85	62.1	51.1	76.7

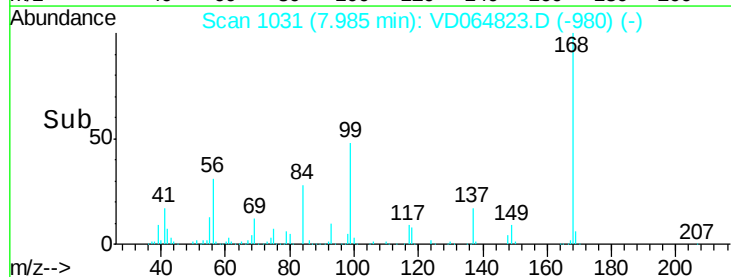
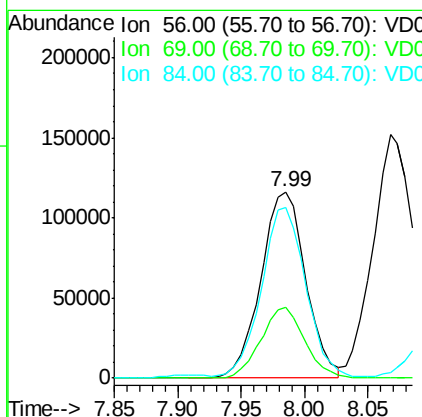
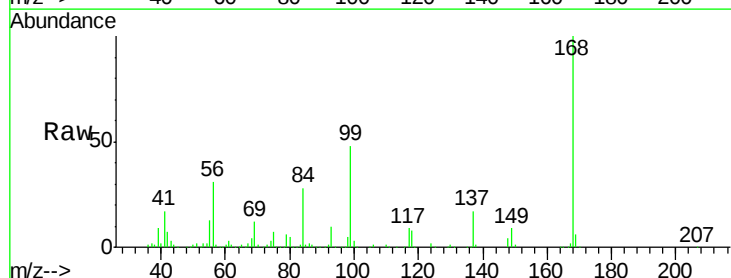
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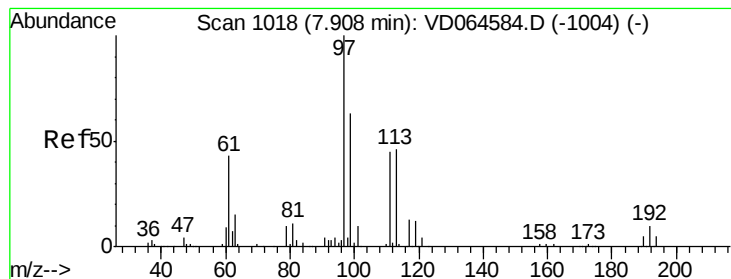
MMDadoda
1/10/2020 10:42:13 AM



#31
Cyclohexane
Concen: 20.209 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	56	Resp	285807
Ion Ratio	100	Lower	Upper
69	37.7	24.7	37.1#
84	89.5	69.4	104.2





#32

1,1,1-Trichloroethane

Concen: 21.909 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

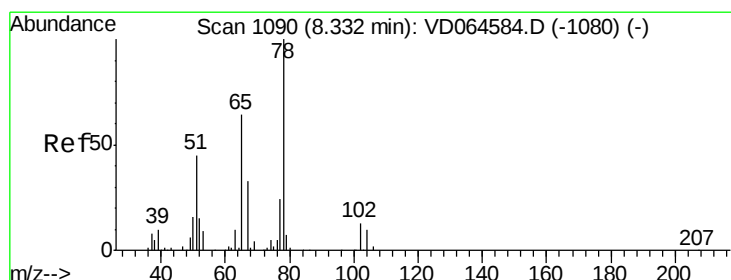
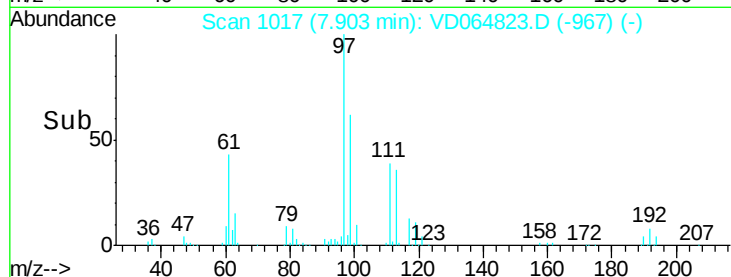
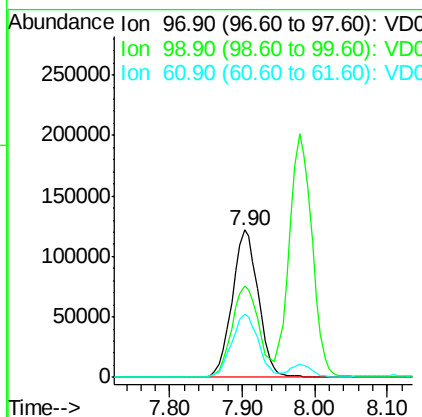
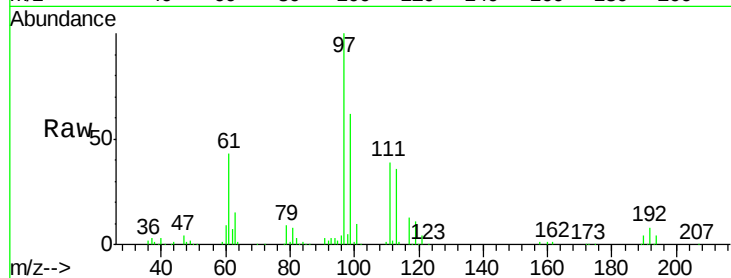
ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:	97	Resp:	305034
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	43.8	35.4	53.0

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 42.483 ug/l

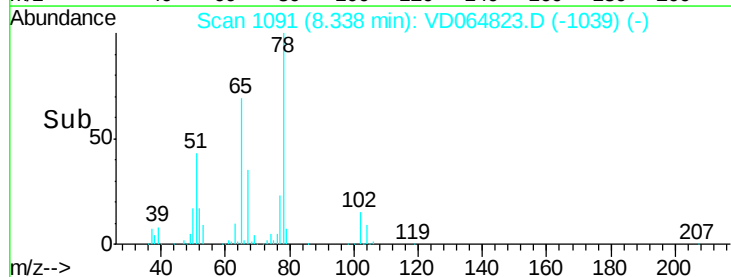
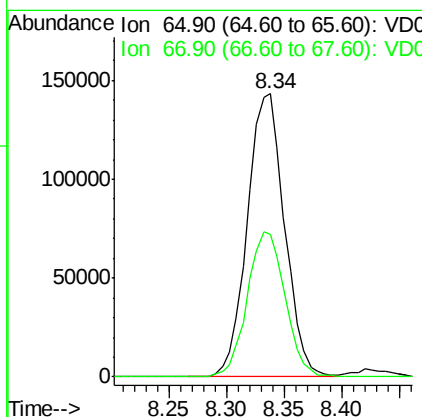
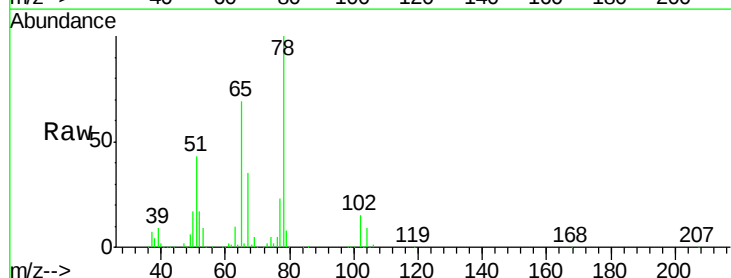
RT: 8.34 min Scan# 1091

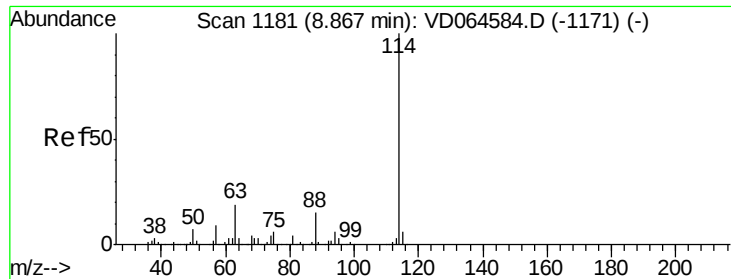
Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion:	65	Resp:	322238
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.2





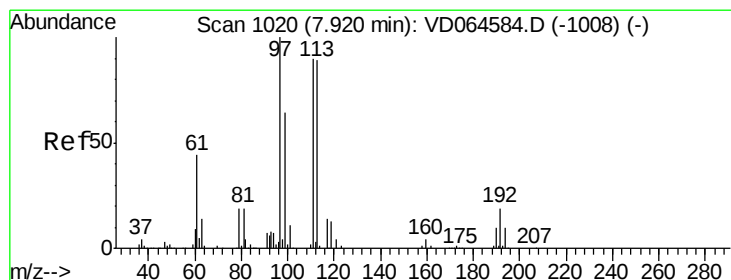
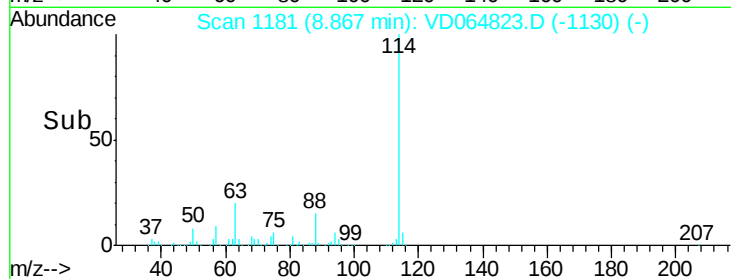
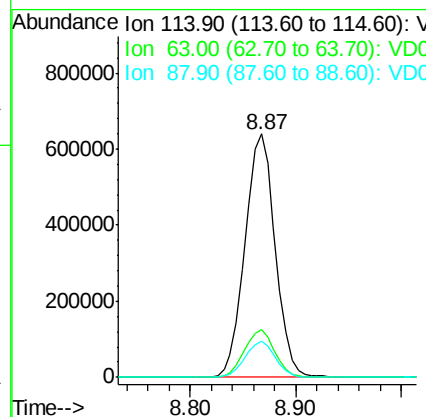
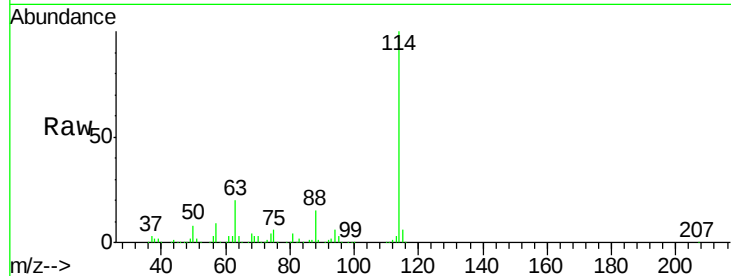
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.0
88	14.8	0.0	29.2

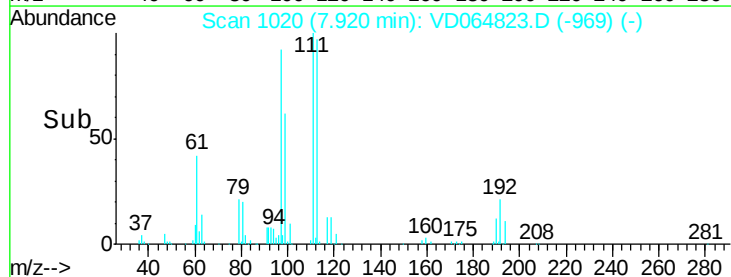
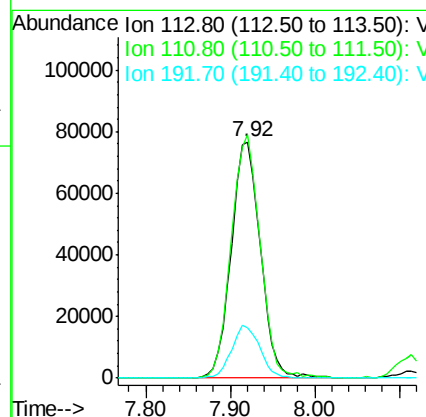
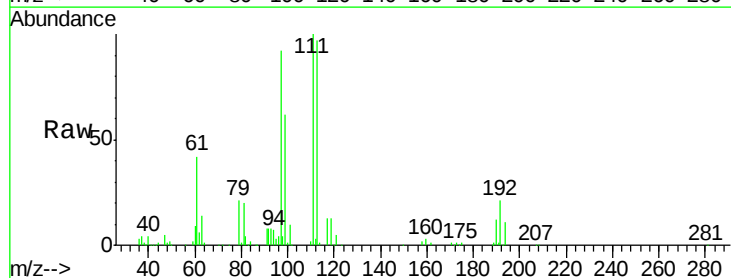
Manual Integrations
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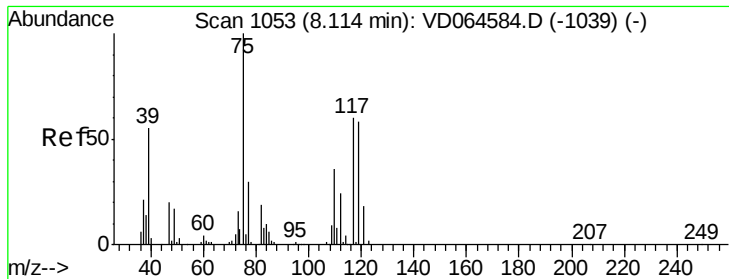
MMDadoda
 1/10/2020 10:42:13 AM



#35
 Dibromofluoromethane
 Concen: 23.435 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	21.5	17.9	26.9





#36

1,1-Dichloropropene

Concen: 20.785 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

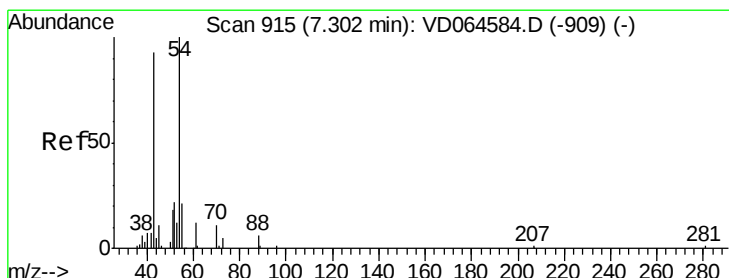
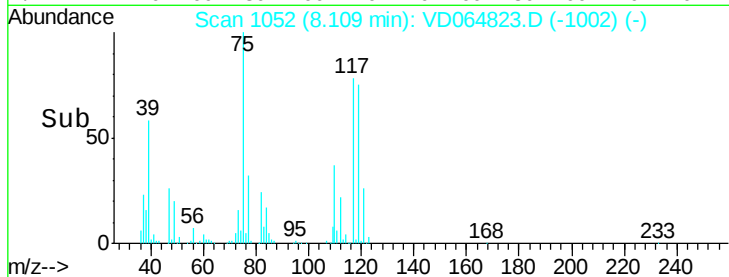
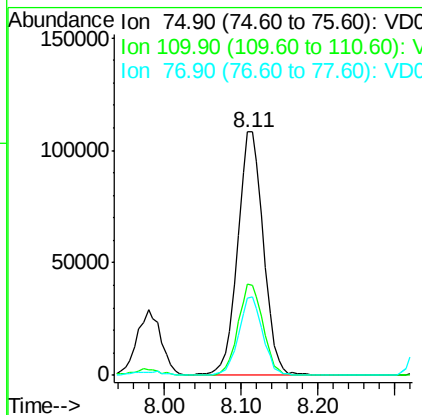
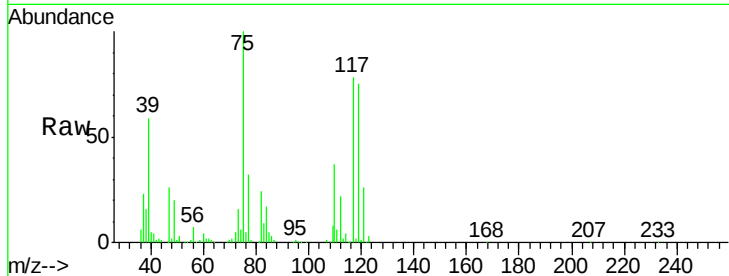
ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:	75	Resp:	253909
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.1
77	30.2	24.2	36.4

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#37

Ethyl Acetate

Concen: 33.886 ug/l

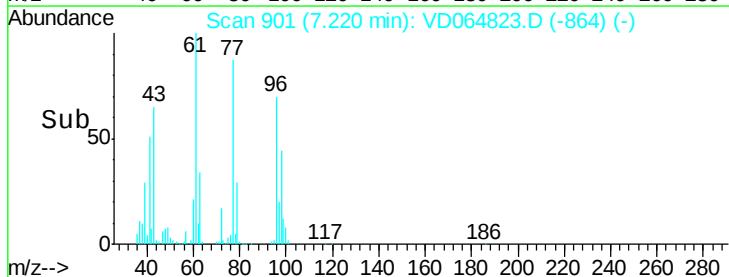
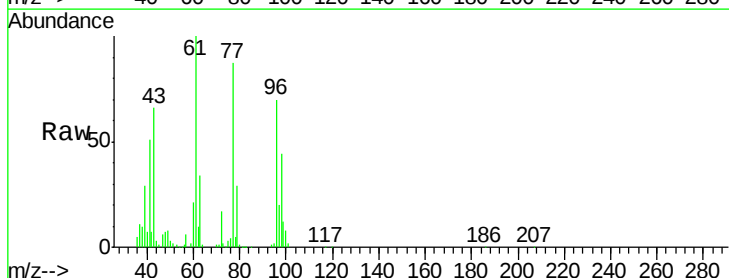
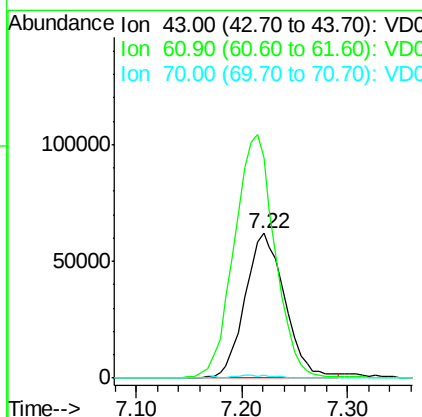
RT: 7.22 min Scan# 901

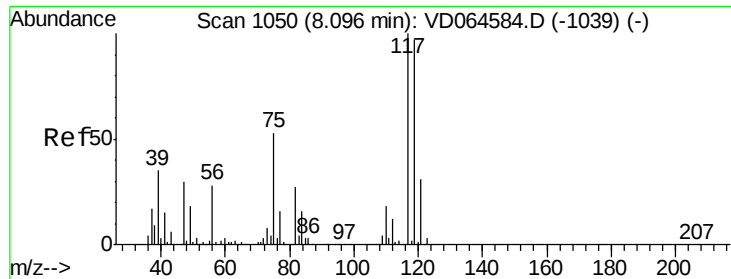
Delta R.T. -0.08 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion:	43	Resp:	162621
Ion Ratio	Lower	Upper	
43	100		
61	171.8	10.3	15.5#
70	2.4	7.6	11.4#





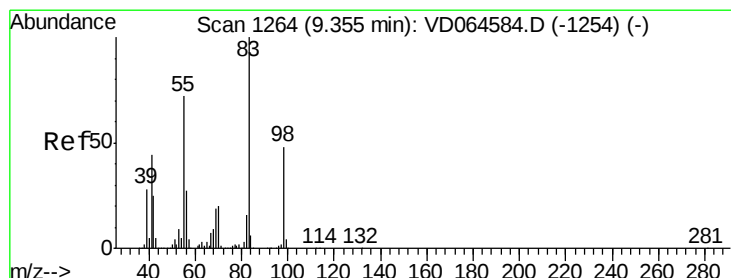
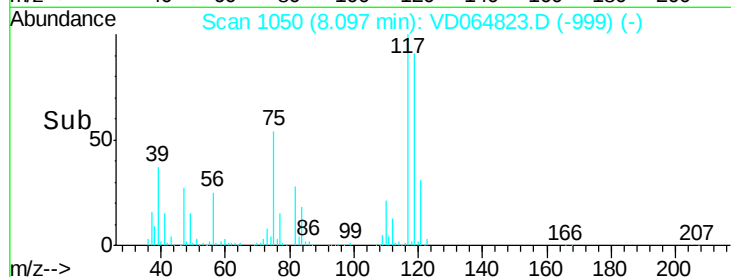
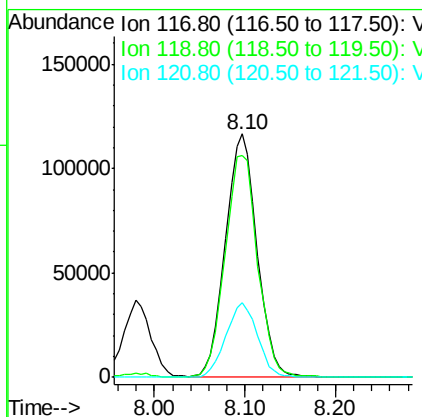
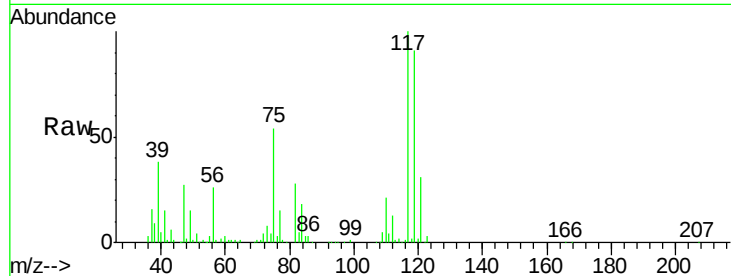
#38
Carbon Tetrachloride
Concen: 21.571 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.9	77.3	115.9
121	30.7	25.0	37.6

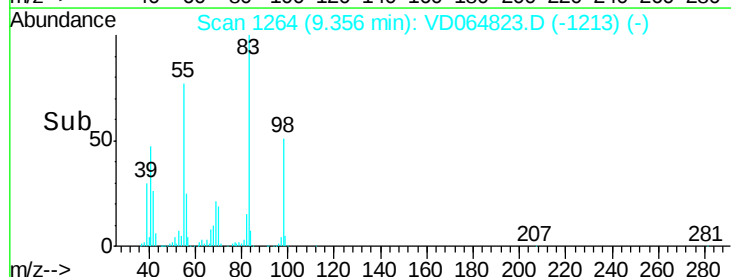
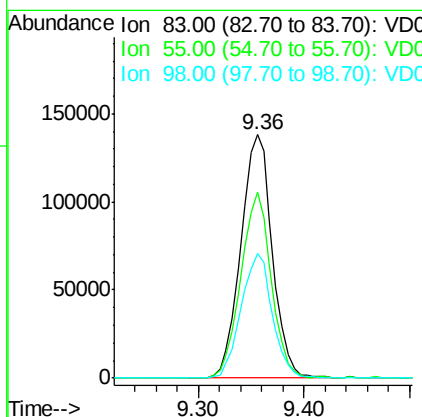
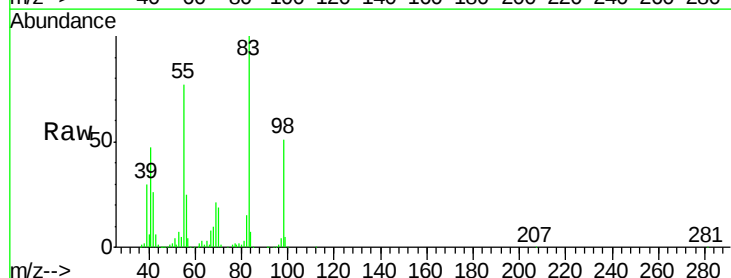
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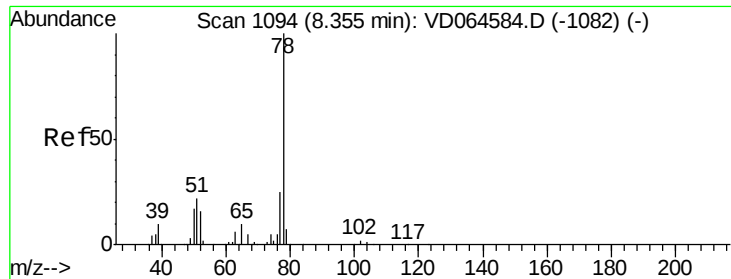
MMDadoda
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#39
Methylcyclohexane
Concen: 19.295 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.6	57.8	86.6
98	51.3	38.7	58.1





#40

Benzene

Concen: 21.150 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 78 Resp: 705311

Ion Ratio Lower Upper

78 100

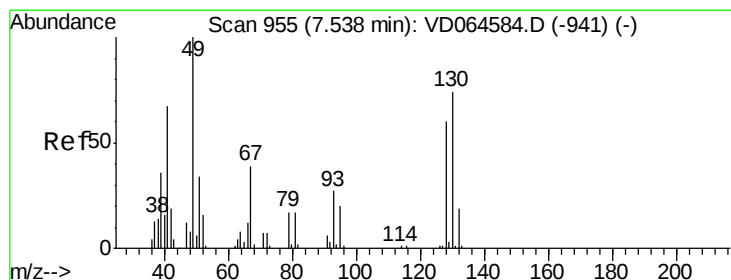
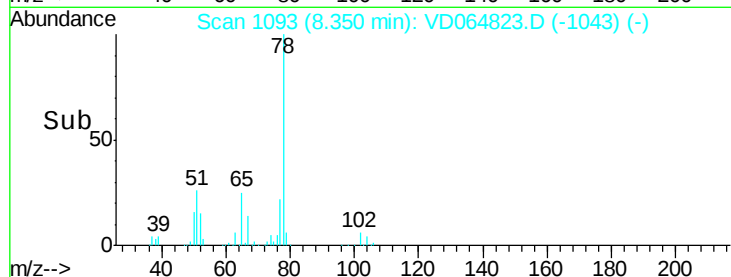
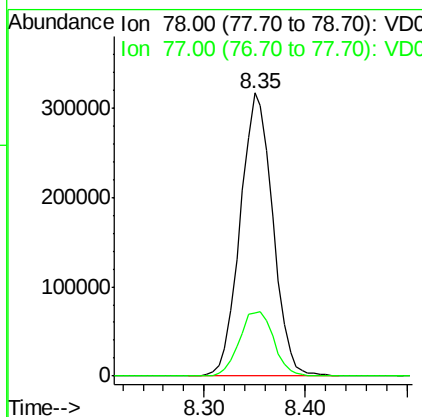
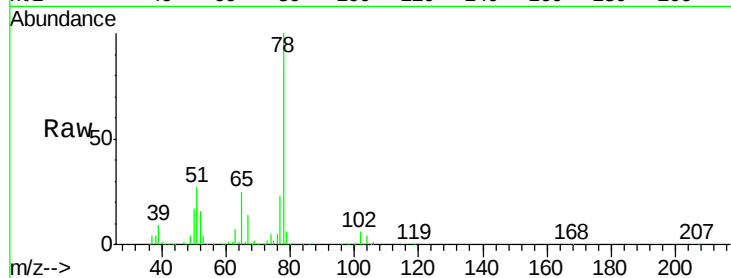
77 22.6 19.9 29.9

Manual Integrations

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#41

Methacrylonitrile

Concen: 12.956 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion: 41 Resp: 36074

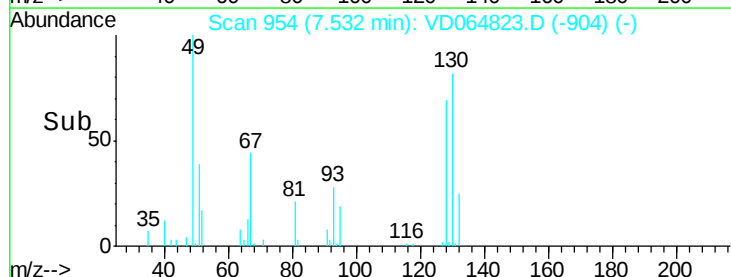
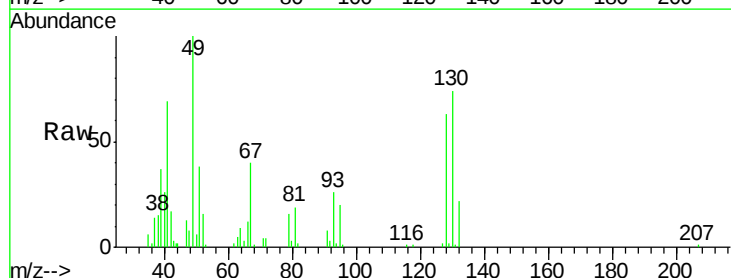
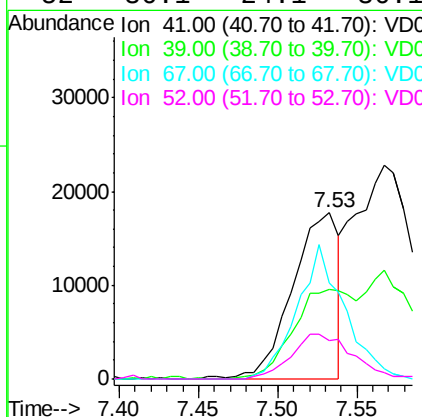
Ion Ratio Lower Upper

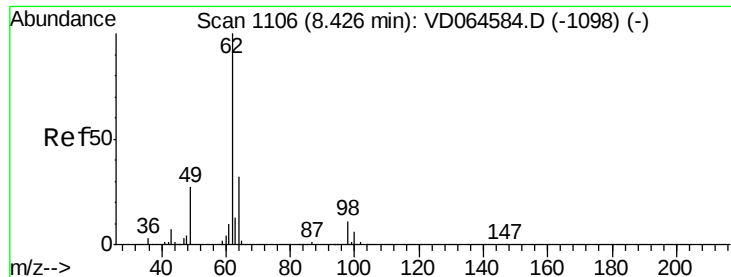
41 100

39 72.0 46.7 70.1#

67 82.5 52.5 78.7#

52 36.1 24.1 36.1





#42

1,2-Dichloroethane

Concen: 18.650 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 62 Resp: 179727

Ion Ratio Lower Upper

62 100

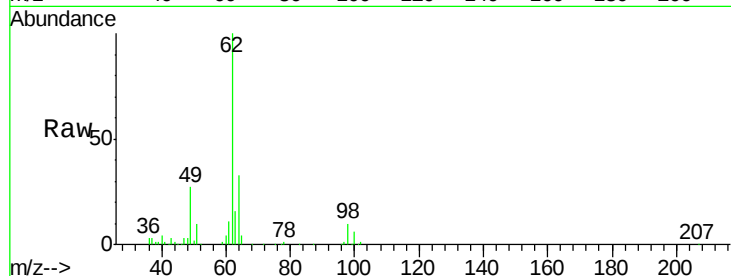
98 9.6 0.0 20.0

Manual Integrations

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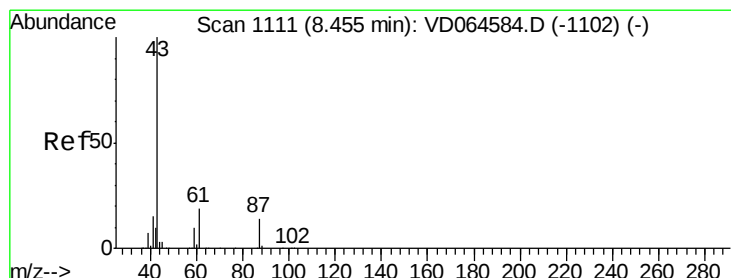
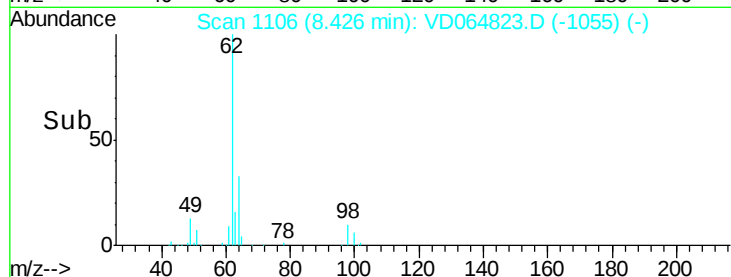
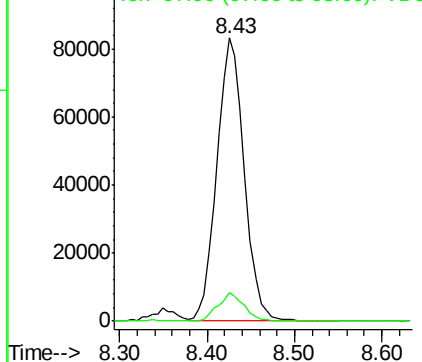
MMDadoda

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Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#43

Isopropyl Acetate

Concen: 6.854 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

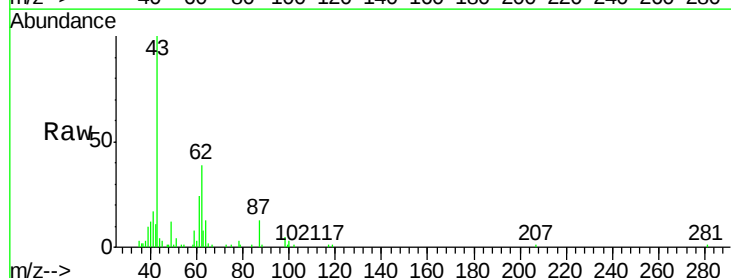
Tgt Ion: 43 Resp: 65465

Ion Ratio Lower Upper

43 100

61 0.0 23.7 35.5#

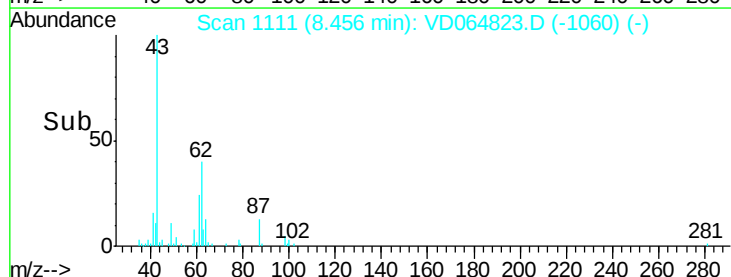
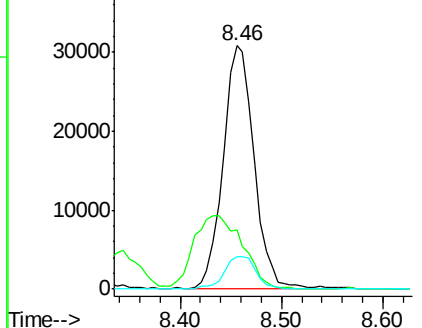
87 13.5 10.5 15.7

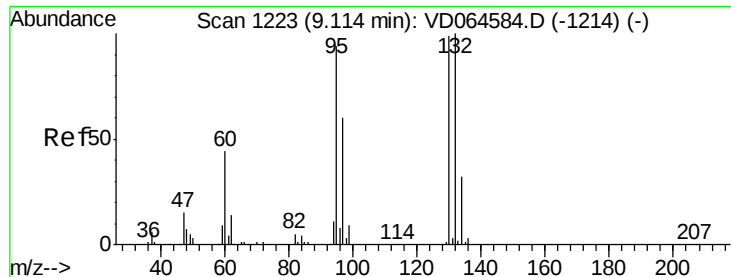


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC





#44

Trichloroethene

Concen: 38.335 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:130 Resp: 375549

Ion Ratio Lower Upper

130 100

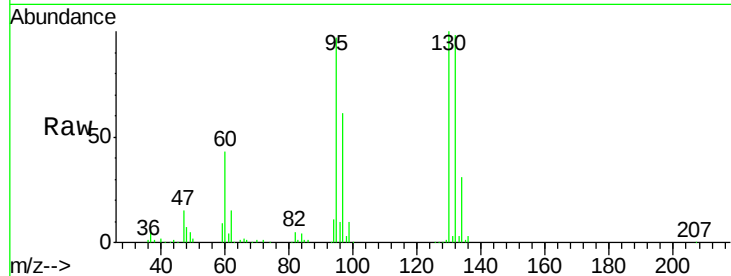
95 96.9 0.0 190.2

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

200000

150000

100000

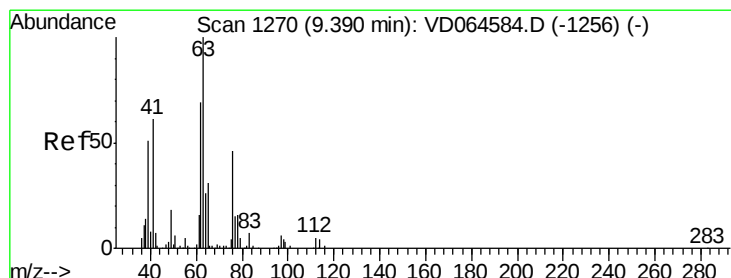
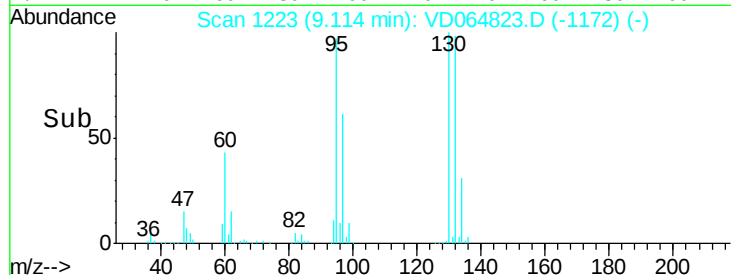
50000

0

Time-->

9.00 9.05 9.10 9.15 9.20

9.11



#45

1,2-Dichloropropane

Concen: 21.065 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064823.D

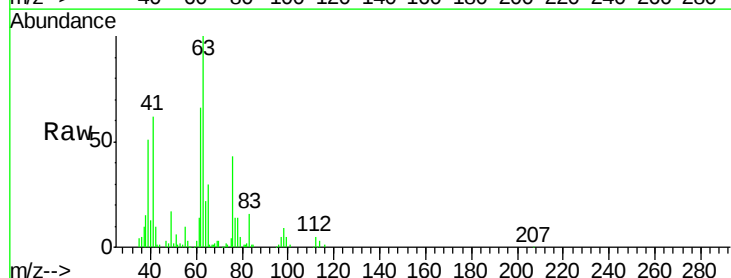
Acq: 09 Jan 2020 18:25

Tgt Ion: 63 Resp: 167728

Ion Ratio Lower Upper

63 100

65 29.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

80000

60000

40000

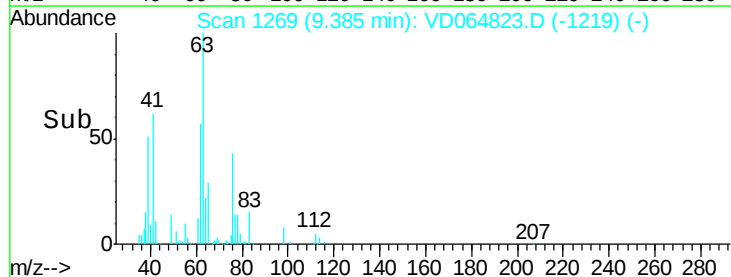
20000

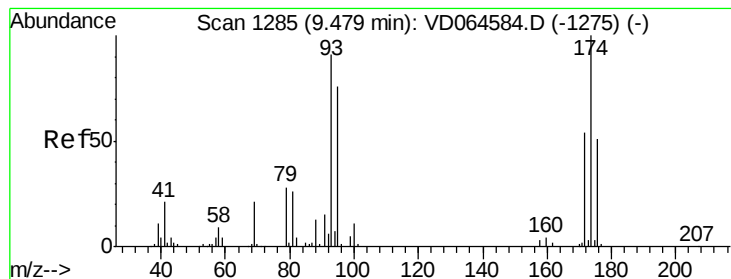
0

Time-->

9.30 9.40 9.50

9.38





#46

Dibromomethane

Concen: 17.216 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

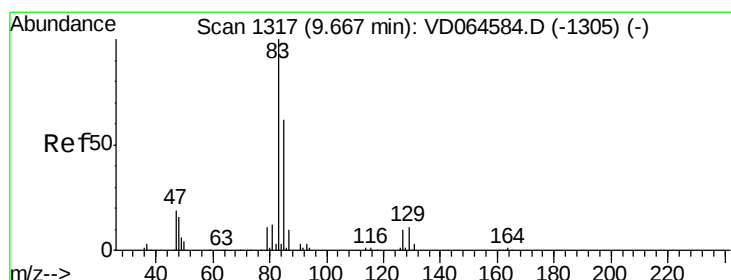
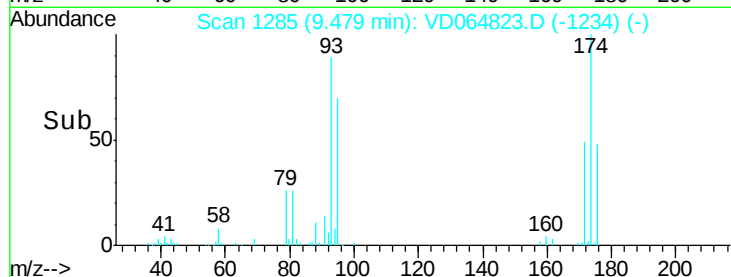
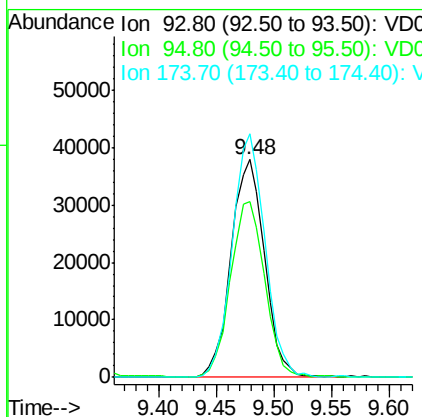
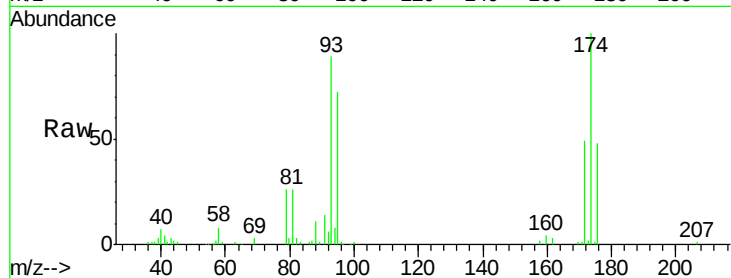
ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:	93	Resp:	76428
Ion	Ratio	Lower	Upper
93	100		
95	82.4	64.6	97.0
174	109.0	88.1	132.1

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#47

Bromodichloromethane

Concen: 19.810 ug/l

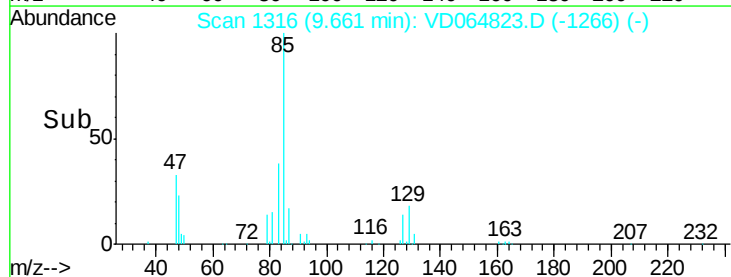
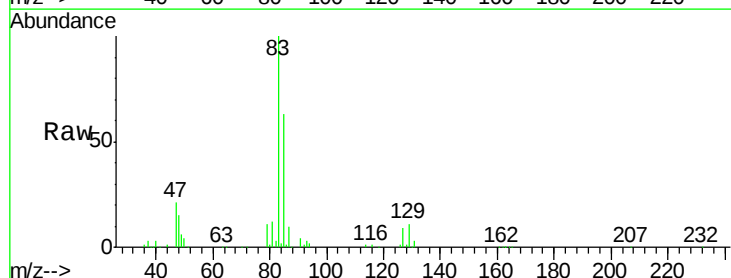
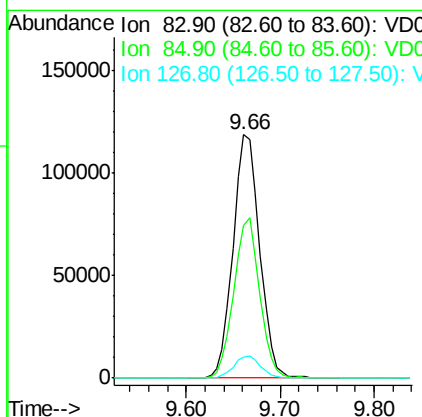
RT: 9.66 min Scan# 1316

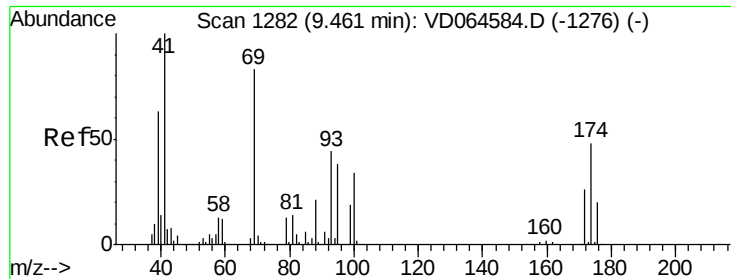
Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion:	83	Resp:	234006
Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.5	74.3
127	8.6	7.8	11.6





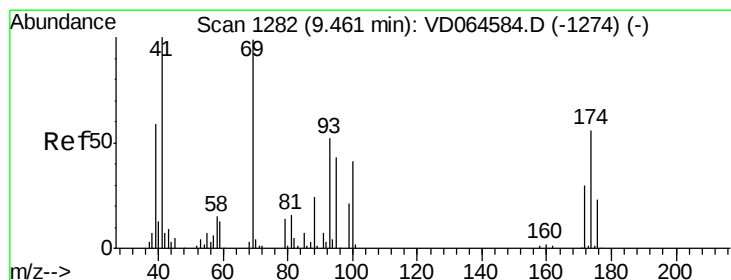
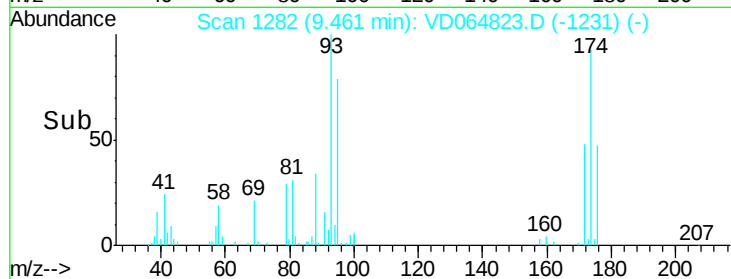
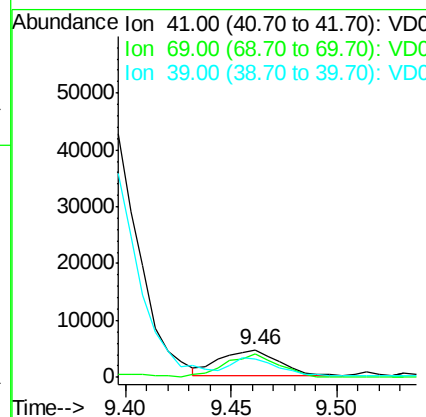
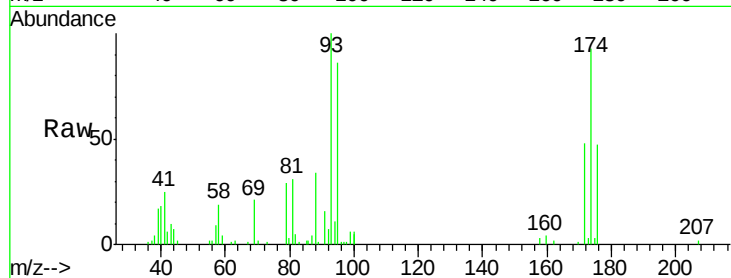
#48
Methvl methacrylate
Concen: 1.877 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
41	100		
69	84.8	63.0	94.6
39	52.4	47.4	71.2

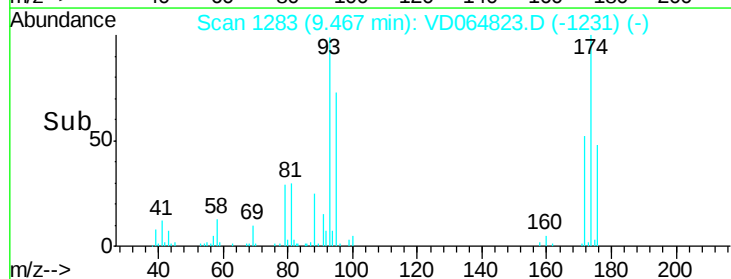
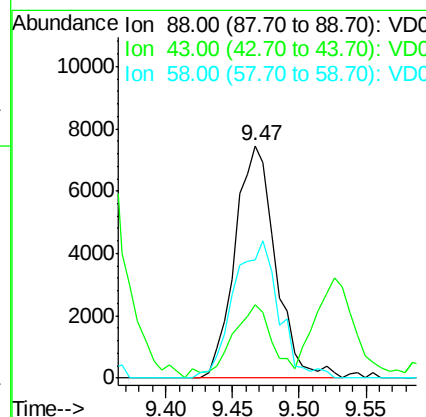
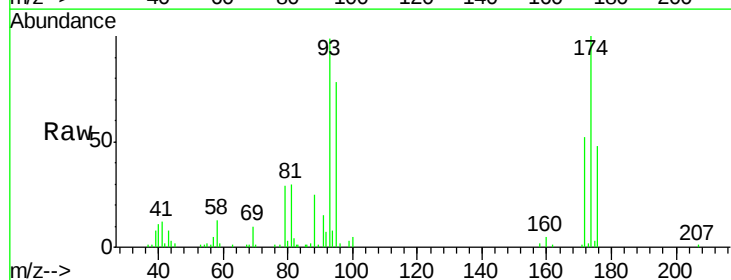
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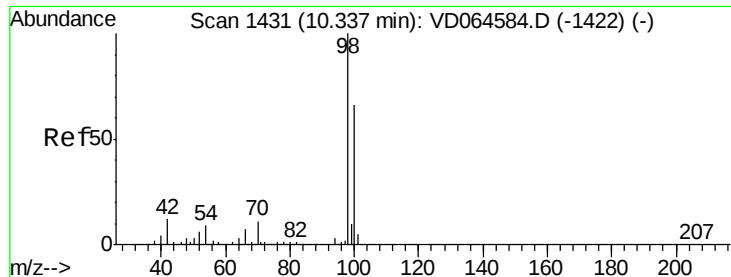
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#49
1,4-Dioxane
Concen: 307.088 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.8	27.7	41.5
58	65.6	53.8	80.6





#50

Toluene-d8

Concen: 54.308 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 98 Resp: 1619583

Ion Ratio Lower Upper

98 100

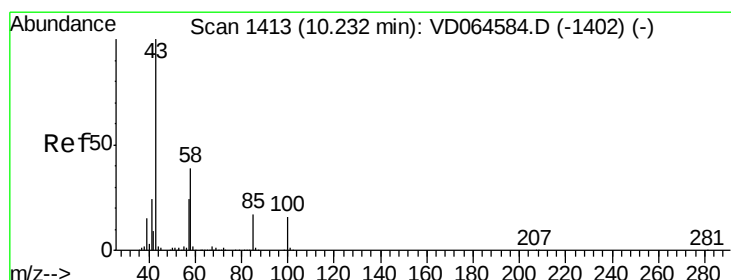
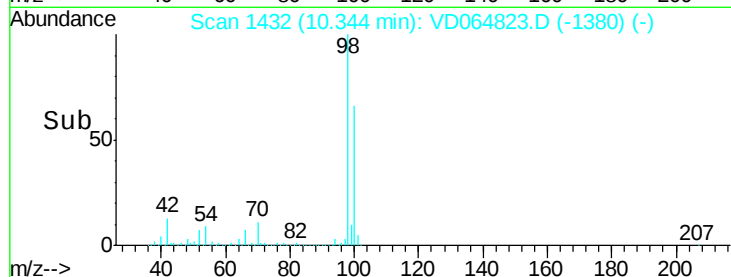
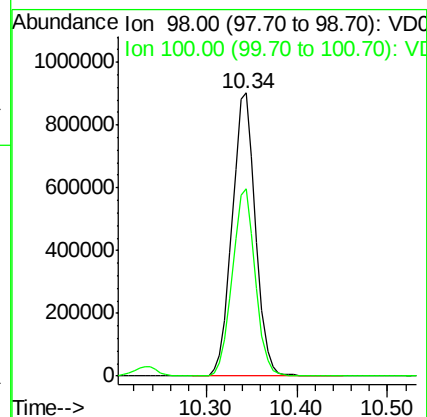
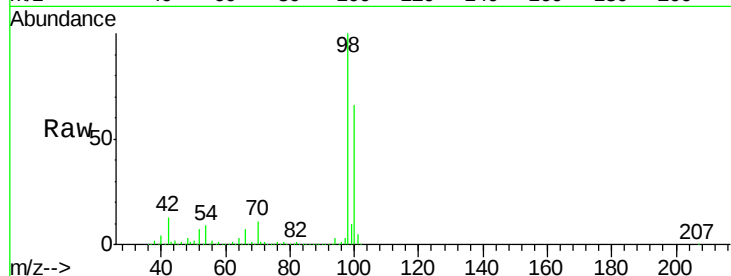
100 65.2 51.7 77.5

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#51

4-Methyl-2-Pentanone

Concen: 75.401 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064823.D

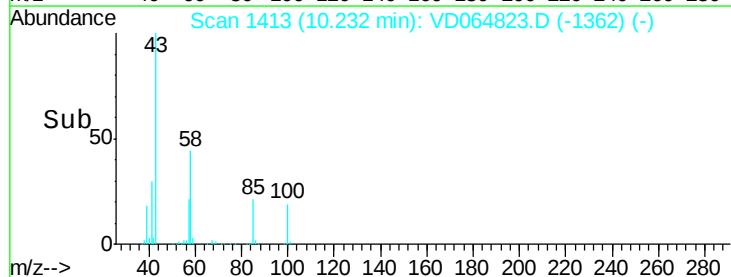
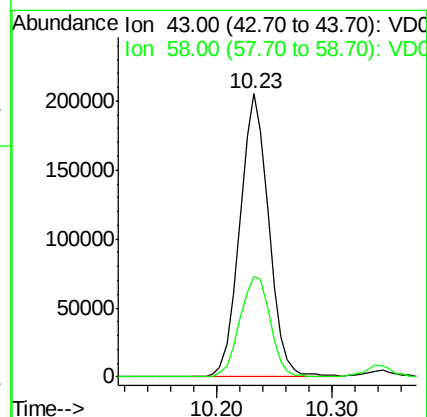
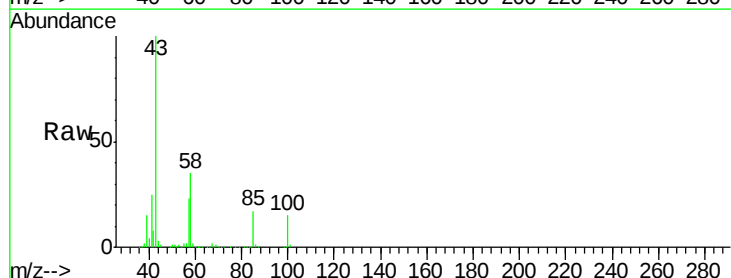
Acq: 09 Jan 2020 18:25

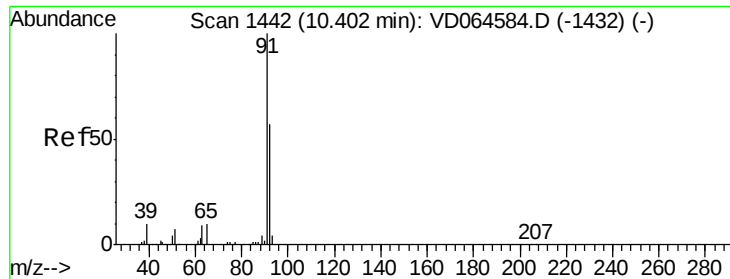
Tgt Ion: 43 Resp: 355995

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.2





#52

Toluene

Concen: 20.847 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 92 Resp: 456116

Ion Ratio Lower Upper

92 100

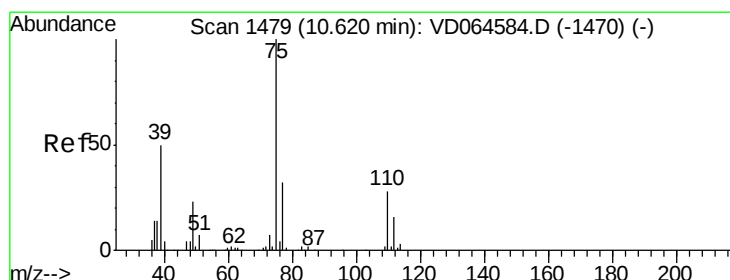
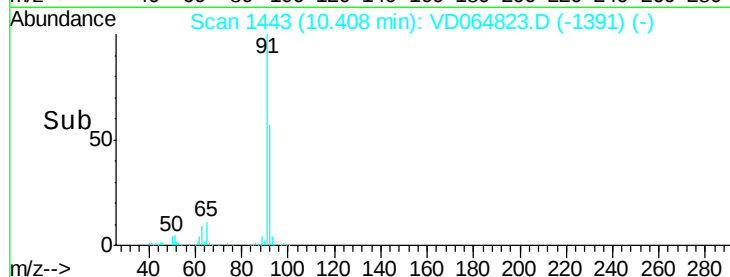
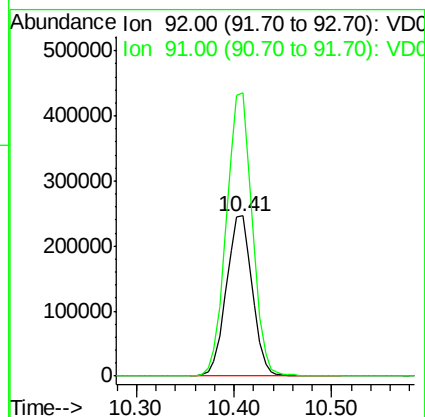
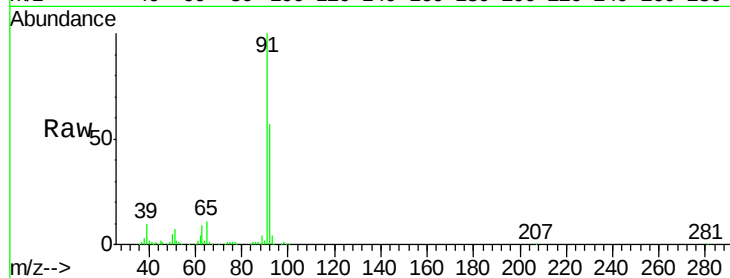
91 175.3 138.7 208.1

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#53

t-1,3-Dichloropropene

Concen: 18.315 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064823.D

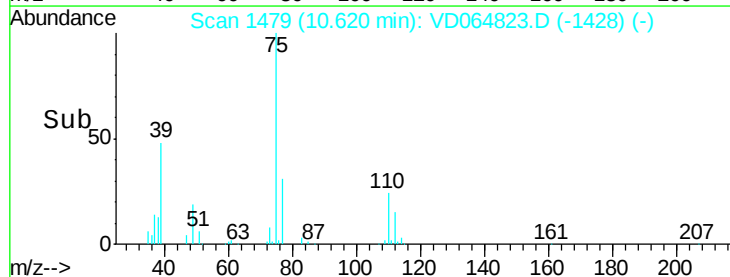
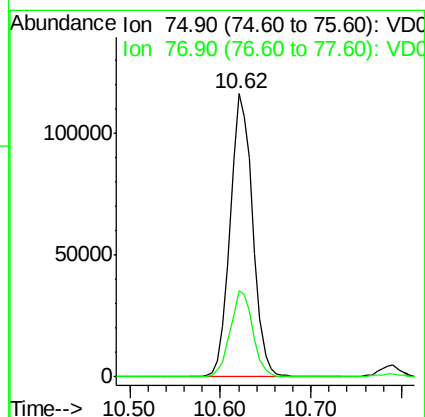
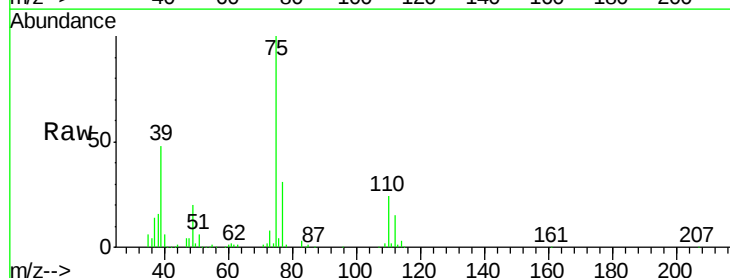
Acq: 09 Jan 2020 18:25

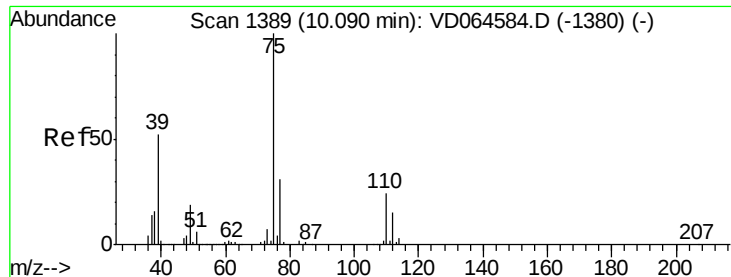
Tgt Ion: 75 Resp: 201711

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2





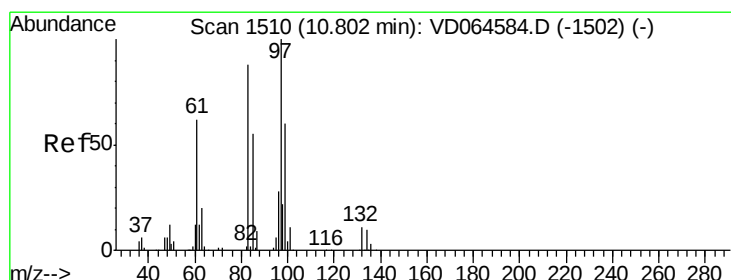
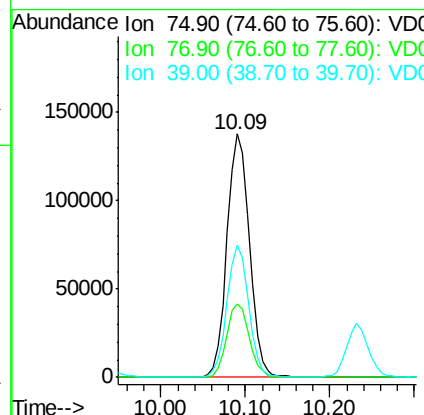
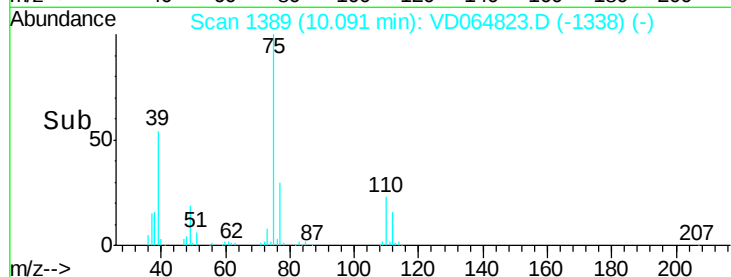
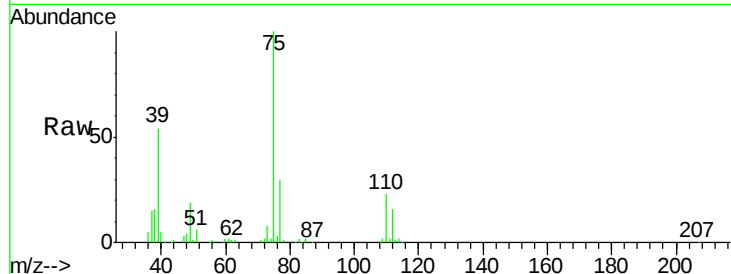
#54
 cis-1,3-Dichloropropene
 Concen: 19.548 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.6	36.8
39	54.1	41.4	62.2

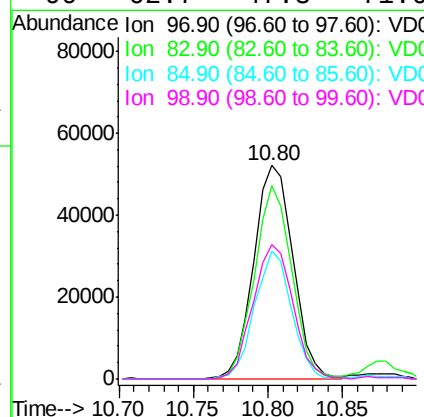
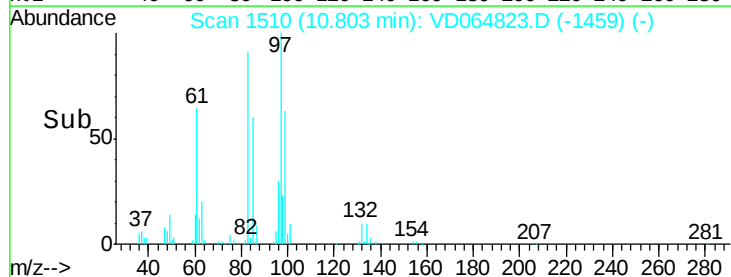
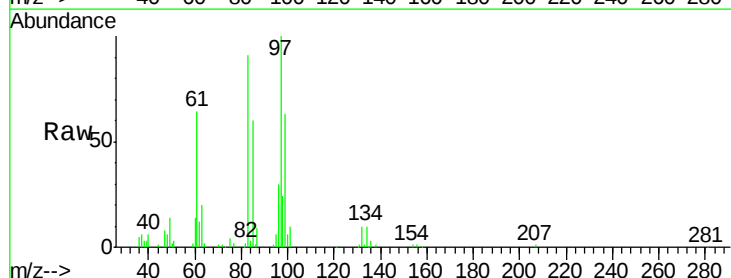
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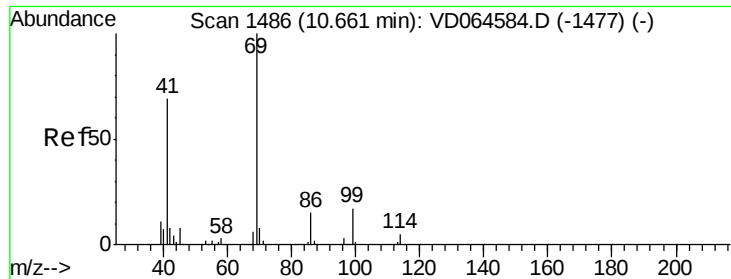
MMDadoda
 1/10/2020 10:42:13 AM



#55
 1,1,2-Trichloroethane
 Concen: 15.884 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.5	70.2	105.4
85	59.8	44.0	66.0
99	62.7	47.8	71.6





#56

Ethyl methacrylate

Concen: 5.972 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

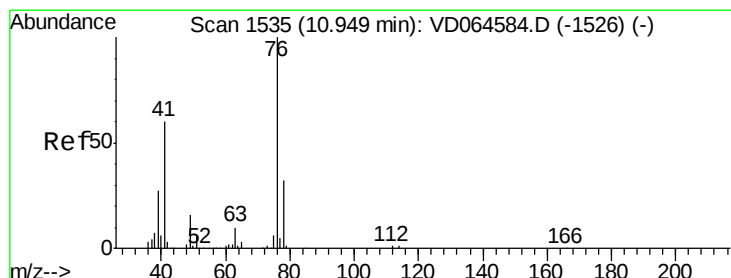
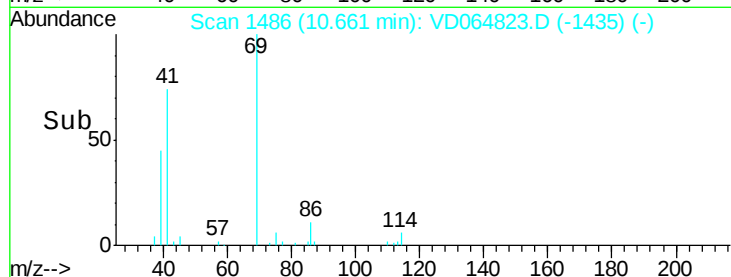
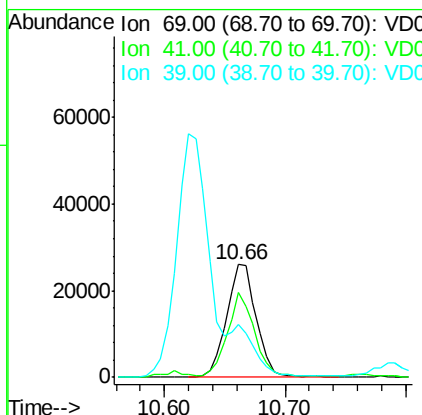
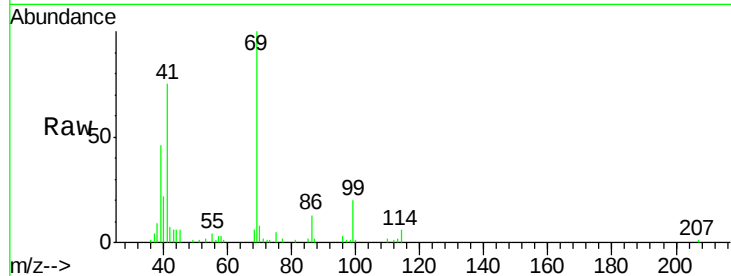
ClientSampleID :

SB-3H-(8.5-10.5)MS

Tot Ion:	69	Resp:	44619
Ion	Ratio	Lower	Upper
69	100		
41	67.1	55.3	82.9
39	0.0	33.8	50.8#

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#57

1,3-Dichloropropane

Concen: 17.531 ug/l

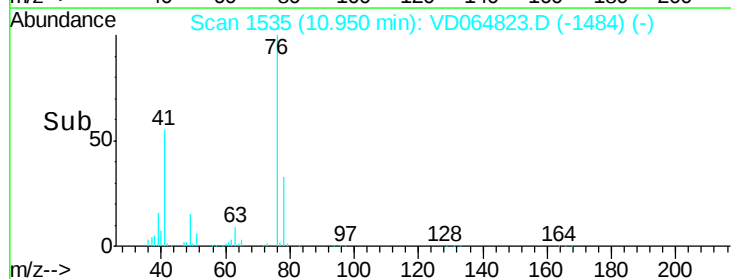
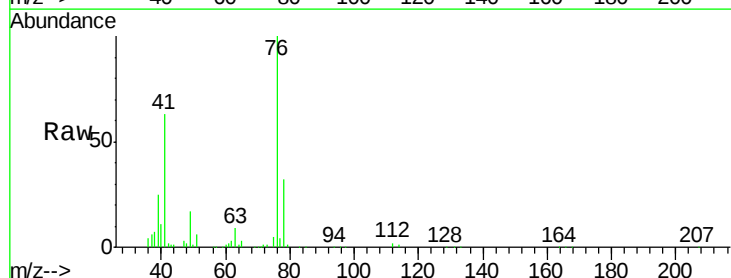
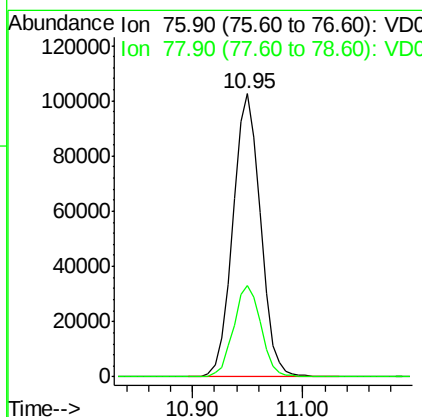
RT: 10.95 min Scan# 1535

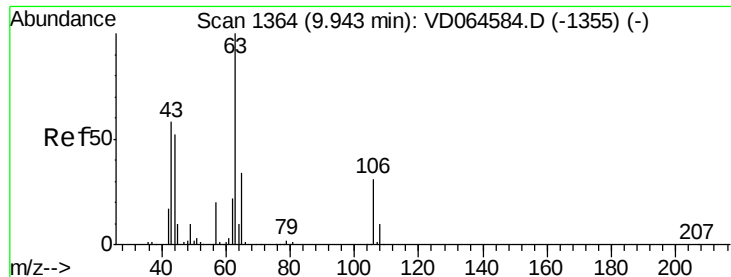
Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion:	76	Resp:	180582
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4





#58

2-Chloroethyl Vinyl ether

Concen: 77.590 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 63 Resp: 220866

Ion Ratio Lower Upper

63 100

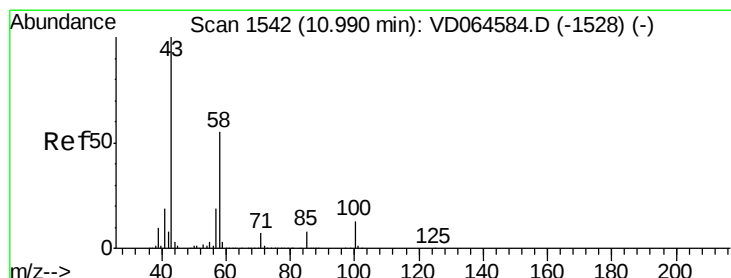
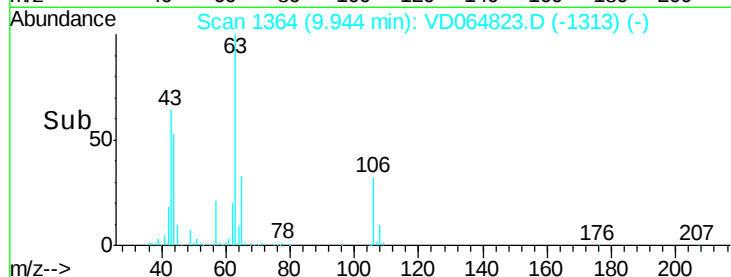
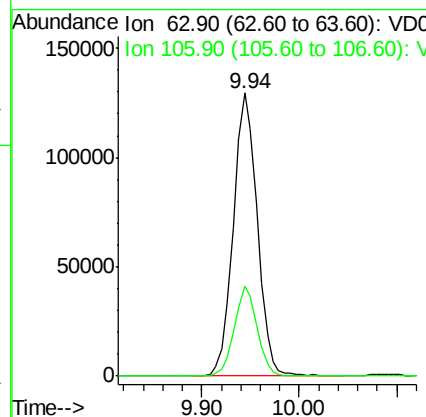
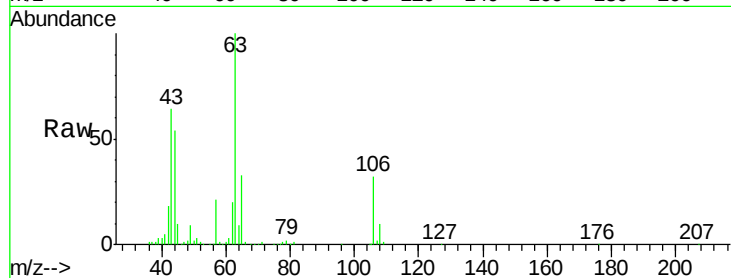
106 30.1 23.8 35.8

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#59

2-Hexanone

Concen: 80.633 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD064823.D

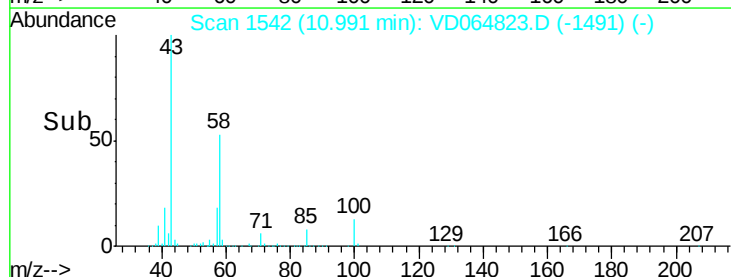
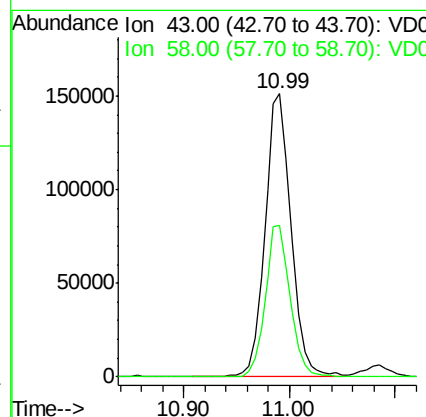
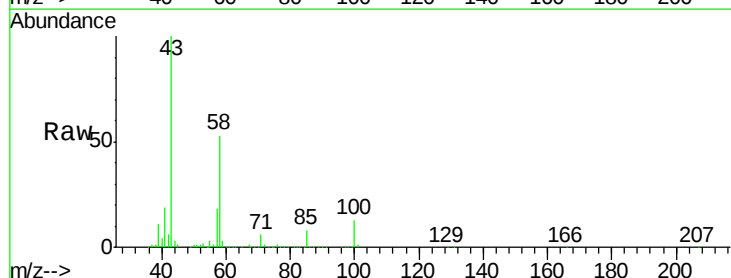
Acq: 09 Jan 2020 18:25

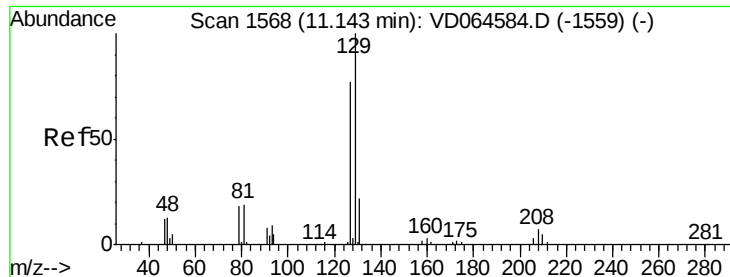
Tgt Ion: 43 Resp: 258387

Ion Ratio Lower Upper

43 100

58 51.2 26.4 79.0





#60

Dibromochloromethane

Concen: 17.199 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:129 Resp: 142287

Ion Ratio Lower Upper

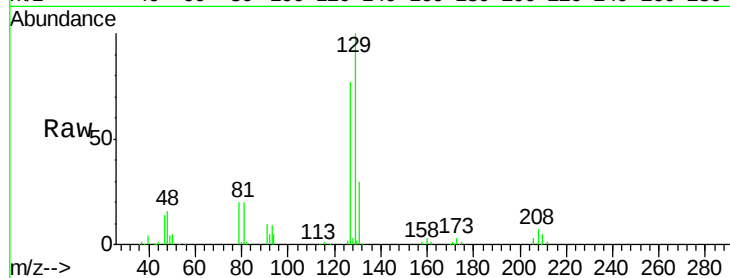
129 100

127 78.9 38.4 115.2

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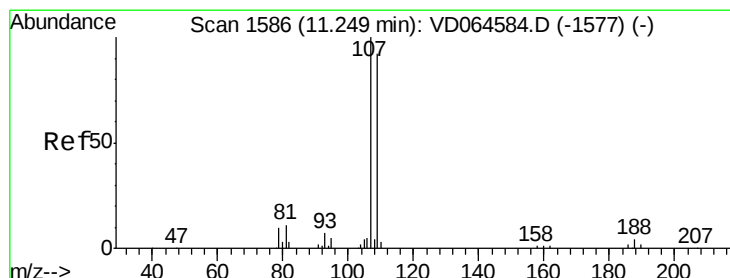
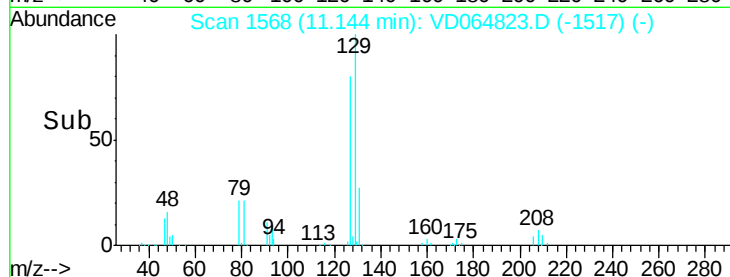
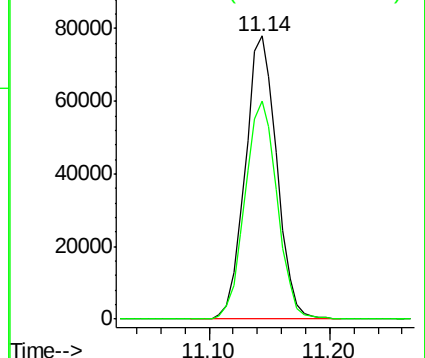
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 16.400 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064823.D

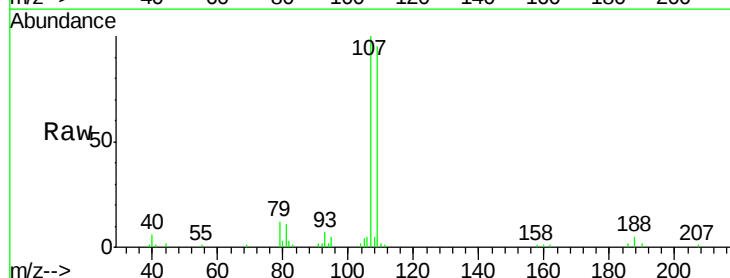
Acq: 09 Jan 2020 18:25

Tgt Ion:107 Resp: 96771

Ion Ratio Lower Upper

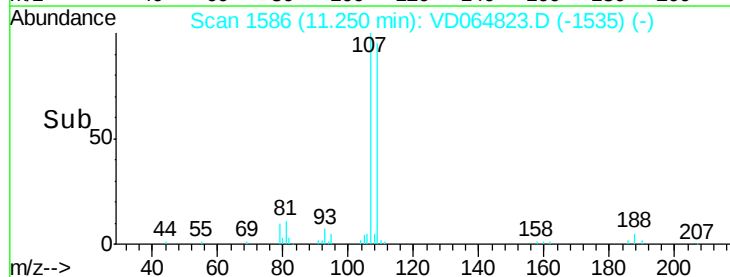
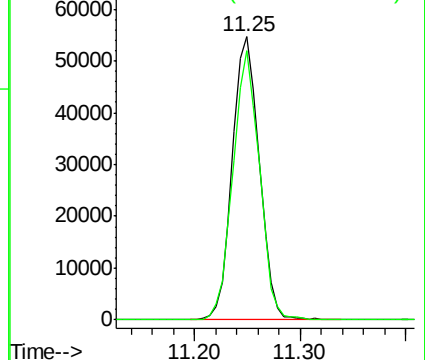
107 100

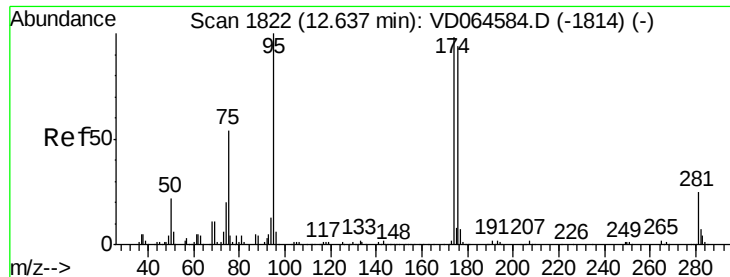
109 93.1 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





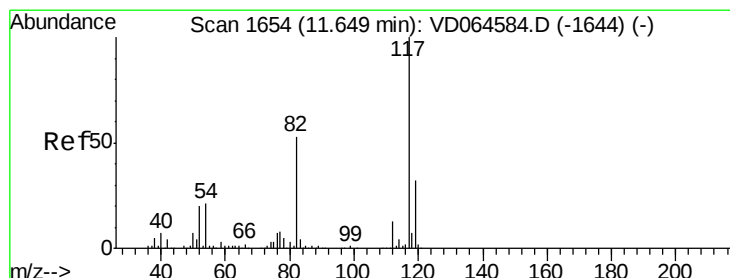
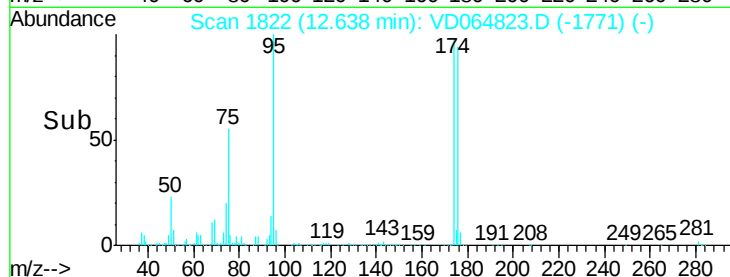
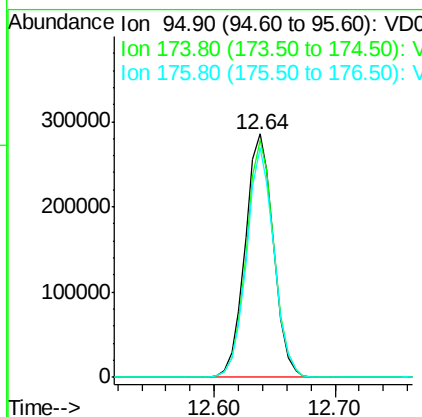
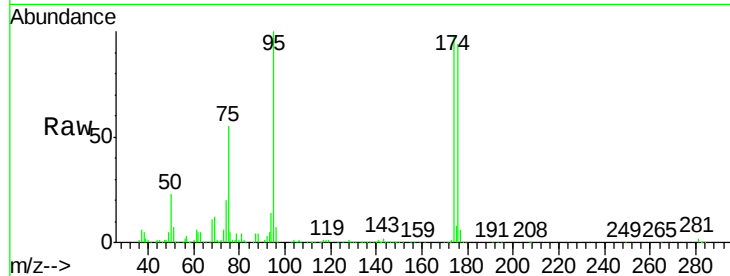
#62
4-Bromofluorobenzene
Concen: 49.300 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	464898		
174	95.7	0.0	193.2	
176	91.6	0.0	184.2	

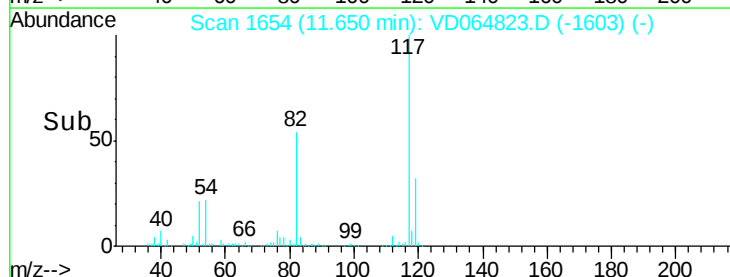
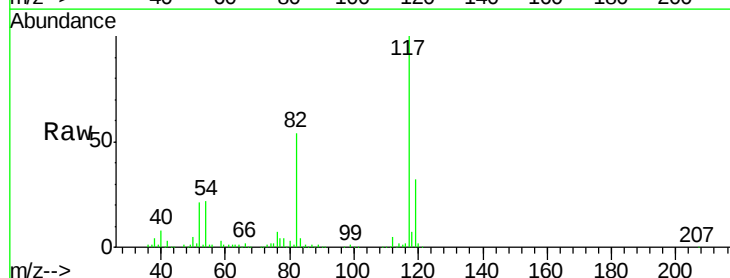
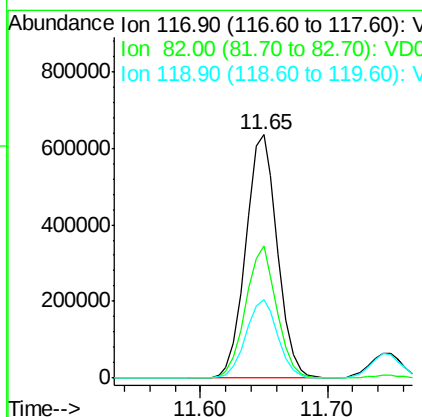
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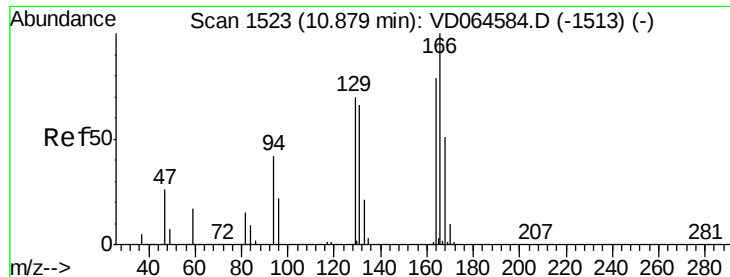
MMDadoda
1/10/2020 10:42:13 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1099119		
82	54.1	42.2	63.4	
119	32.4	26.0	39.0	





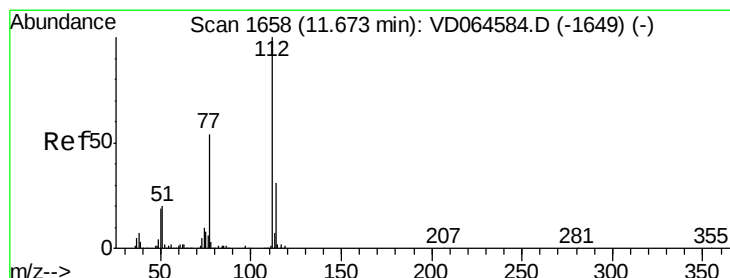
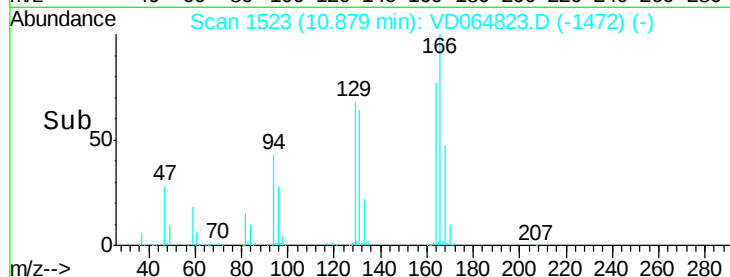
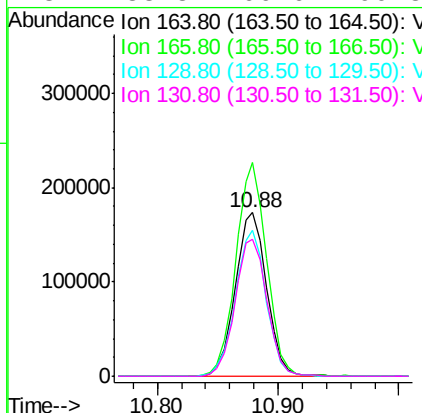
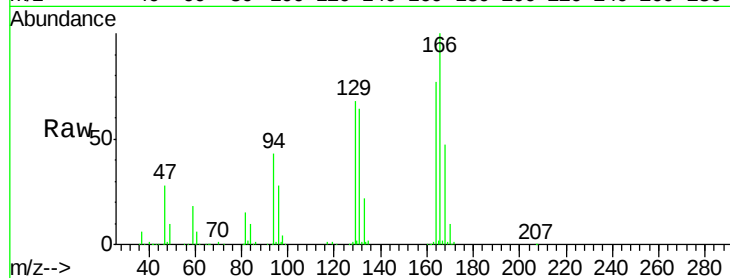
#64
Tetrachloroethene
Concen: 37.073 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.3	151.9
129	89.2	70.5	105.7
131	83.8	66.6	99.8

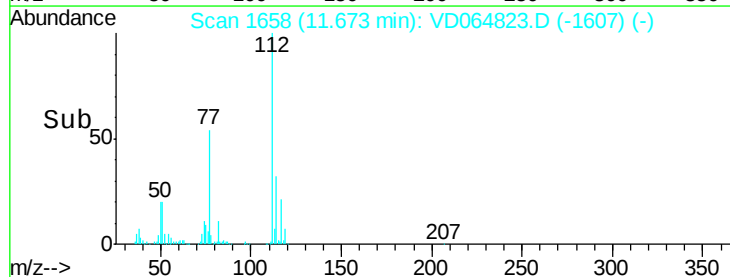
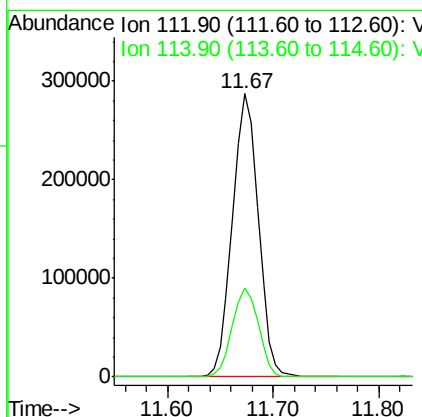
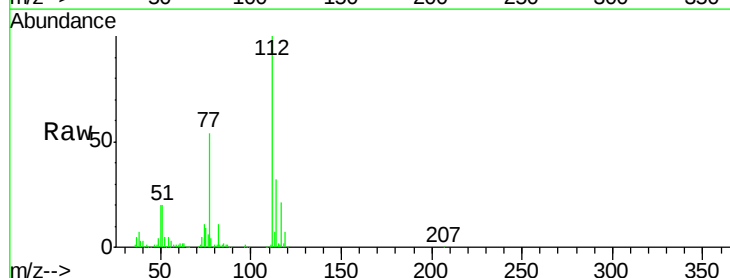
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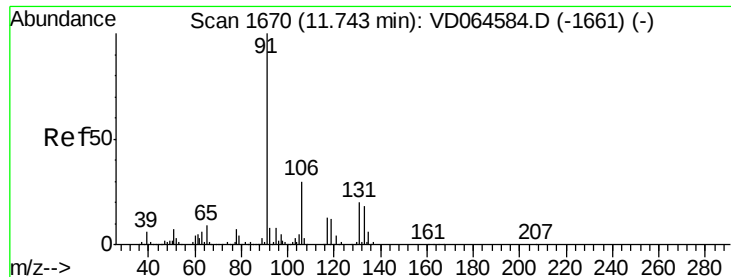
MMDadoda
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#65
Chlorobenzene
Concen: 21.369 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2





#66

1,1,1,2-Tetrachloroethane

Concen: 20.537 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:131 Resp: 176618

Ion Ratio Lower Upper

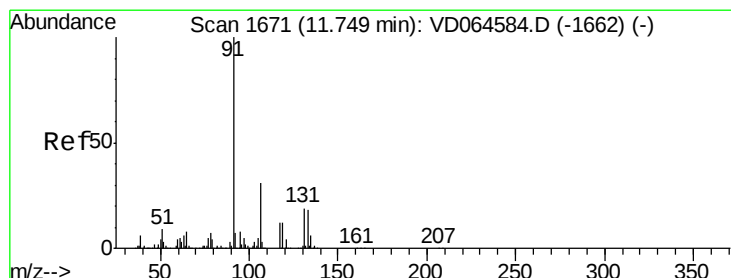
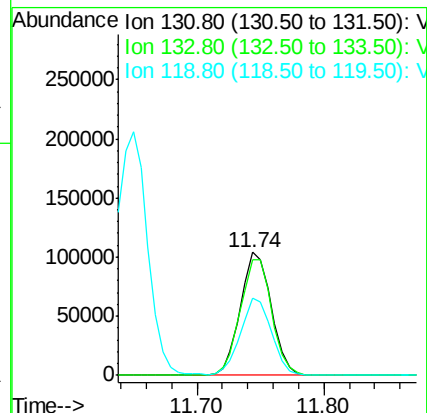
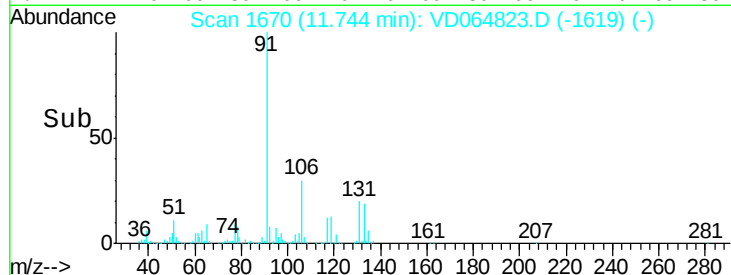
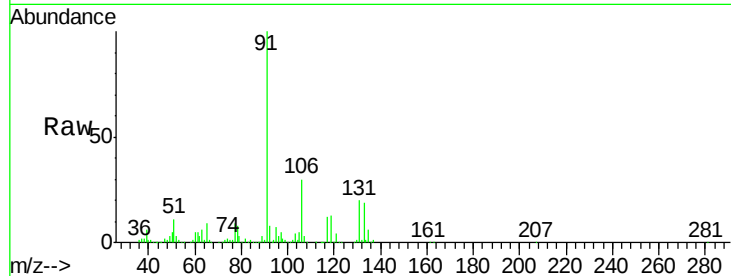
131 100

133 96.4 48.3 144.8

119 63.1 32.1 96.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 21.386 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064823.D

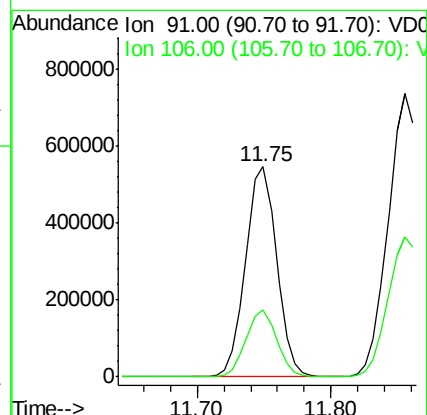
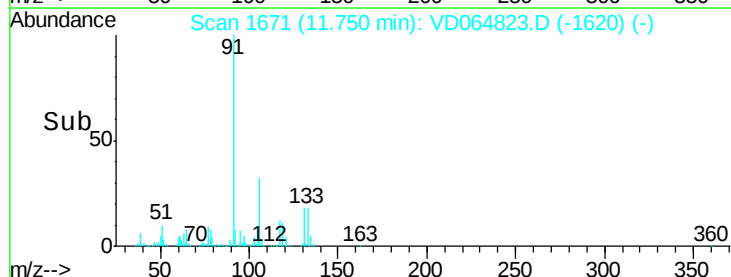
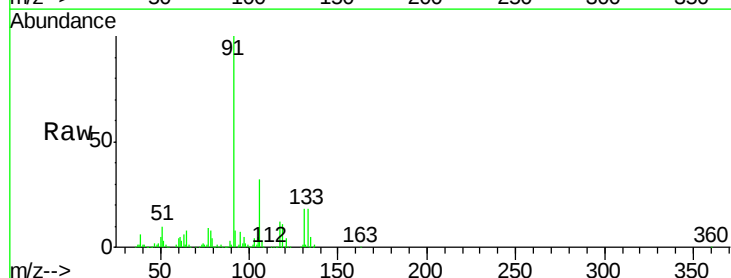
Acq: 09 Jan 2020 18:25

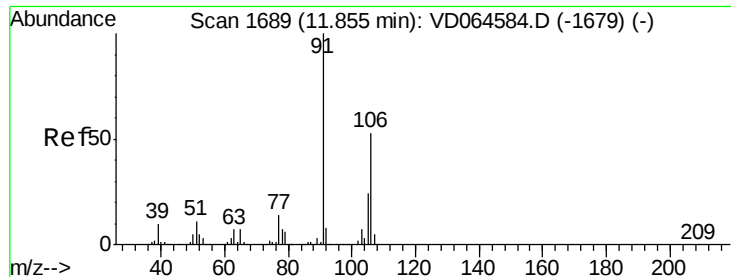
Tgt Ion: 91 Resp: 885476

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8





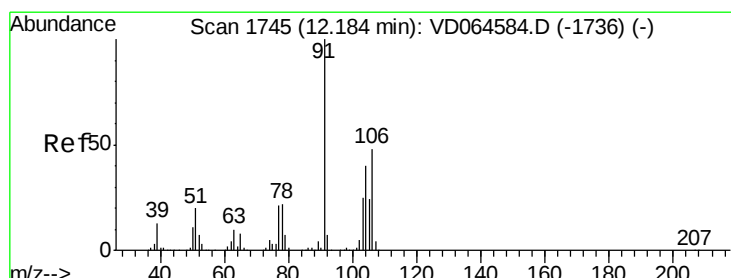
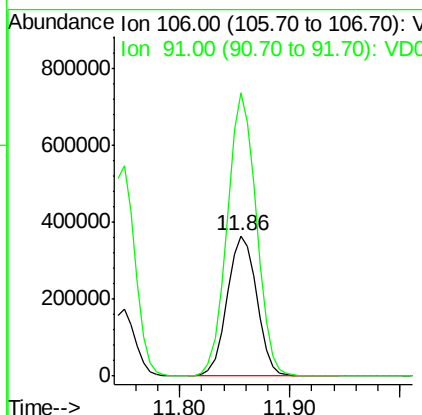
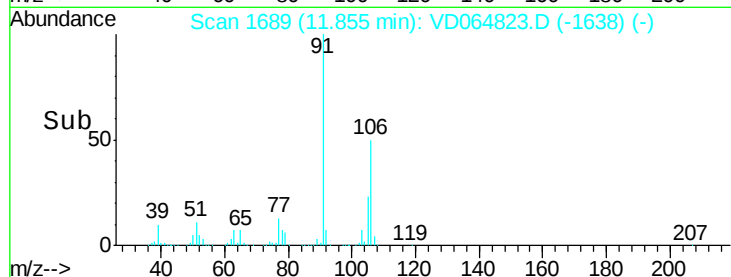
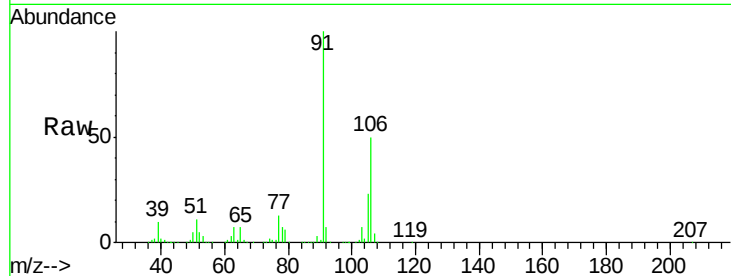
#68
m/p-Xvlenes
Concen: 42.860 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion:106 Resp: 684962
Ion Ratio Lower Upper
106 100
91 198.9 156.3 234.5

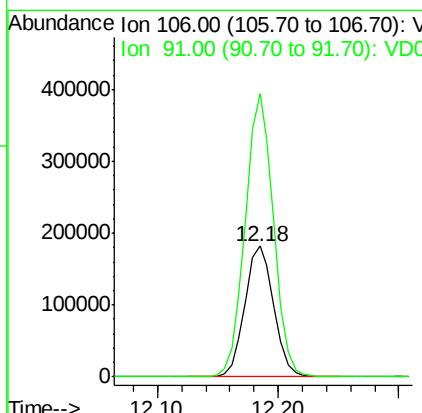
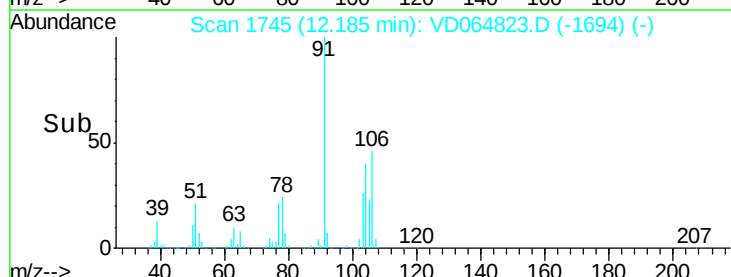
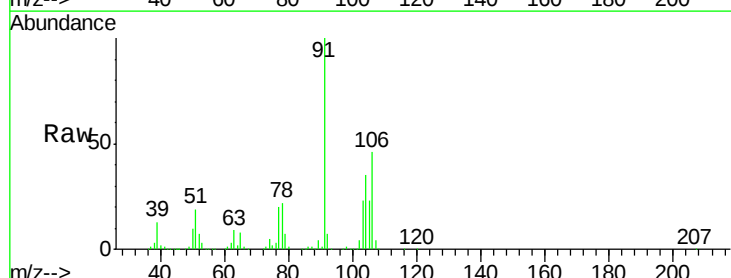
Manual Integrations
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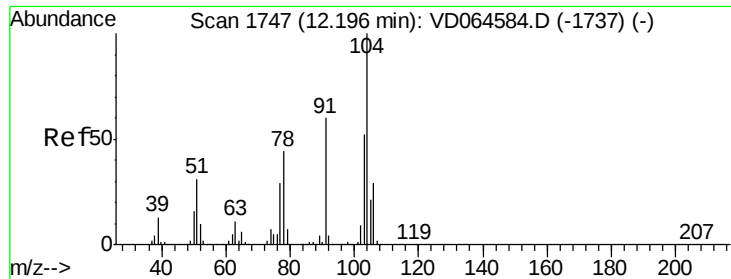
MMDadoda
1/10/2020 10:42:13 AM



#69
o-Xylene
Concen: 20.997 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion:106 Resp: 303104
Ion Ratio Lower Upper
106 100
91 212.1 104.8 314.4





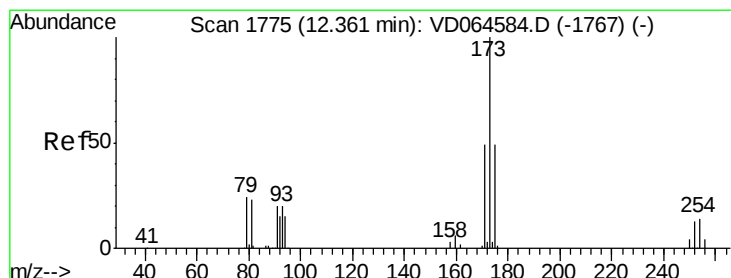
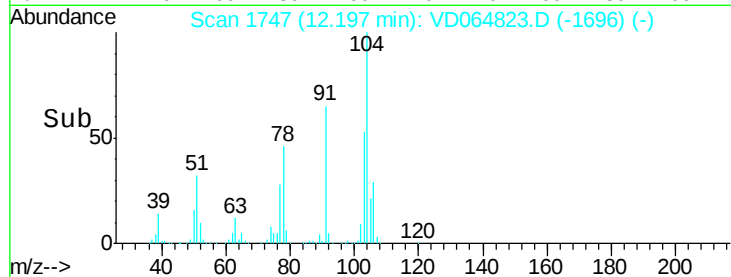
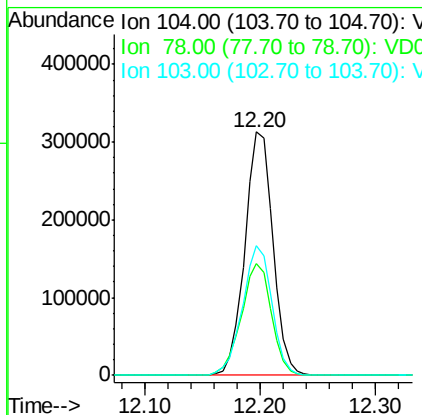
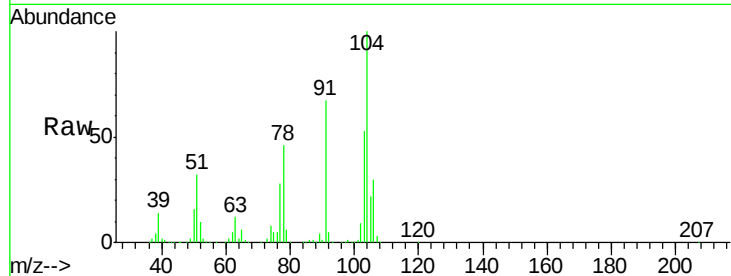
#70
Stvrene
Concen: 20.931 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	530340		
78	49.0		38.2	57.2
103	55.7		44.6	67.0

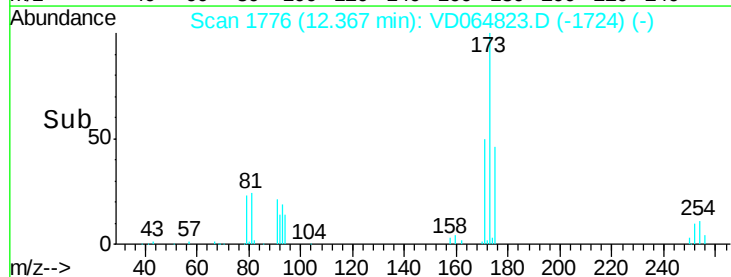
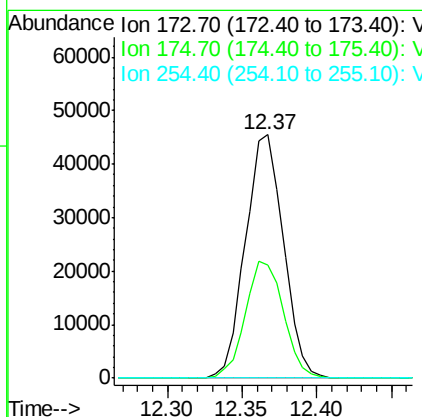
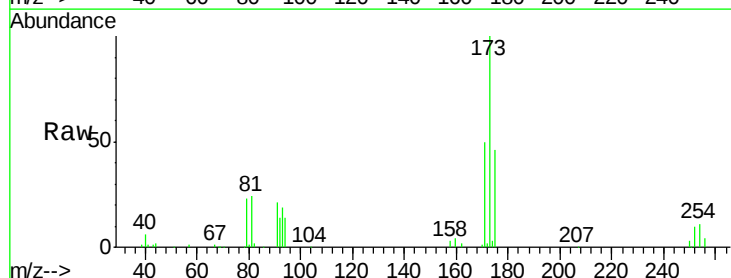
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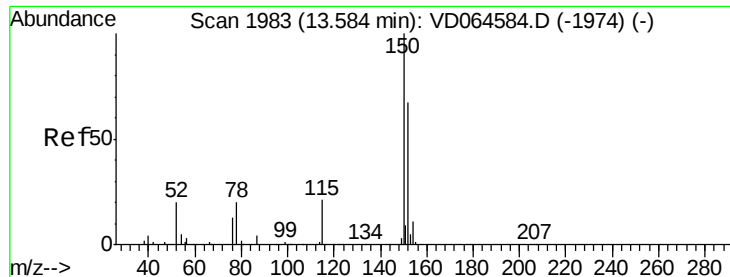
MMDadoda
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#71
Bromoform
Concen: 16.347 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	80168		
175	48.1		24.6	73.8
254	0.0		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

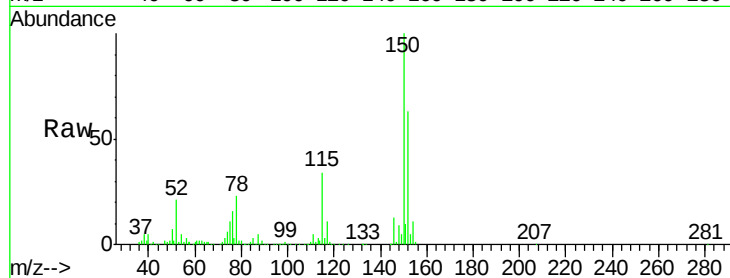
ClientSampleId :

SB-3H-(8.5-10.5)MS

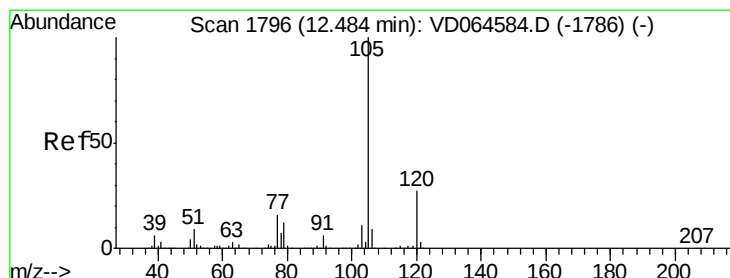
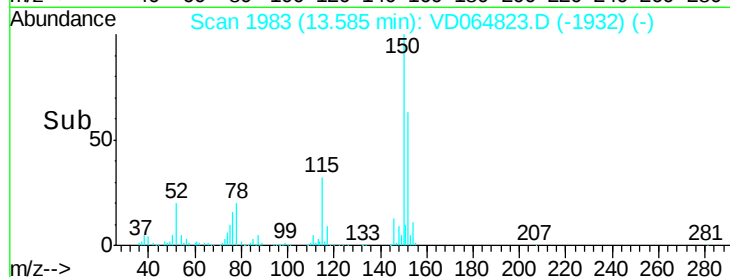
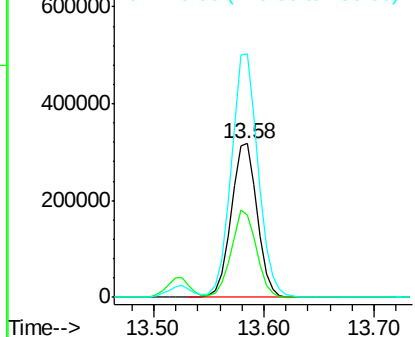
Tot Ion:	152	Resp:	525420
Ion Ratio	Lower	Upper	
152	100		
115	54.9	27.8	83.4
150	163.5	0.0	351.4

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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: 22.228 ug/l

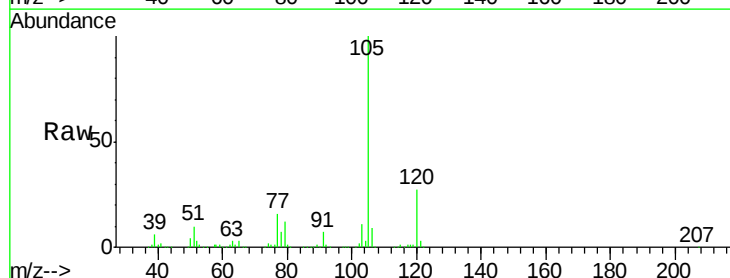
RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

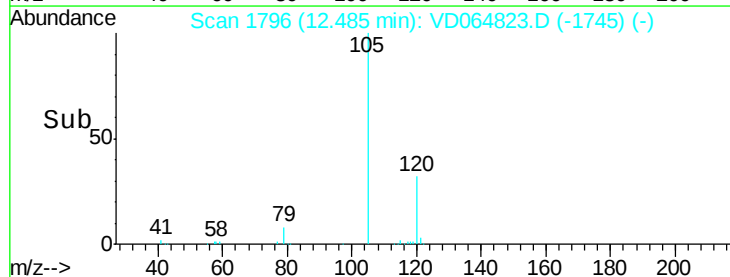
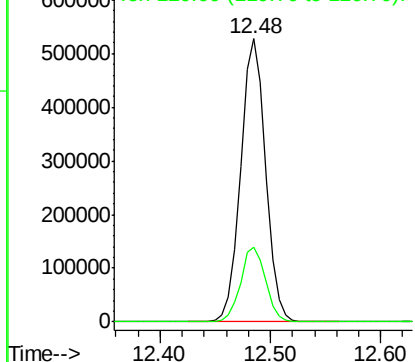
Lab File: VD064823.D

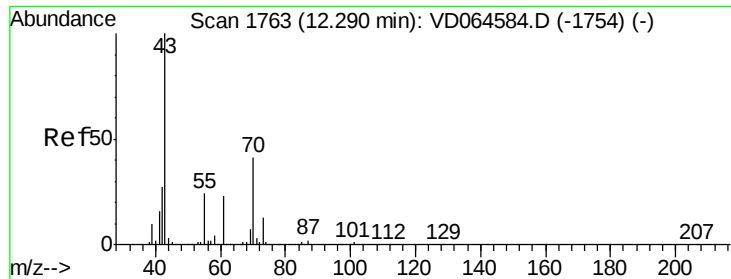
Acq: 09 Jan 2020 18:25

Tgt Ion:	105	Resp:	834592
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.5	40.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





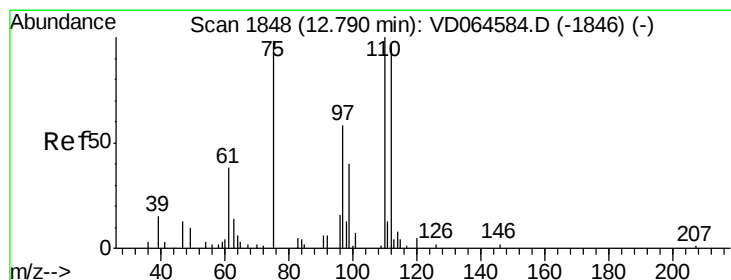
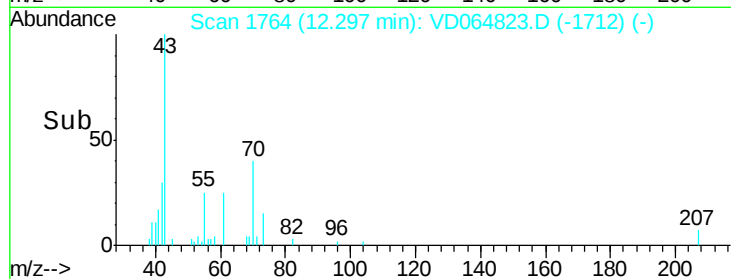
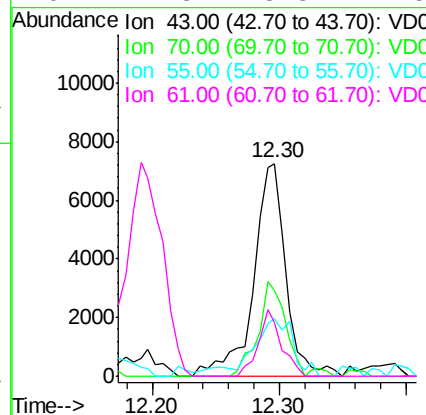
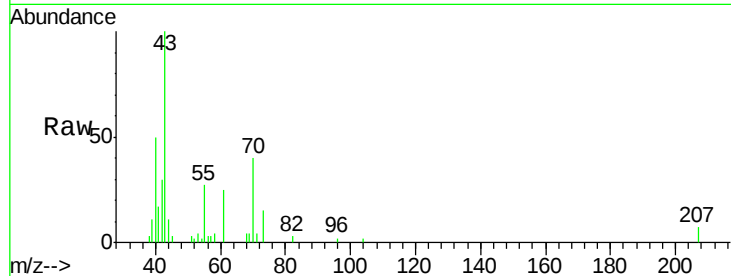
#74
N-amvl acetate
Concen: 1.610 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	37.8	33.4	50.0
55	31.4	19.4	29.0
61	22.3	18.3	27.5

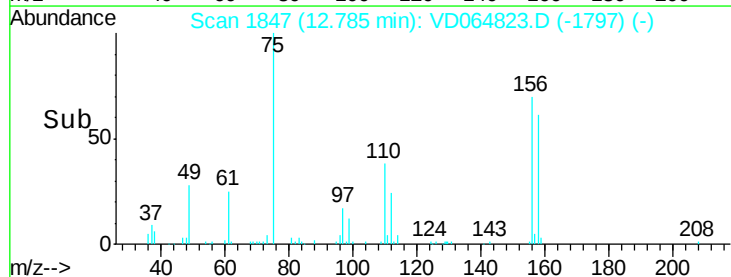
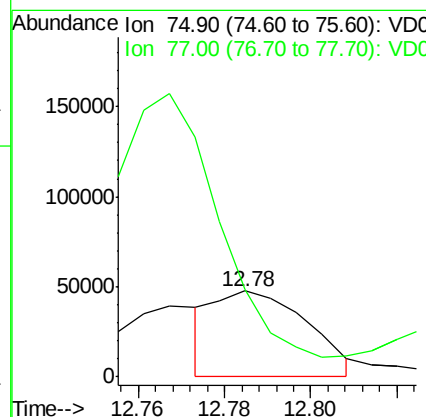
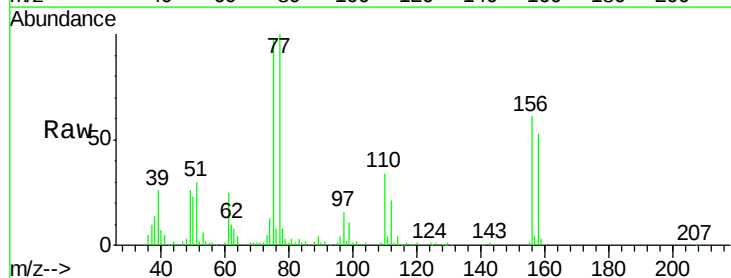
Manual Integrations
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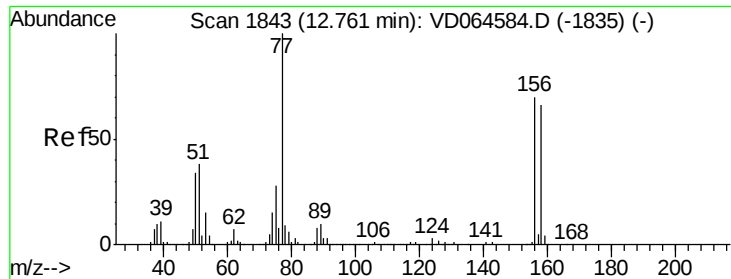
MMDadoda
1/10/2020 10:42:13 AM



#76
1,2,3-Trichloropropane
Concen: 17.266 ug/l m
RT: 12.78 min Scan# 1847
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	411.3	0.0	0.0





#77

Bromobenzene

Concen: 20.359 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

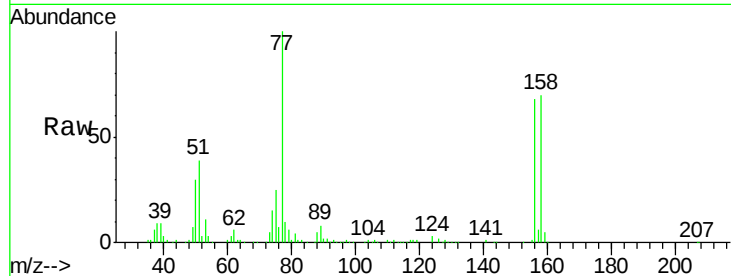
ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.9	80.9	242.7
158	96.7	48.0	144.2

Manual Integrations
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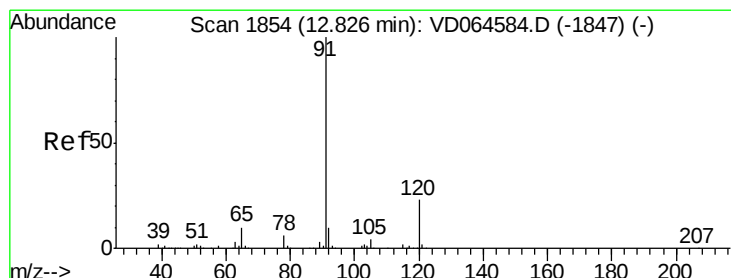
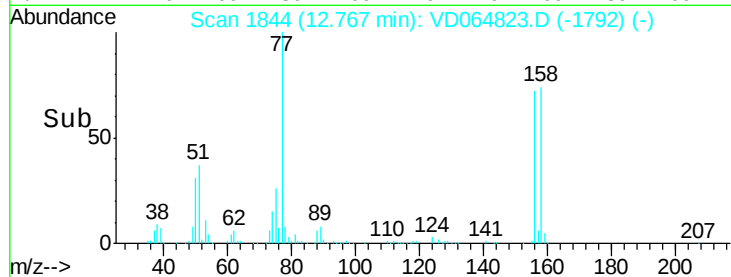
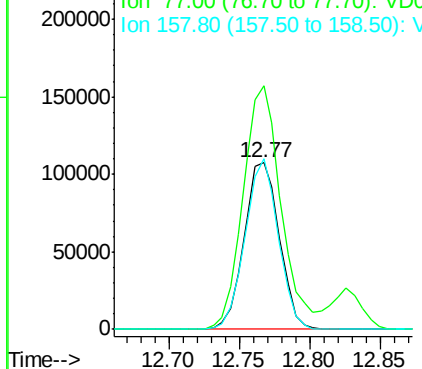
MMDadoda
1/10/2020 10:42:13 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.254 ug/l

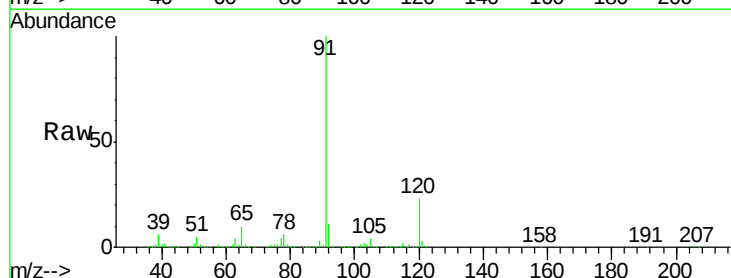
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064823.D

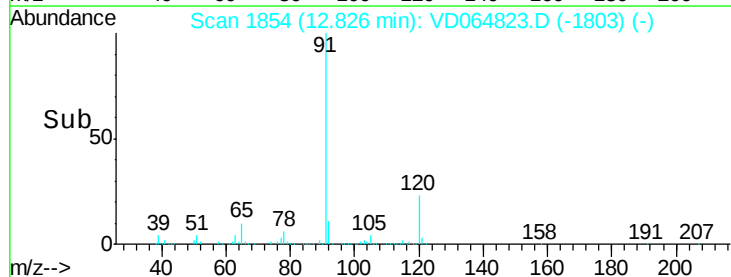
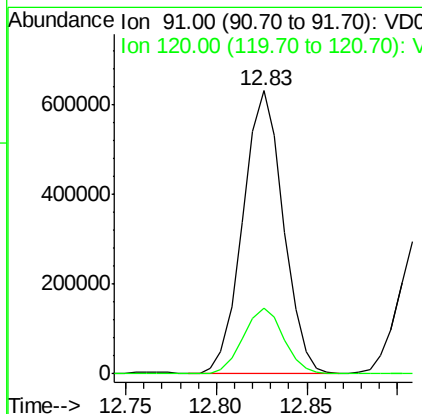
Acq: 09 Jan 2020 18:25

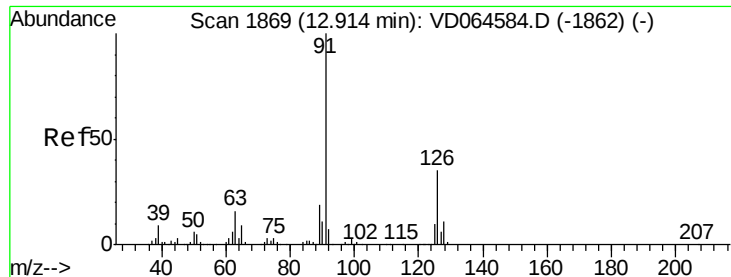
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





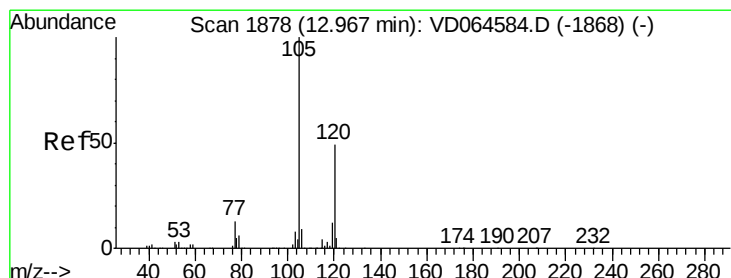
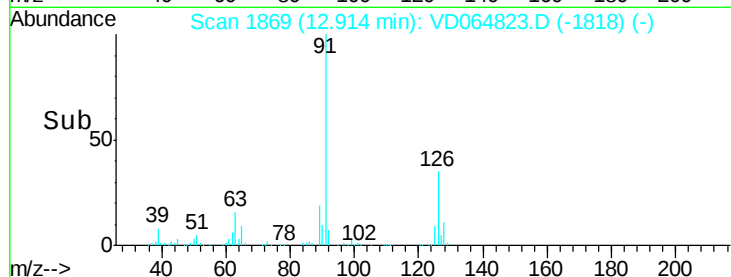
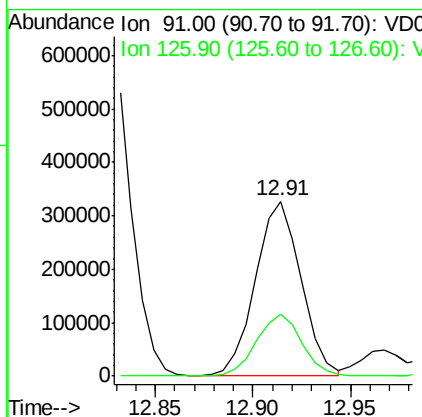
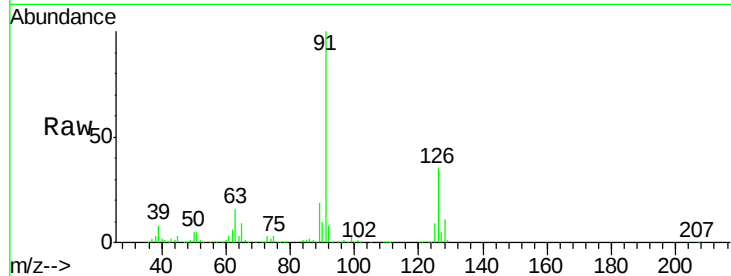
#79
2-Chlorotoluene
Concen: 21.912 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion: 91 Resp: 527273
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.5

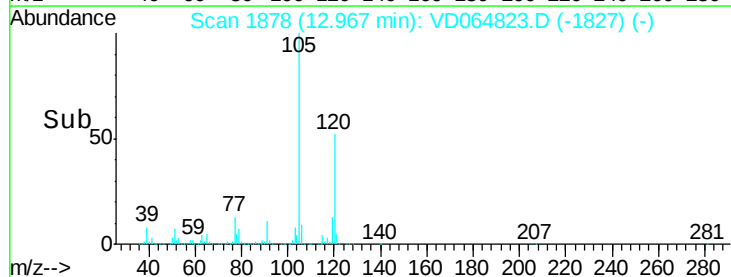
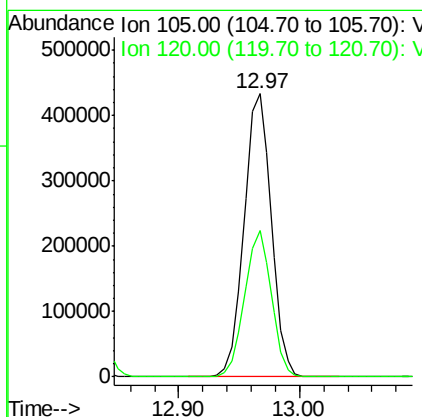
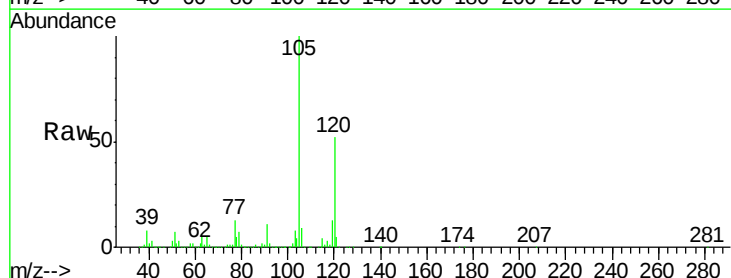
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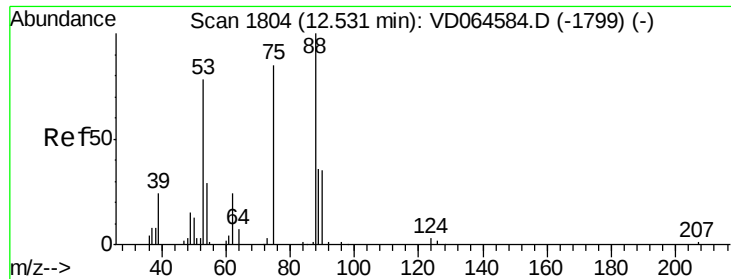
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#80
1,3,5-Trimethylbenzene
Concen: 22.166 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 105 Resp: 683691
Ion Ratio Lower Upper
105 100
120 50.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.653 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 75 Resp: 31052

Ion Ratio Lower Upper

75 100

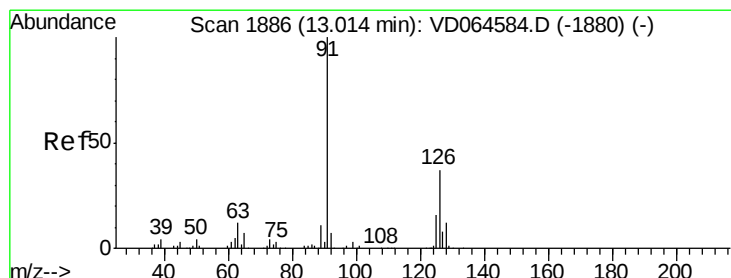
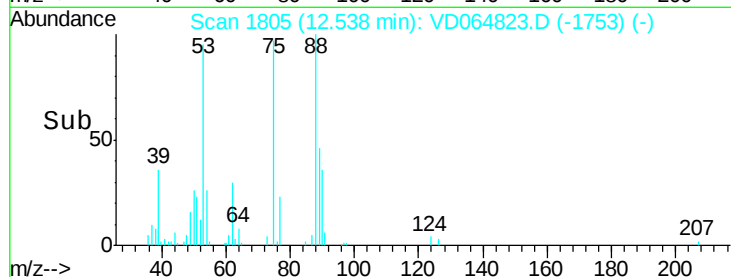
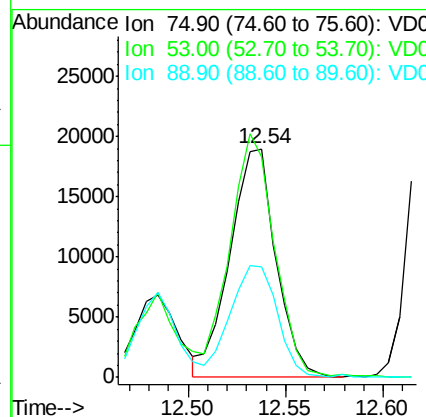
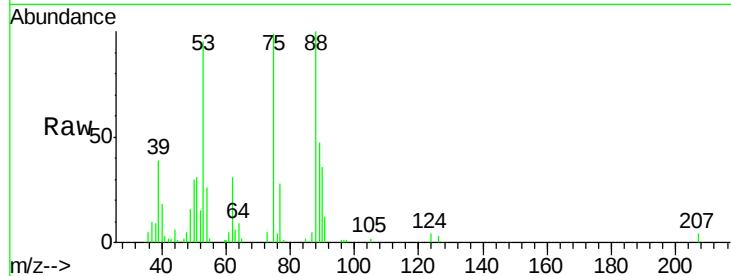
53 103.1 78.8 118.2

89 49.9 38.3 57.5

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#82

4-Chlorotoluene

Concen: 21.856 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064823.D

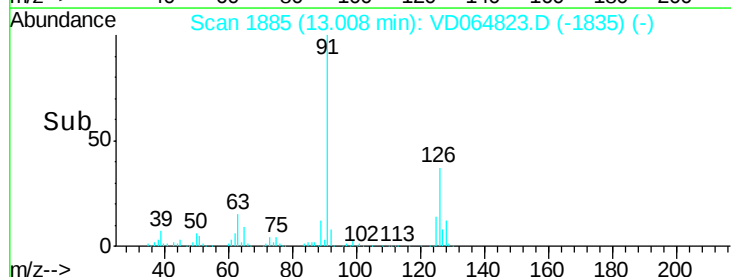
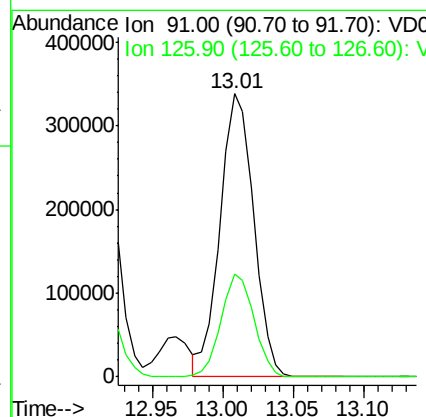
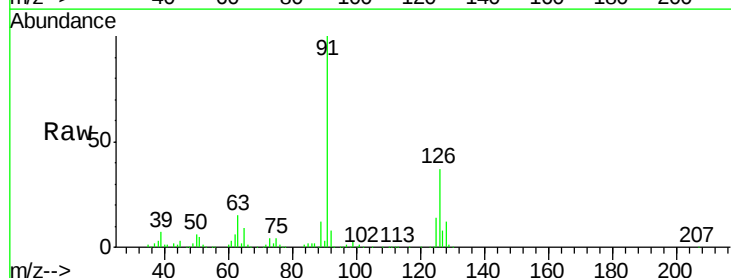
Acq: 09 Jan 2020 18:25

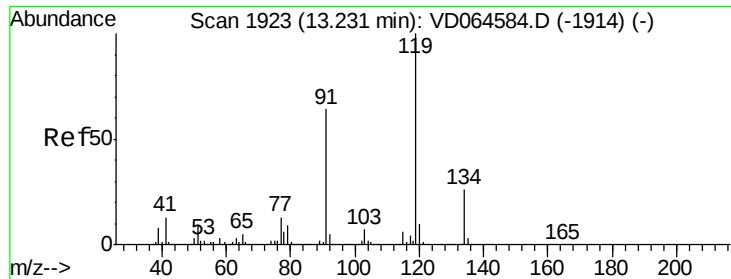
Tgt Ion: 91 Resp: 559680

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5





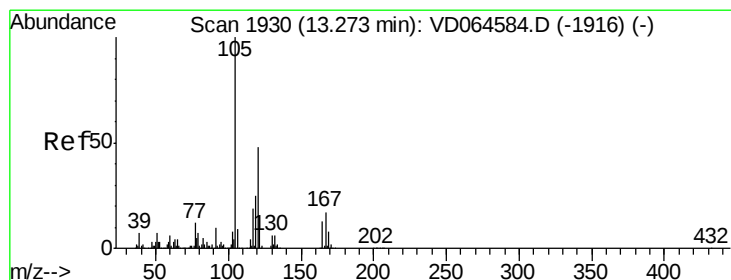
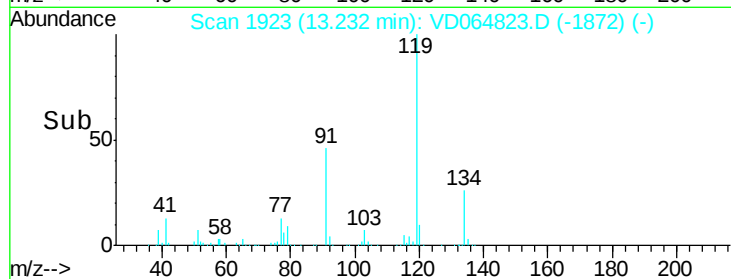
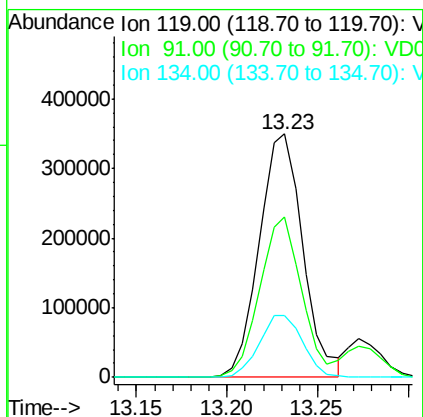
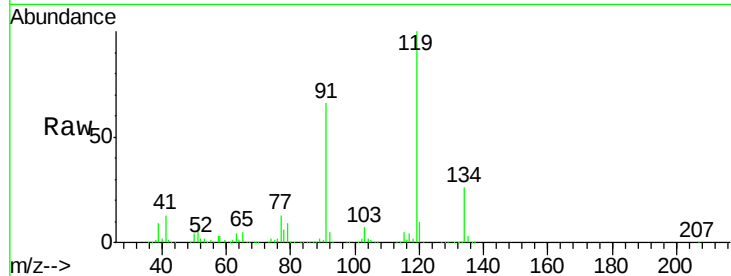
#83
tert-Butylbenzene
Concen: 21.856 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.8	92.4
134	25.4	12.8	38.3

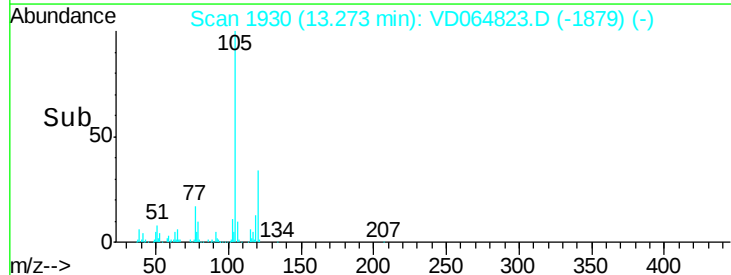
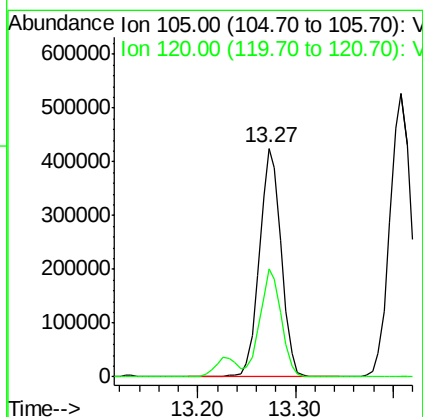
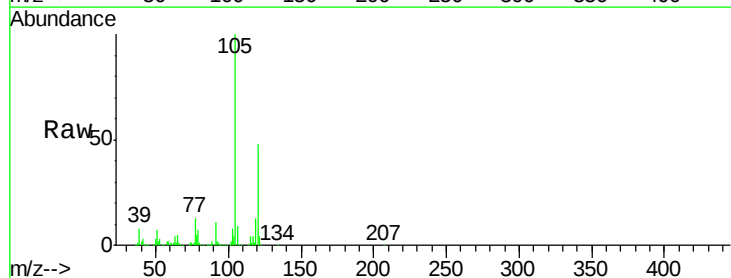
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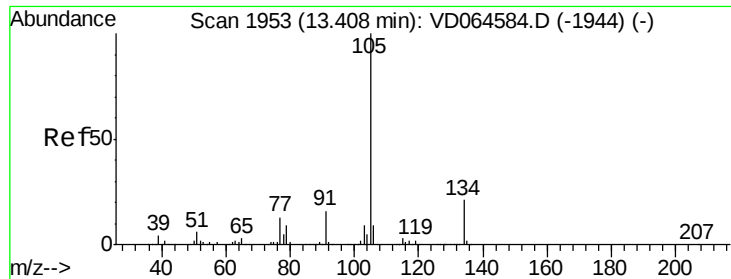
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.756 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.8	71.2





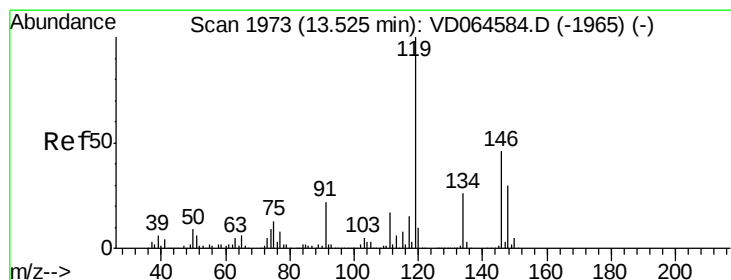
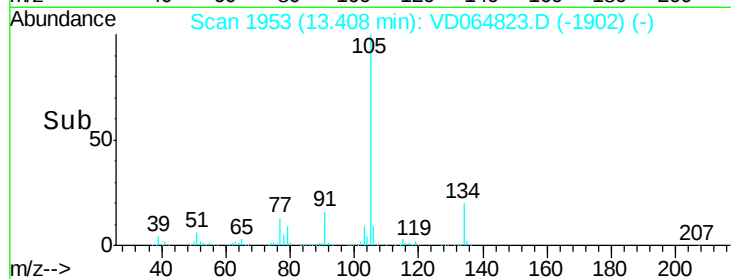
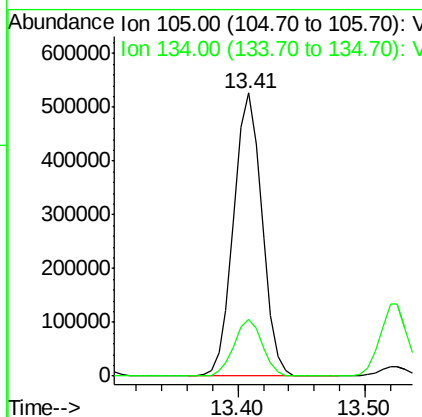
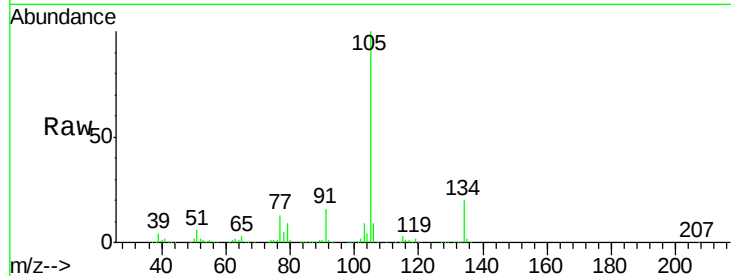
#85
 sec-Butylbenzene
 Concen: 22.161 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.6	31.8

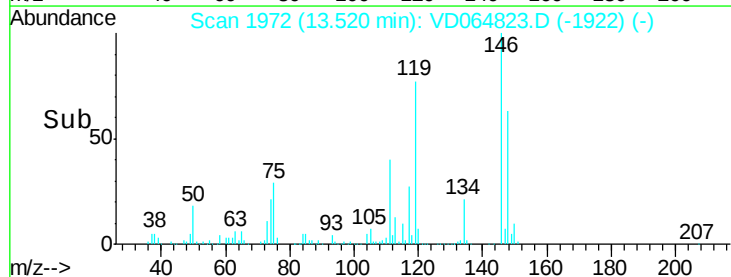
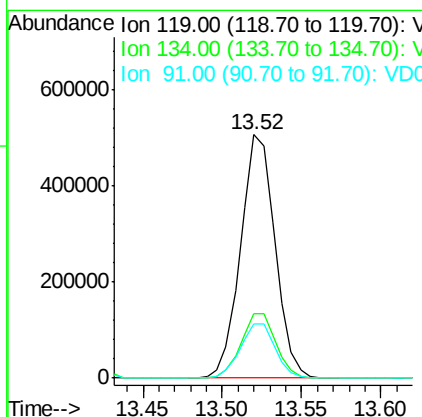
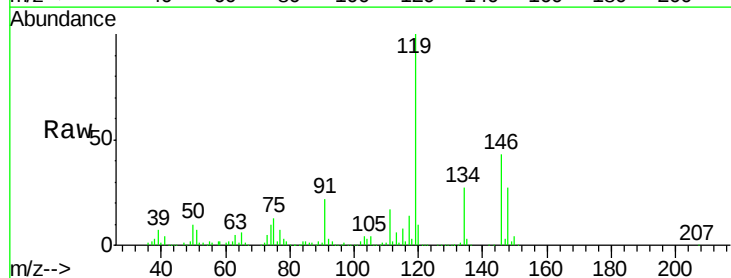
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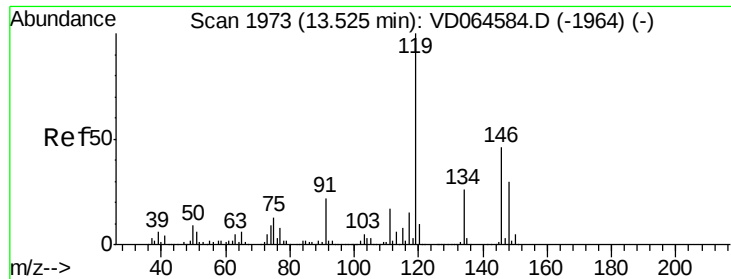
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#86
 p-Isopropyltoluene
 Concen: 21.761 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	22.9	11.2	33.6





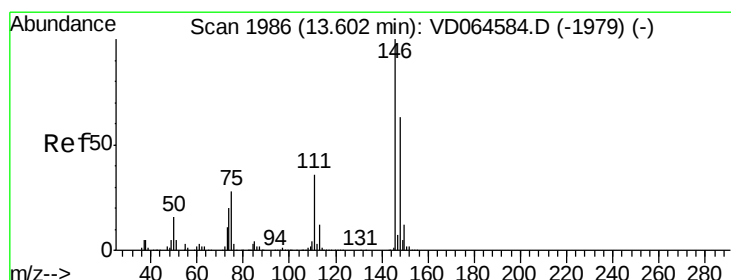
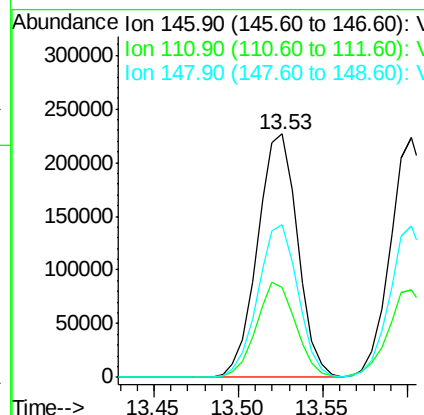
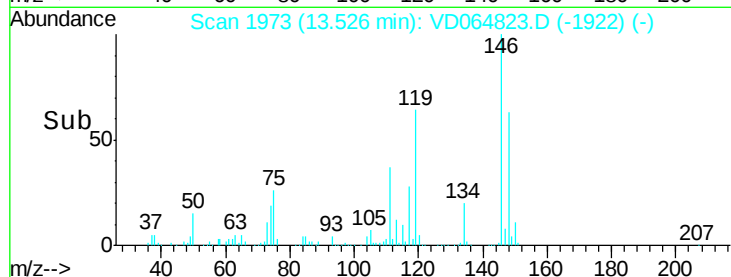
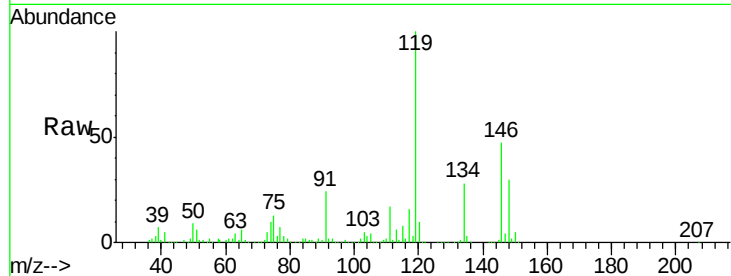
#87
 1,3-Dichlorobenzene
 Concen: 21.299 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.4
148	63.2	32.5	97.5

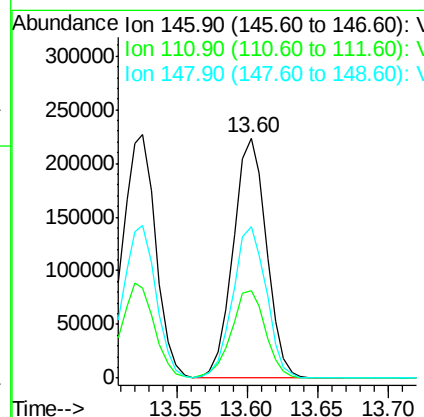
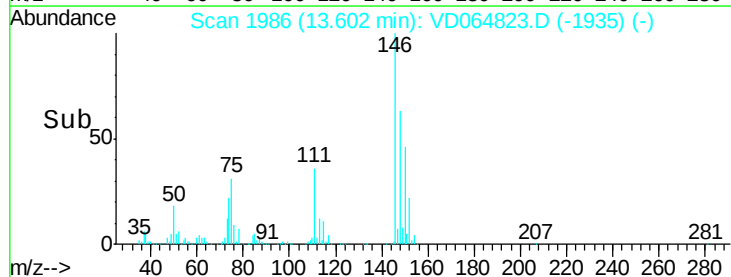
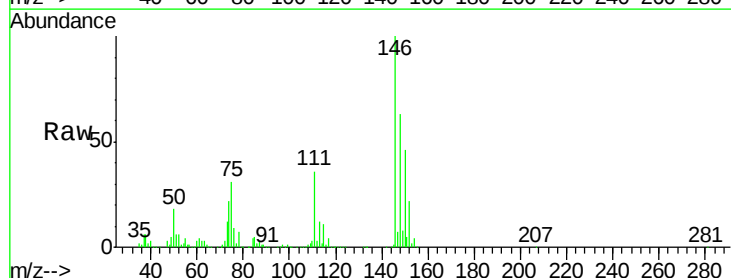
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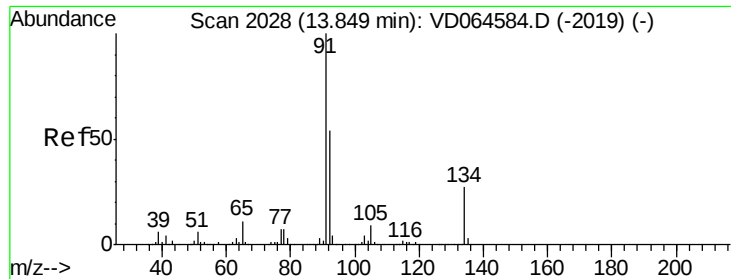
MMDadoda
 1/10/2020 10:42:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.178 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	63.8	32.3	96.9





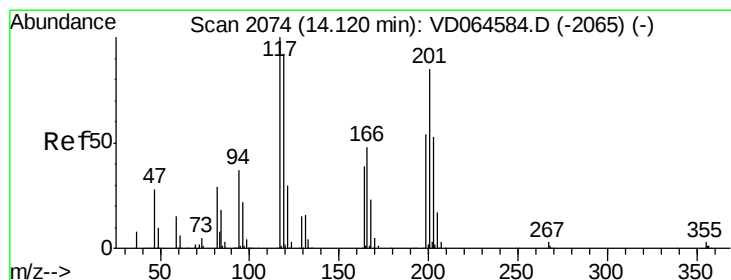
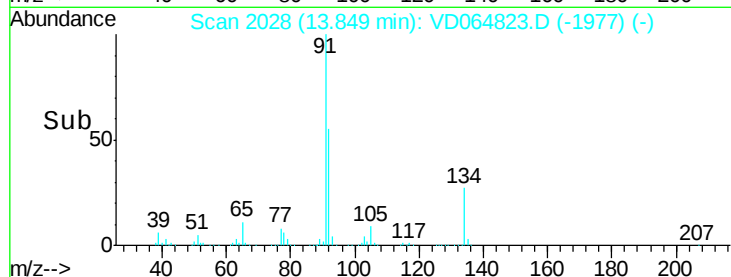
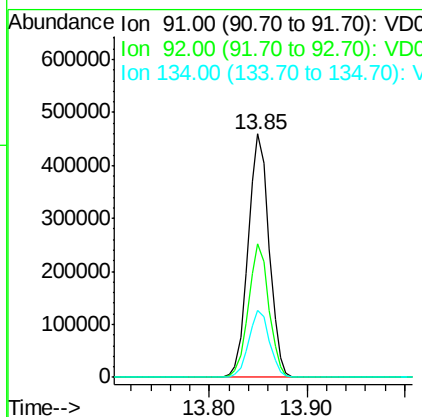
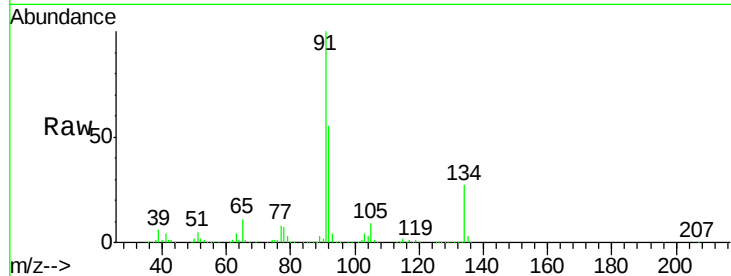
#89
n-Butylbenzene
Concen: 21.606 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.4
134	27.1	14.0	41.9

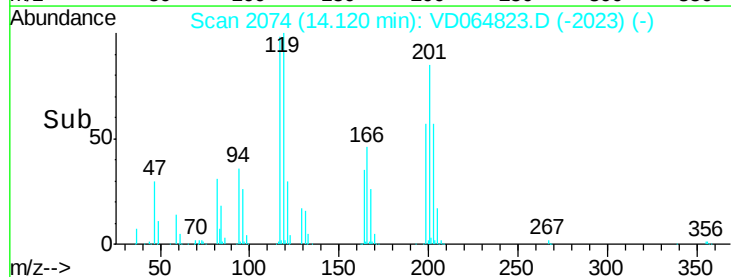
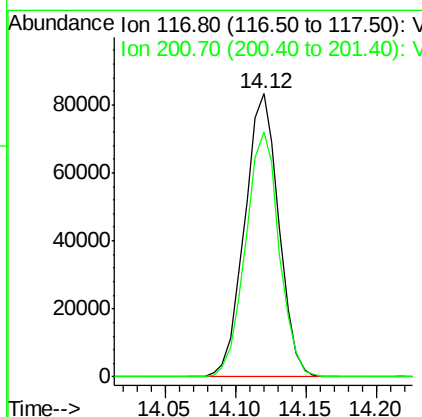
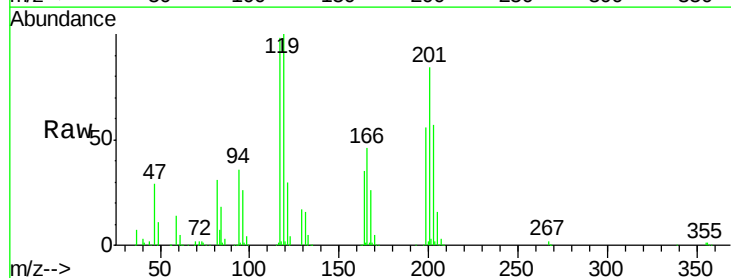
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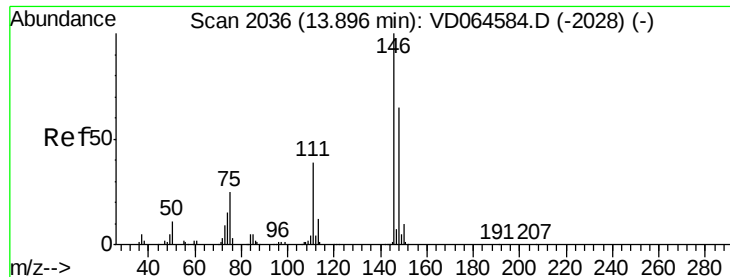
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#90
Hexachloroethane
Concen: 21.041 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	44.0	131.8





#91

1,2-Dichlorobenzene

Concen: 20.140 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

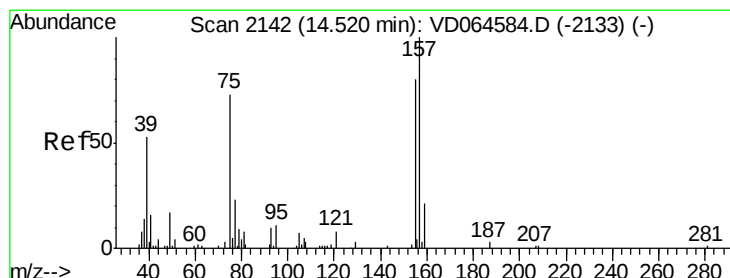
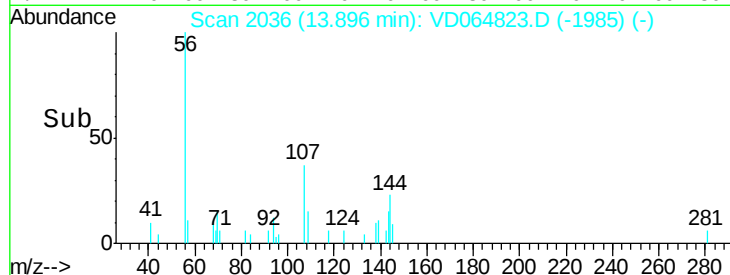
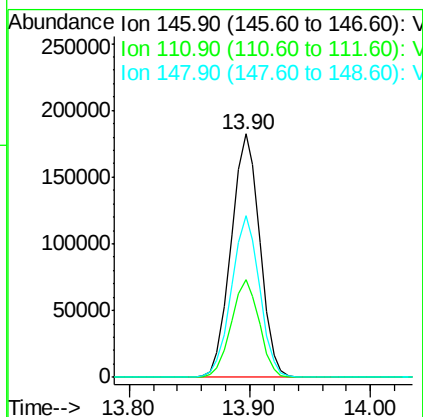
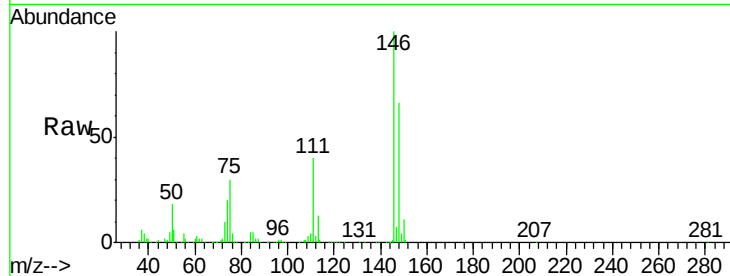
ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:	146	Resp:	302046
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.3	57.9
148	65.0	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 14.091 ug/l

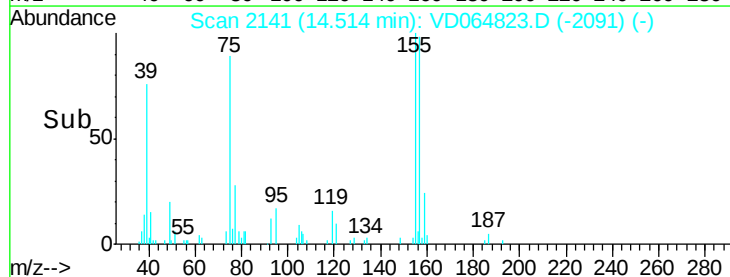
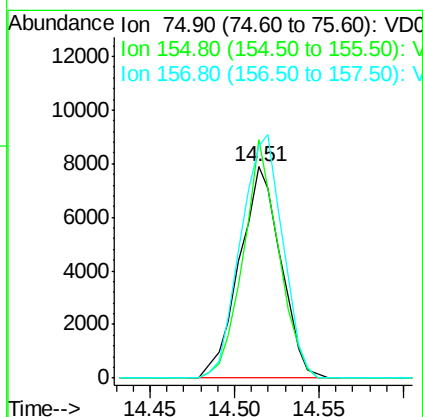
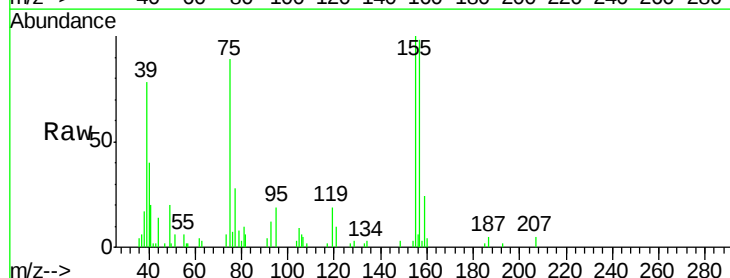
RT: 14.51 min Scan# 2141

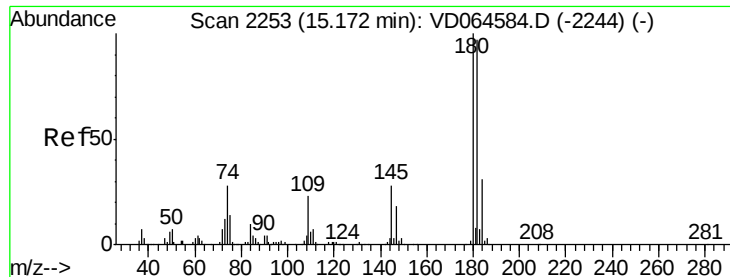
Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion:	75	Resp:	13474
Ion Ratio	Lower	Upper	
75	100		
155	96.3	48.0	144.0
157	116.4	64.1	192.3





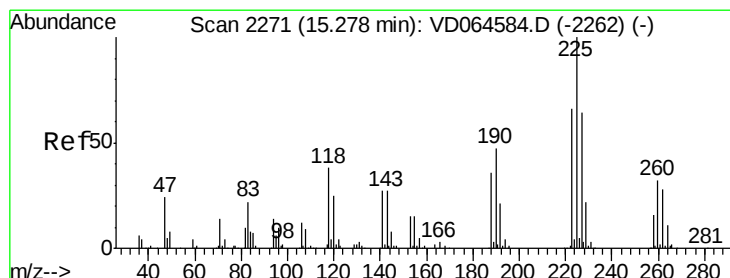
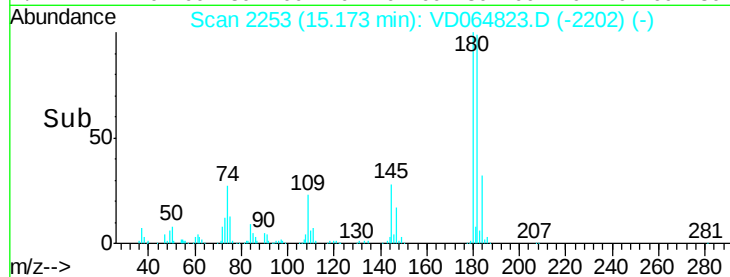
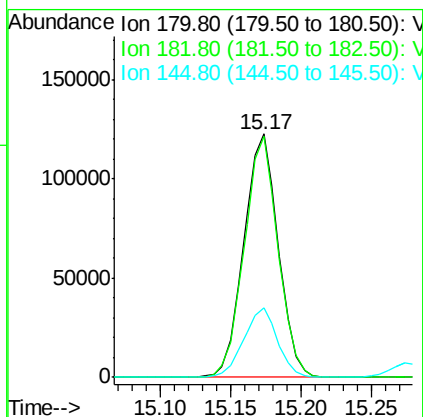
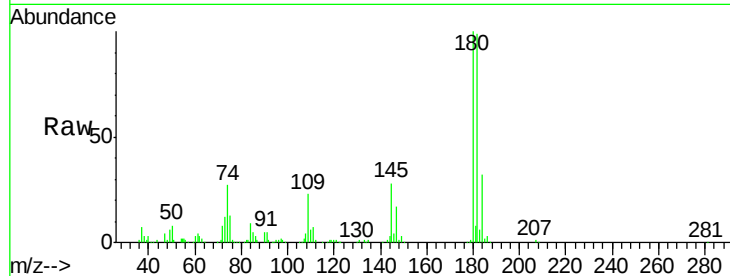
#93
1,2,4-Trichlorobenzene
Concen: 18.905 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	208763		
182	97.2	48.0	144.2	
145	28.2	13.8	41.4	

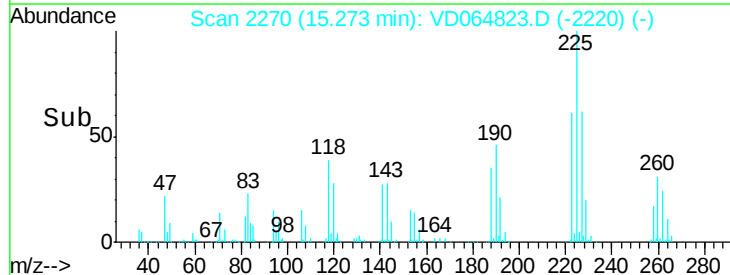
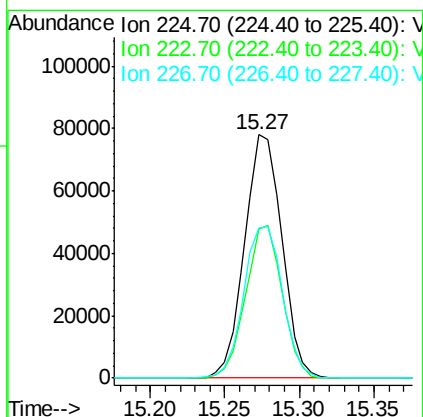
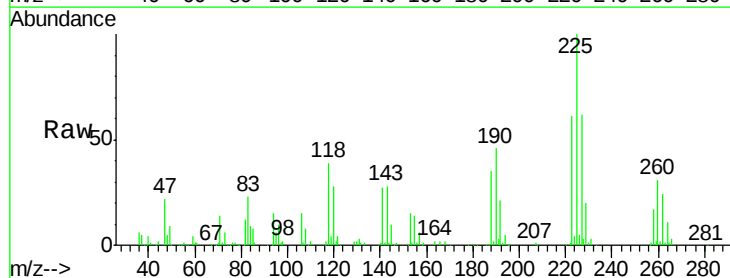
Manual Integrations
APPROVED

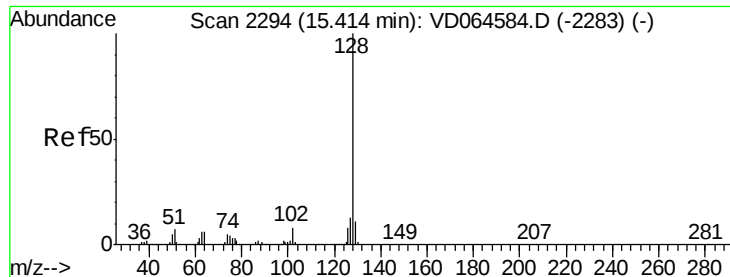
MMDadoda
1/10/2020 10:42:13 AM



#94
Hexachlorobutadiene
Concen: 19.454 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135186		
223	61.6	31.1	93.2	
227	64.5	30.9	92.7	





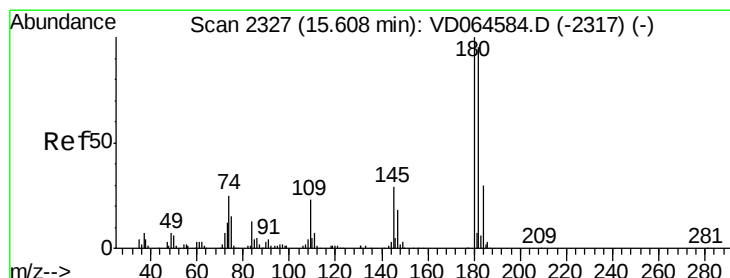
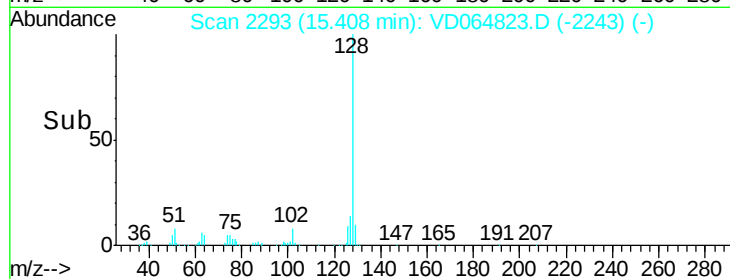
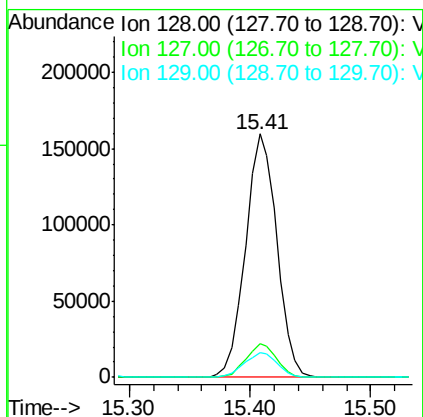
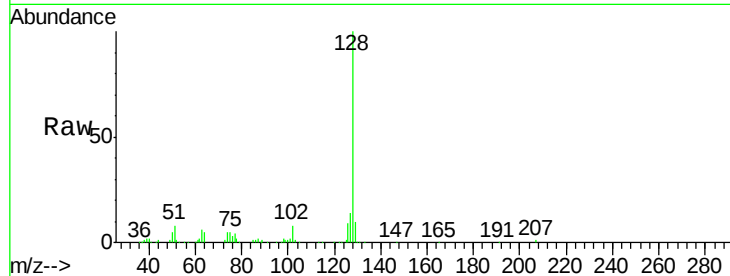
#95
Naphthalene
Concen: 16.591 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	289830		
127	13.5		10.3	15.5
129	10.6		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:42:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.061 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	170261		
182	96.8		47.9	143.7
145	31.1		14.9	44.7

