

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082218\
 Data File : VD059871.D
 Acq On : 22 Aug 2018 12:15
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 8/23/2018 10:52:29 AM

Quant Time: Aug 23 01:23:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 15:28:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1355554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1929237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1602161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	790205	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	62101	5.77	ug/l	0.00
Spiked Amount			Recovery	=	11.54%	
35) Dibromofluoromethane	6.34	113	78958	5.47	ug/l	0.00
Spiked Amount			Recovery	=	10.94%	
50) Toluene-d8	9.47	98	219678	5.62	ug/l	0.00
Spiked Amount			Recovery	=	11.24%	
62) 4-Bromofluorobenzene	12.44	95	92136	5.96	ug/l	0.00
Spiked Amount			Recovery	=	11.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	74936	6.39	ug/l	94
3) Chloromethane	1.76	50	63212	6.02	ug/l	97
4) Vinyl Chloride	1.85	62	47792	5.78	ug/l	99
5) Bromomethane	2.14	94	8656	8.63	ug/l	87
6) Chloroethane	2.25	64	14444	6.94	ug/l	93
7) Trichlorofluoromethane	2.51	101	56402	6.35	ug/l	96
8) Diethyl Ether	2.82	74	12380	6.12	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.09	101	33580	5.95	ug/l	95
10) Methyl Iodide	3.25	142	22044	4.07	ug/l	97
11) Tert butyl alcohol	3.97	59	21618	30.78	ug/l #	24
12) 1,1-Dichloroethene	3.08	96	26509	6.24	ug/l	92
13) Acrolein	2.98	56	10030	28.08	ug/l #	62
14) Allyl chloride	3.54	41	56342	5.40	ug/l	96
15) Acrylonitrile	4.08	53	79808	28.78	ug/l	99
16) Acetone	3.16	43	48626	25.65	ug/l	95
17) Carbon Disulfide	3.32	76	85017	6.19	ug/l	98
18) Methyl Acetate	3.56	43	27193	6.51	ug/l #	93
19) Methyl tert-butyl Ether	4.12	73	135209	5.29	ug/l	94
20) Methylene Chloride	3.72	84	120475	9.09	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	72702	6.15	ug/l	94
22) Diisopropyl ether	4.86	45	282183	5.30	ug/l	98
23) Vinyl Acetate	4.81	43	727313	24.85	ug/l	99
24) 1,1-Dichloroethane	4.76	63	123866	5.33	ug/l	99
25) 2-Butanone	5.64	43	141099	24.89	ug/l	99
26) 2,2-Dichloropropane	5.60	77	122369	6.54	ug/l	94
27) cis-1,2-Dichloroethene	5.61	96	76208	5.50	ug/l	98
28) Bromochloromethane	5.93	49	61381	5.46	ug/l	97
29) Tetrahydrofuran	5.96	42	72136	25.25	ug/l #	93
30) Chloroform	6.11	83	127109	5.38	ug/l	95
31) Cyclohexane	6.38	56	133257	6.28	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	108900	5.46	ug/l	97
36) 1,1-Dichloropropene	6.53	75	94949	5.73	ug/l	98
37) Ethyl Acetate	5.71	43	71510	5.44	ug/l	99
38) Carbon Tetrachloride	6.51	117	97763	5.80	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	97542	5.29	ug/l	97
40) Benzene	6.81	78	233356	5.37	ug/l	99
41) Methacrylonitrile	5.93	41	34548m	3.21	ug/l	
42) 1,2-Dichloroethane	6.91	62	70683	4.95	ug/l	95
43) Isopropyl Acetate	8.35	43	79655	4.60	ug/l #	99
44) Trichloroethene	7.75	130	67821	5.28	ug/l	95
45) 1,2-Dichloropropane	8.12	63	63357	5.06	ug/l	98
46) Dibromomethane	8.23	93	39308	4.94	ug/l	97
47) Bromodichloromethane	8.50	83	91167	5.11	ug/l	99
48) Methyl methacrylate	8.26	41	51083	5.22	ug/l	98
49) 1,4-Dioxane	8.25	88	8037	91.66	ug/l #	42
51) 4-Methyl-2-Pentanone	9.36	43	277443	23.43	ug/l	98
52) Toluene	9.56	92	147905	5.36	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	81494	4.95	ug/l #	85
54) cis-1,3-Dichloropropene	9.11	75	96241	4.99	ug/l	96
55) 1,1,2-Trichloroethane	10.19	97	62862	6.18	ug/l #	83
56) Ethyl methacrylate	10.05	69	57654	4.82	ug/l	100
57) 1,3-Dichloropropane	10.39	76	73490	4.96	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.93	63	148474	26.90	ug/l	96
59) 2-Hexanone	10.50	43	201822	23.32	ug/l	98
60) Dibromochloromethane	10.65	129	63457	4.87	ug/l	100
61) 1,2-Dibromoethane	10.76	107	50037	4.73	ug/l	95
64) Tetrachloroethene	10.26	164	65394	5.45	ug/l	95
65) Chlorobenzene	11.33	112	161487	5.24	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	58934	5.37	ug/l	96
67) Ethyl Benzene	11.43	91	283908	5.70	ug/l	99
68) m/p-Xylenes	11.57	106	212286	11.82	ug/l	91
69) o-Xylene	11.95	106	100547	5.70	ug/l	98
70) Styrene	11.97	104	167883	5.45	ug/l	98
71) Bromoform	12.12	173	46175	4.72	ug/l	99
73) Isopropylbenzene	12.28	105	269071	5.29	ug/l	100
74) N-amyl acetate	12.14	43	112550	4.88	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	62030	5.13	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	62691	4.98	ug/l	100
77) Bromobenzene	12.55	156	72618	5.11	ug/l	97
78) n-propylbenzene	12.64	91	358753	5.68	ug/l	99
79) 2-Chlorotoluene	12.71	91	193350	5.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	218401	5.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	18528	4.71	ug/l	96
82) 4-Chlorotoluene	12.81	91	232498	6.11	ug/l	84
83) tert-Butylbenzene	13.06	119	236783	5.38	ug/l	100
84) 1,2,4-Trimethylbenzene	13.10	105	229351	5.51	ug/l	99
85) sec-Butylbenzene	13.22	105	292431	5.49	ug/l	99
86) p-Isopropyltoluene	13.35	119	240854	5.60	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	133279	5.37	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	134586	5.50	ug/l	97
89) n-Butylbenzene	13.66	91	254778	6.14	ug/l	97
90) Hexachloroethane	13.86	117	60267	5.05	ug/l	95
91) 1,2-Dichlorobenzene	13.67	146	116044	5.89	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	9091	4.88	ug/l	89

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
VSTDICC005

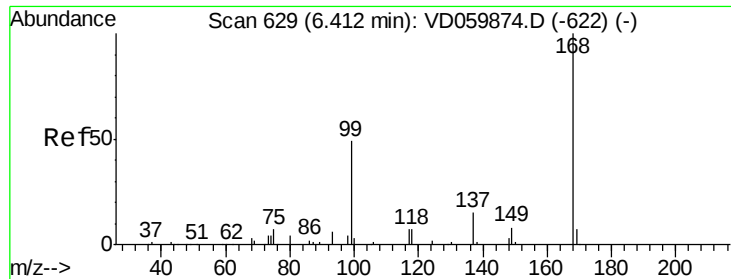
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	93652	5.34	ug/l	97
94) Hexachlorobutadiene	14.89	225	58218	4.90	ug/l	99
95) Naphthalene	14.98	128	134803	4.72	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	76382	4.96	ug/l	97

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



#1

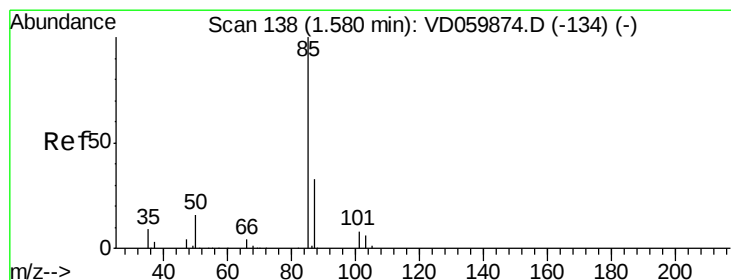
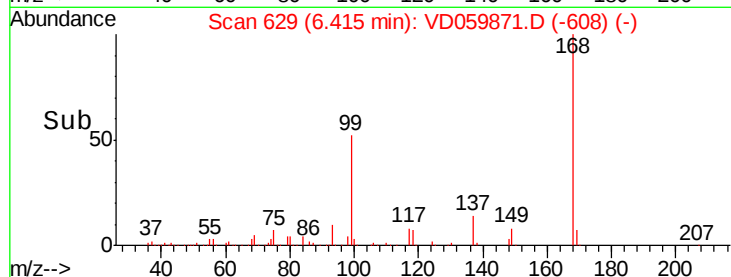
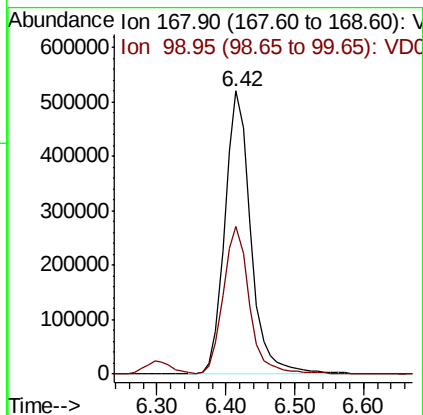
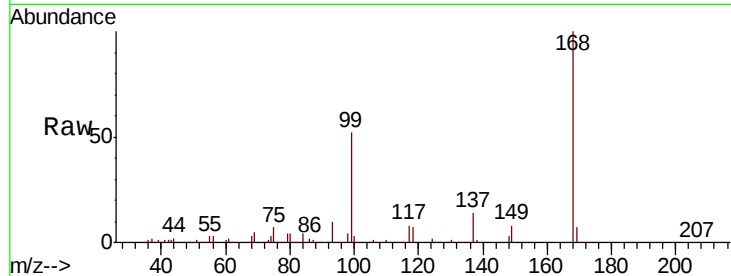
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.42 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:168 Resp: 135554
 Ion Ratio Lower Upper
 168 100
 99 52.0 42.2 63.2

Manual Integrations
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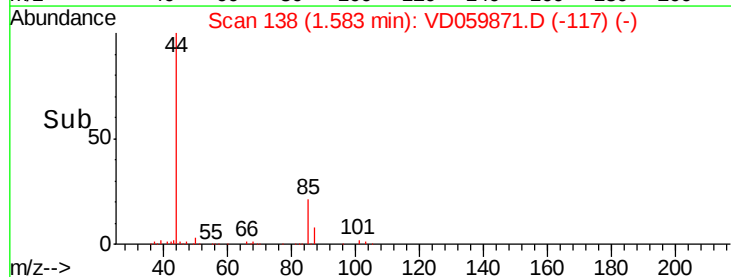
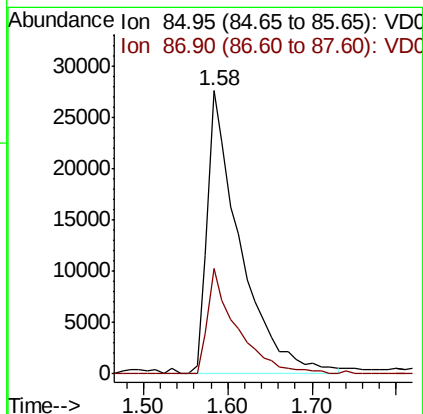
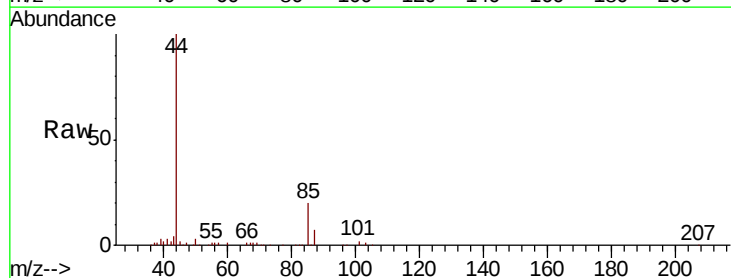
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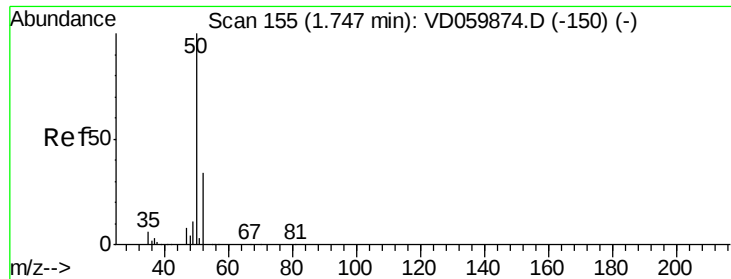


#2

Dichlorodifluoromethane
 Concen: 6.39 ug/l
 RT: 1.58 min Scan# 138
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 85 Resp: 74936
 Ion Ratio Lower Upper
 85 100
 87 37.2 16.8 50.3





#3

Chloromethane

Concen: 6.02 ug/l

RT: 1.76 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 63212

Ion Ratio Lower Upper

50 100

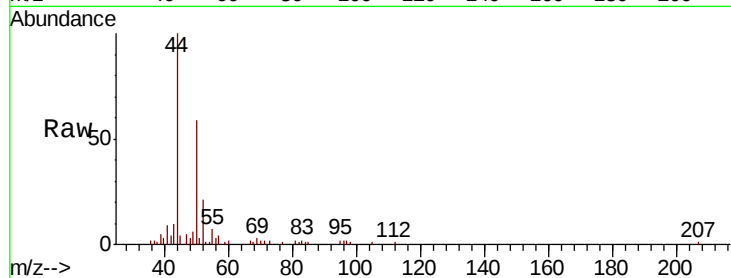
52 35.7 27.0 40.6

Manual Integrations

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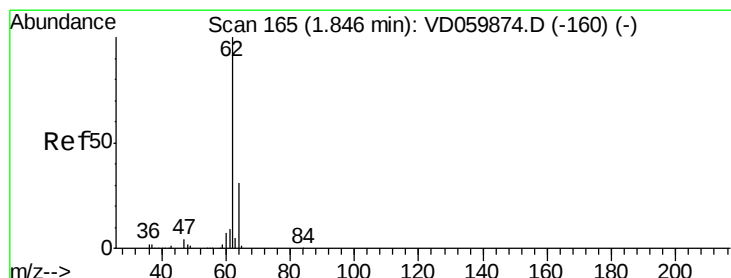
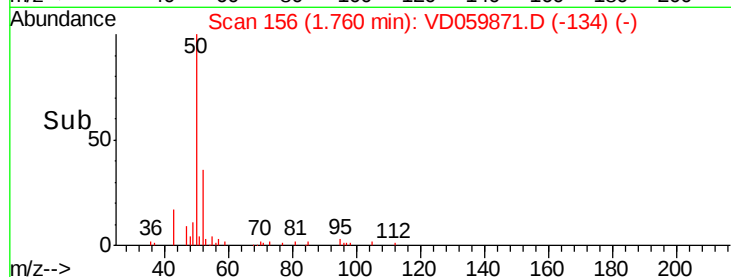
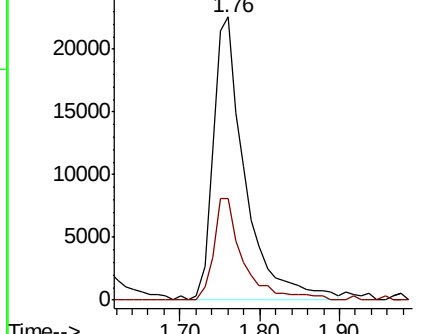
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.78 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD059871.D

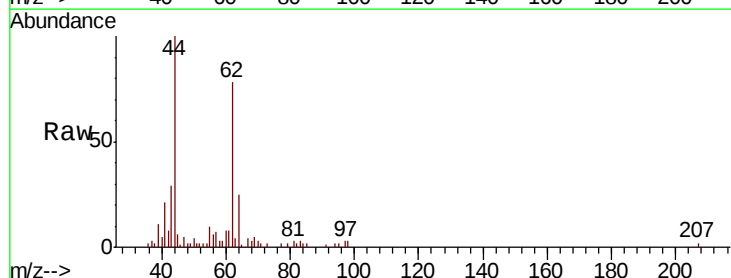
Acq: 22 Aug 2018 12:15

Tgt Ion: 62 Resp: 47792

Ion Ratio Lower Upper

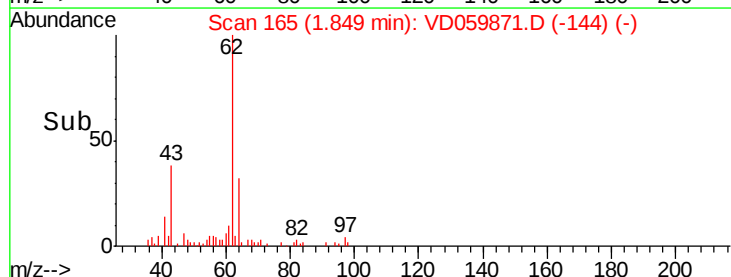
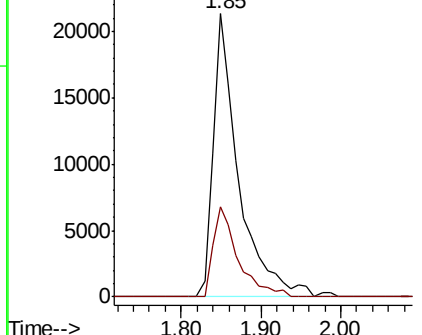
62 100

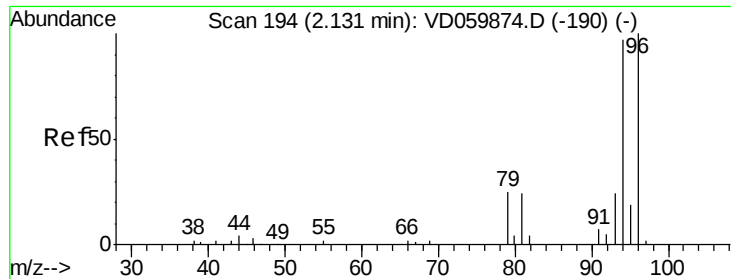
64 31.9 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.63 ug/l

RT: 2.14 min Scan# 195

Delta R.T. 0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8656

Ion Ratio Lower Upper

94 100

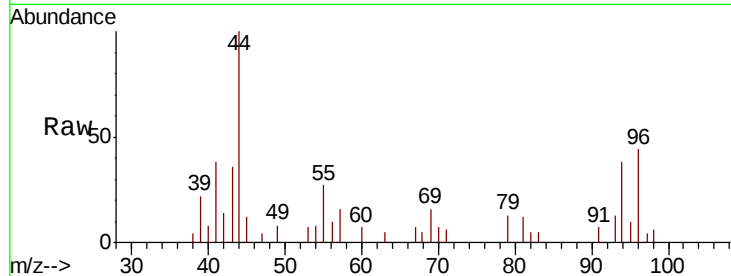
96 116.6 82.4 123.6

Manual Integrations

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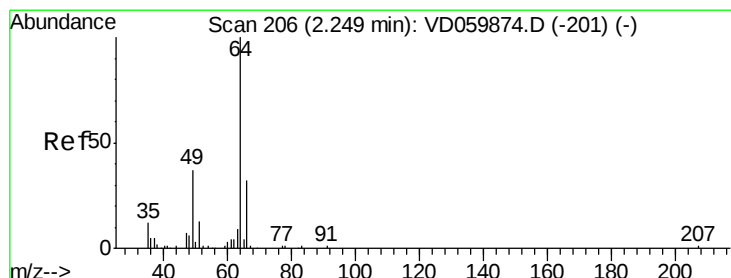
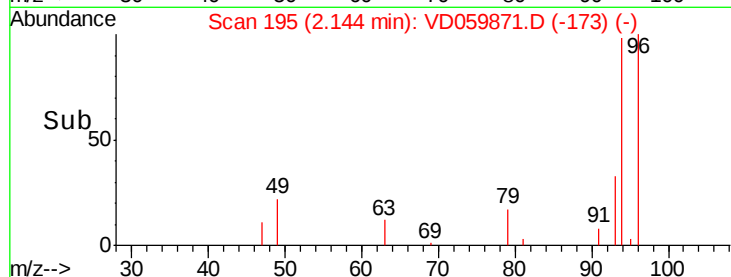
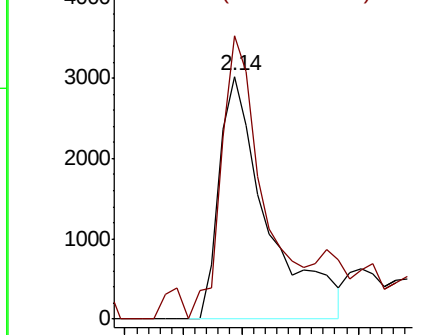
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 6.94 ug/l

RT: 2.25 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD059871.D

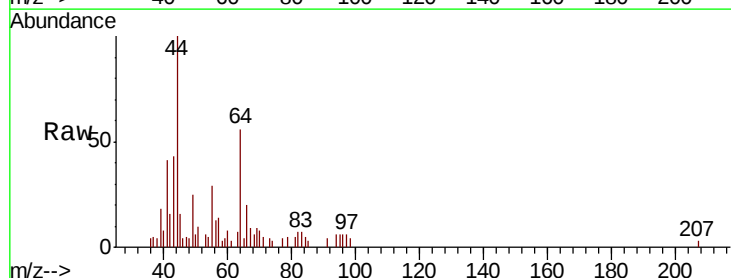
Acq: 22 Aug 2018 12:15

Tgt Ion: 64 Resp: 14444

Ion Ratio Lower Upper

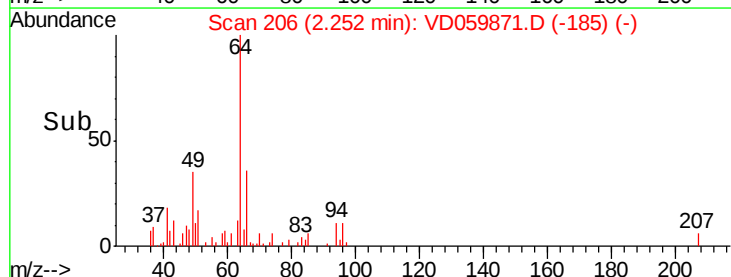
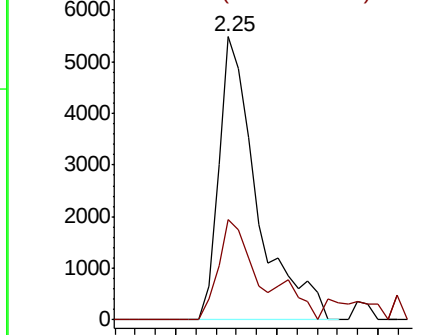
64 100

66 35.6 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

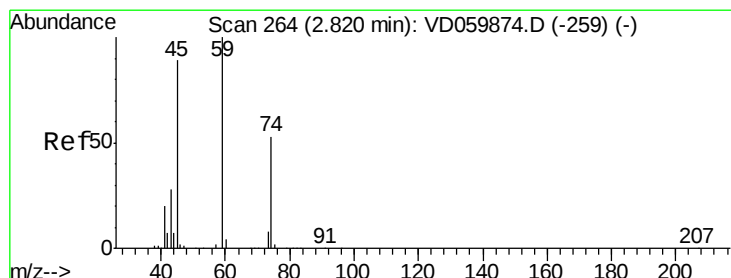
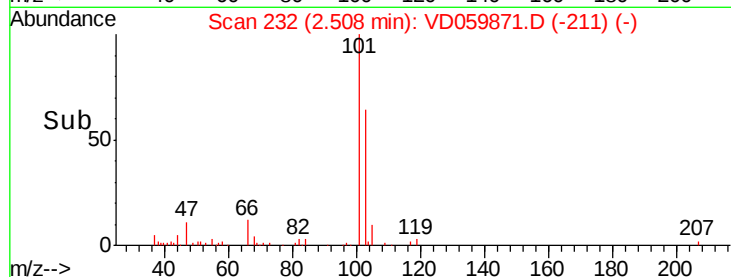
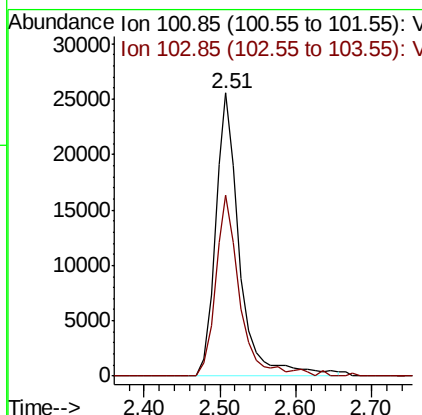
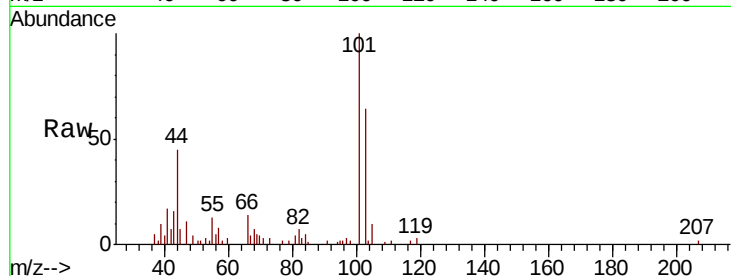
Trichlorofluoromethane
Concen: 6.35 ug/l
RT: 2.51 min Scan# 232
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	53.7	80.5

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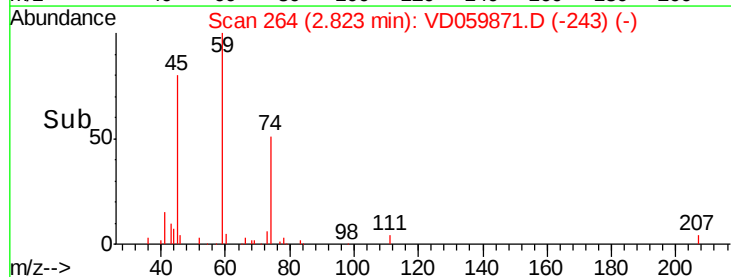
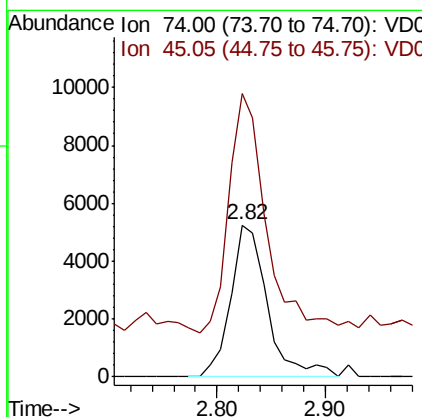
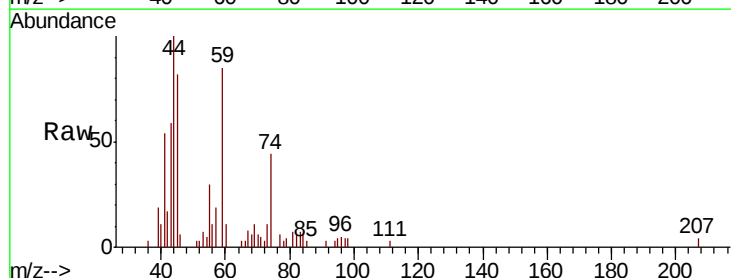
apatel
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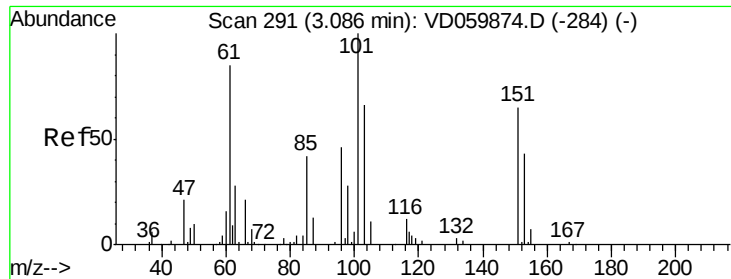


#8

Diethyl Ether
Concen: 6.12 ug/l
RT: 2.82 min Scan# 264
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	186.4	85.7	257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.95 ug/l

RT: 3.09 min Scan# 291

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

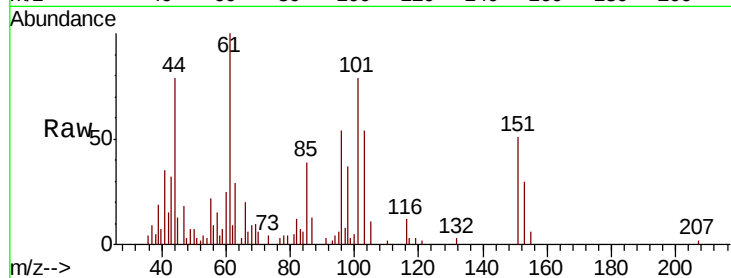
ClientSampleId :

VSTDIC005

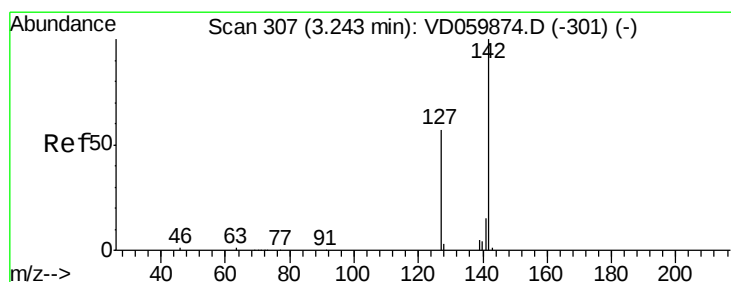
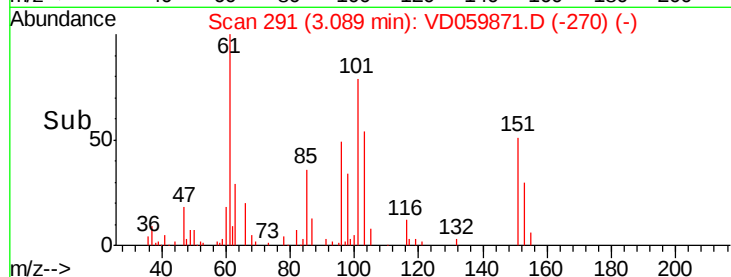
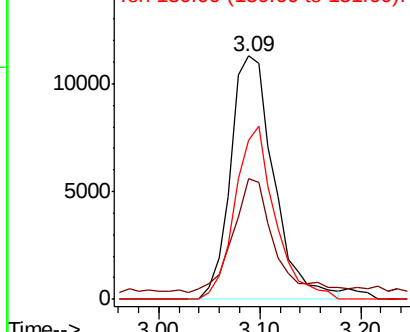
Tot Ion:	101	Resp:	33580
Ion Ratio	Lower	Upper	
101	100		
85	49.5	33.6	50.4
151	65.3	52.0	78.0

Manual Integrations
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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 4.07 ug/l

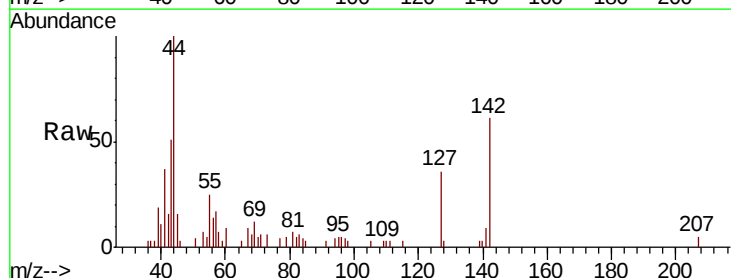
RT: 3.25 min Scan# 307

Delta R.T. 0.00 min

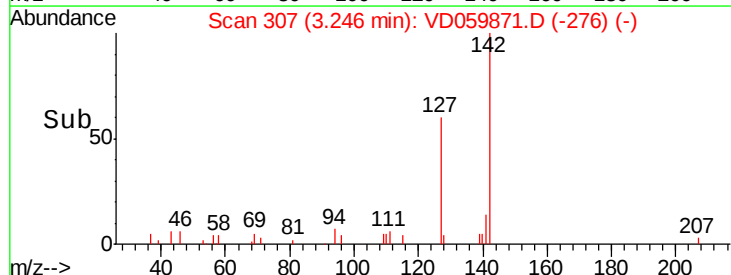
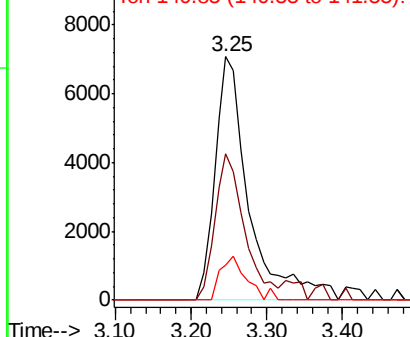
Lab File: VD059871.D

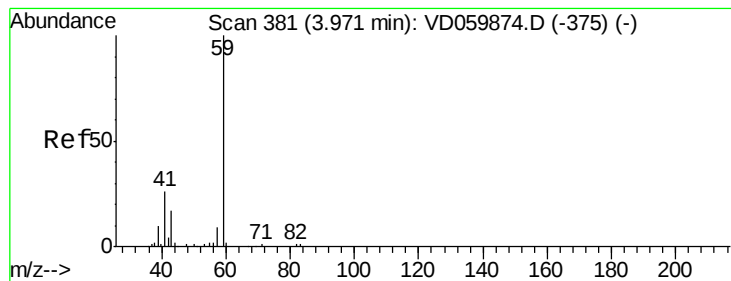
Acq: 22 Aug 2018 12:15

Tgt Ion:	142	Resp:	22044
Ion Ratio	Lower	Upper	
142	100		
127	59.9	45.8	68.6
141	14.2	11.6	17.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

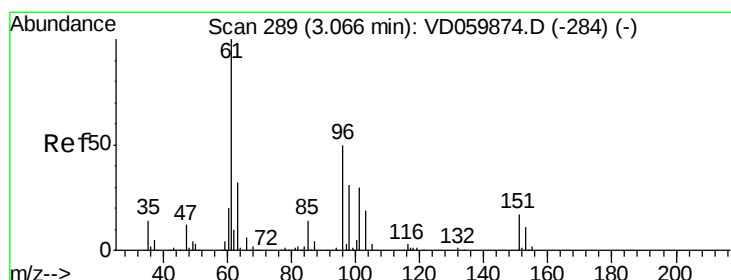
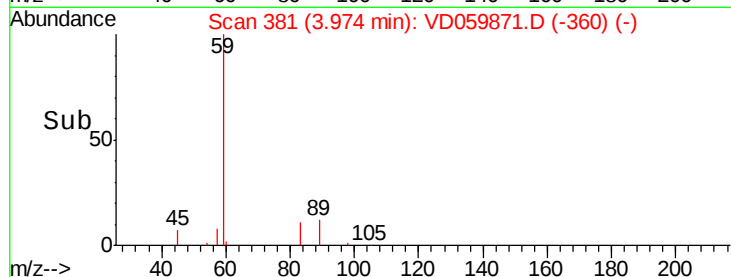
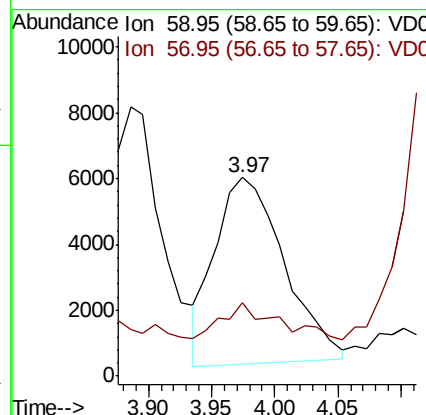
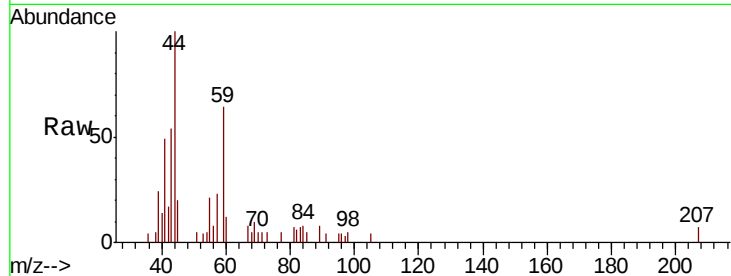
Tert butyl alcohol
 Concen: 30.78 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion: 59 Resp: 21618
 Ion Ratio Lower Upper
 59 100
 57 36.7 7.4 11.0#

Manual Integrations
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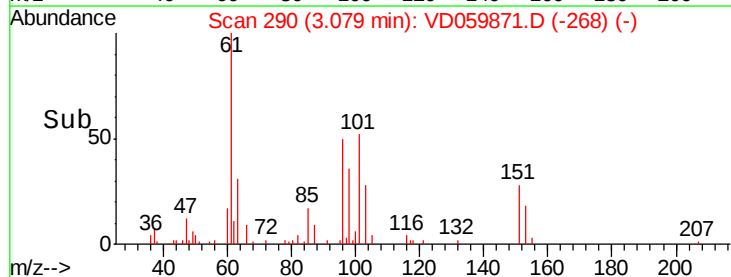
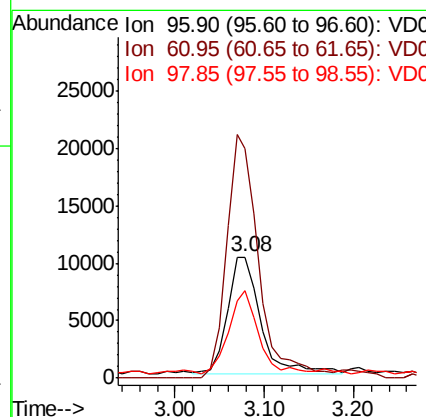
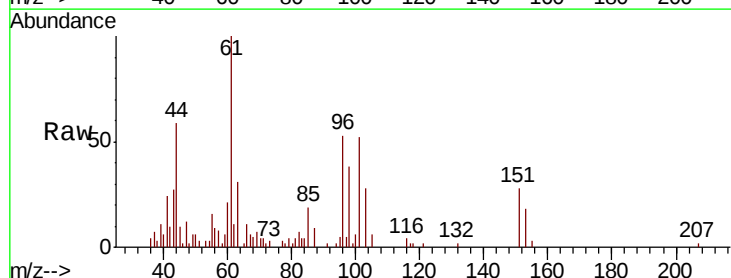
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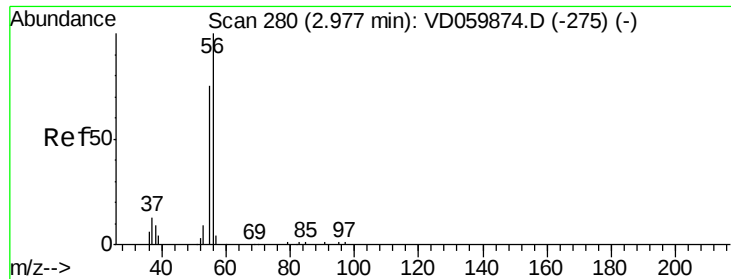


#12

1,1-Dichloroethene
 Concen: 6.24 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 96 Resp: 26509
 Ion Ratio Lower Upper
 96 100
 61 189.7 158.8 238.2
 98 71.7 48.7 73.1





#13

Acrolein

Concen: 28.08 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10030

Ion Ratio Lower Upper

56 100

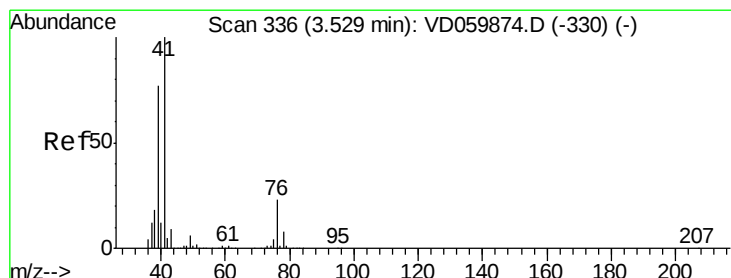
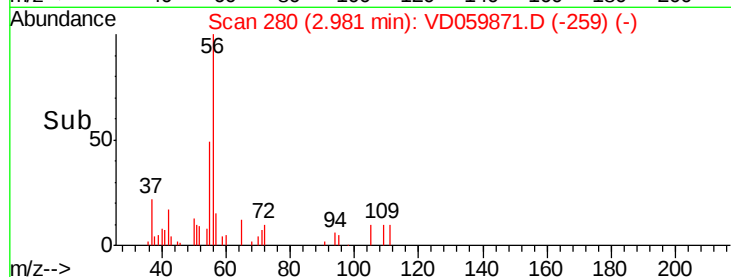
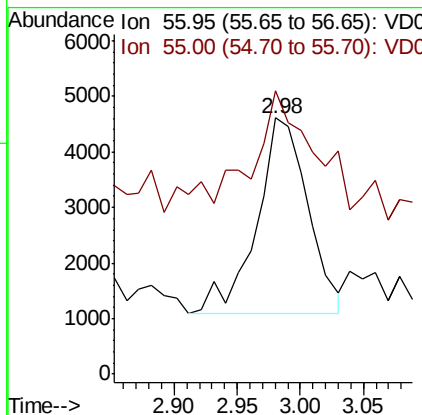
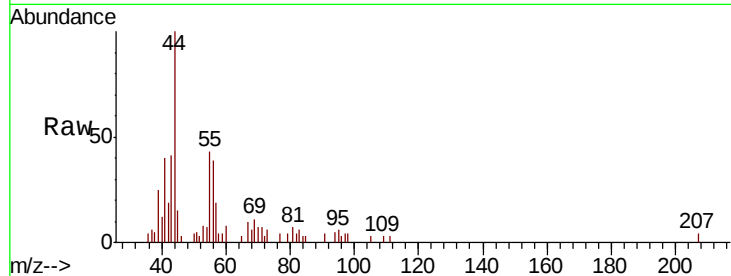
55 110.4 61.9 92.9#

Manual Integrations

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#14

Allyl chloride

Concen: 5.40 ug/l

RT: 3.54 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

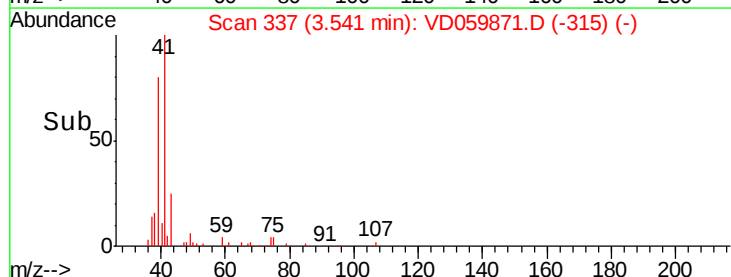
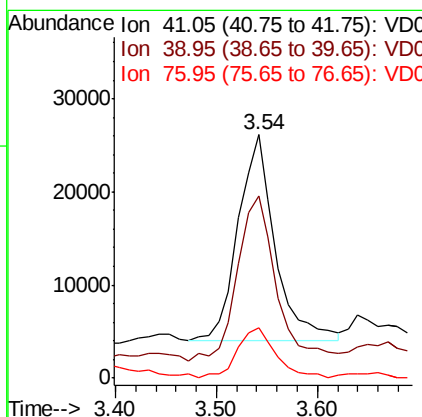
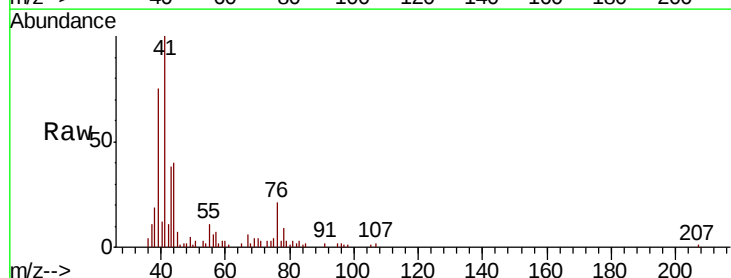
Tgt Ion: 41 Resp: 56342

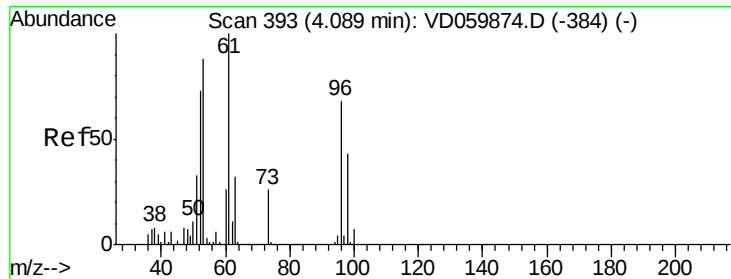
Ion Ratio Lower Upper

41 100

39 74.7 61.8 92.6

76 20.6 19.4 29.2





#15

Acrylonitrile

Concen: 28.78 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

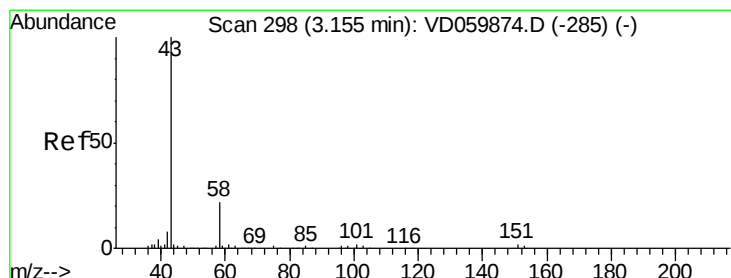
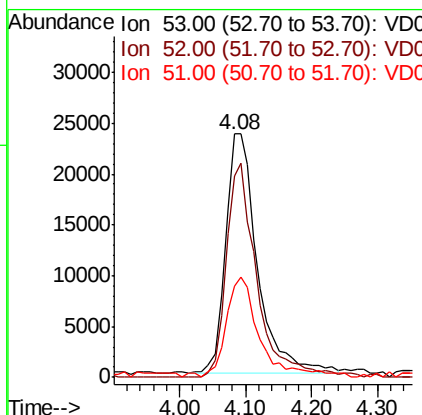
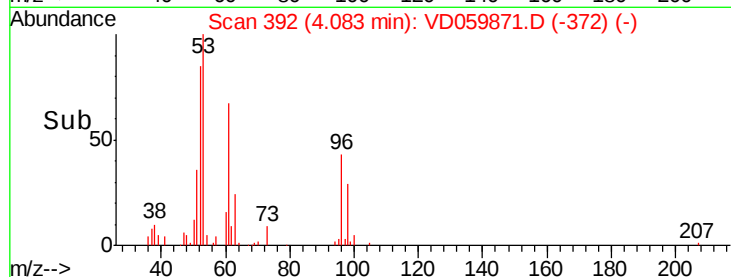
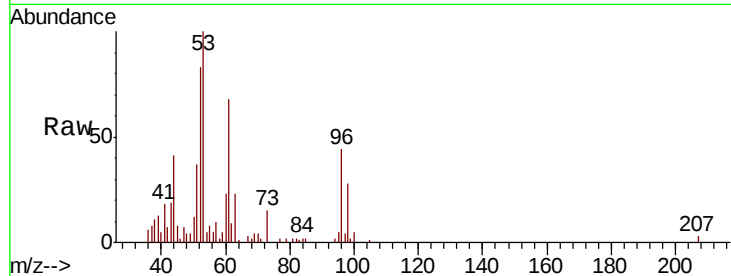
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	79808
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.9	100.3
51	37.5	30.3	45.5

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#16

Acetone

Concen: 25.65 ug/l

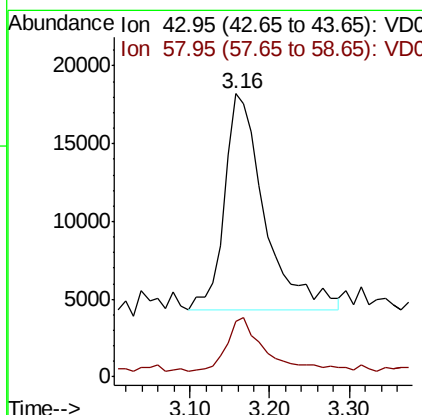
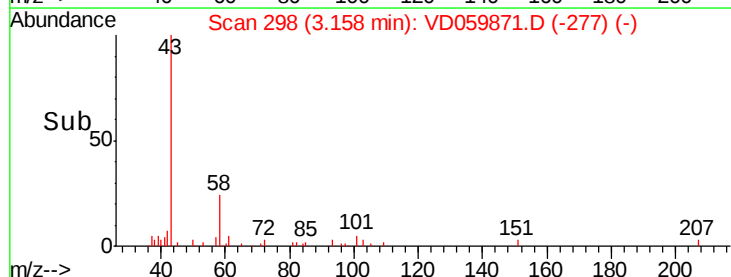
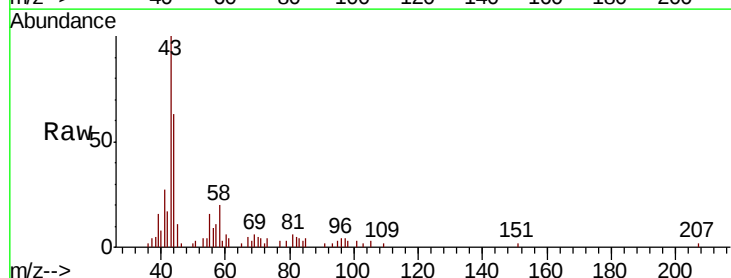
RT: 3.16 min Scan# 298

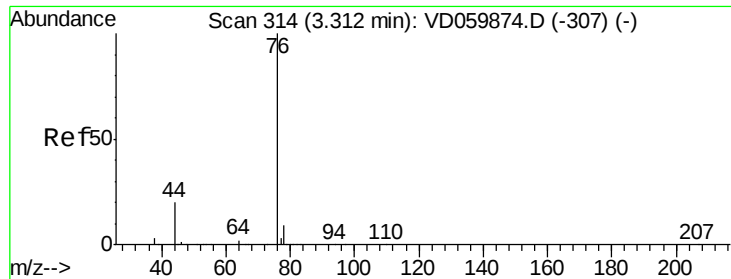
Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion:	43	Resp:	48626
Ion	Ratio	Lower	Upper
43	100		
58	19.7	17.6	26.4





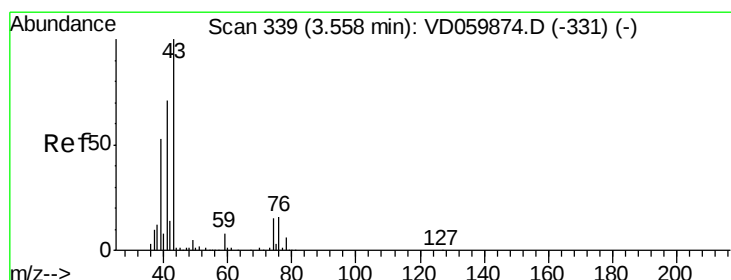
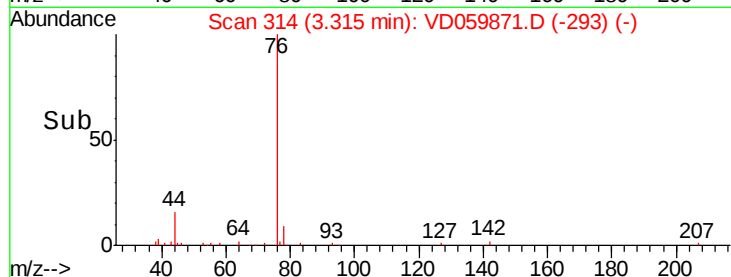
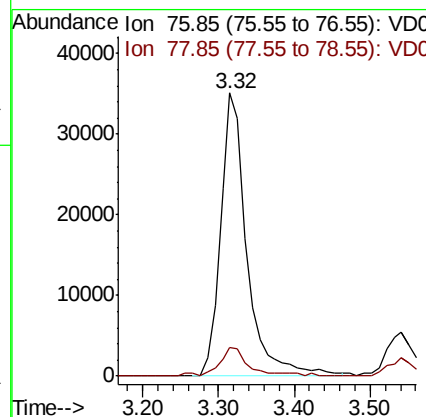
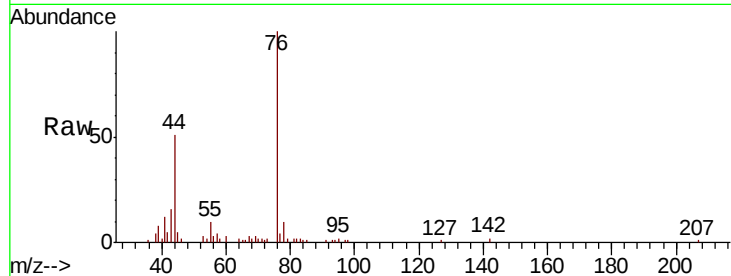
#17
Carbon Disulfide
Concen: 6.19 ug/l
RT: 3.32 min Scan# 314
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.4	11.2

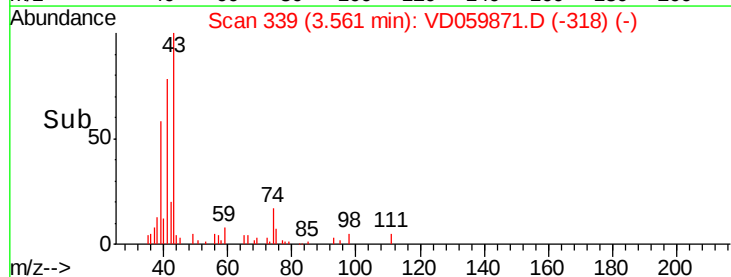
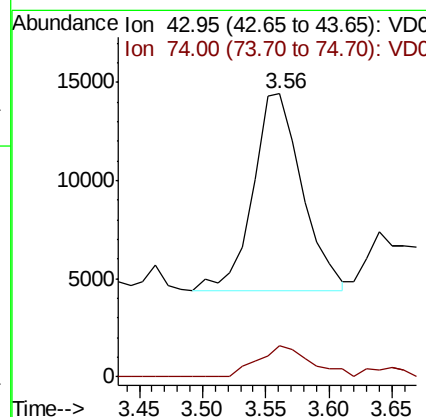
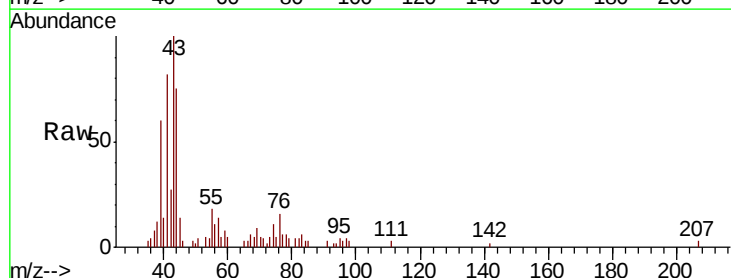
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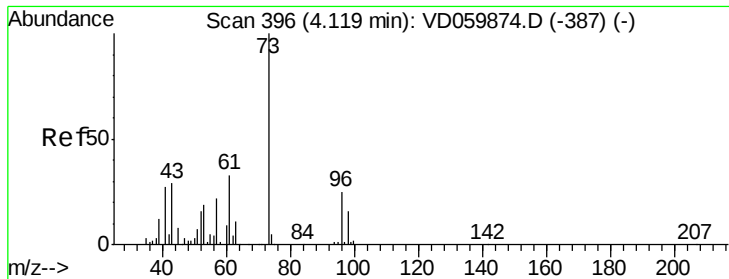
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#18
Methyl Acetate
Concen: 6.51 ug/l
RT: 3.56 min Scan# 339
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	11.2	11.2	16.8#





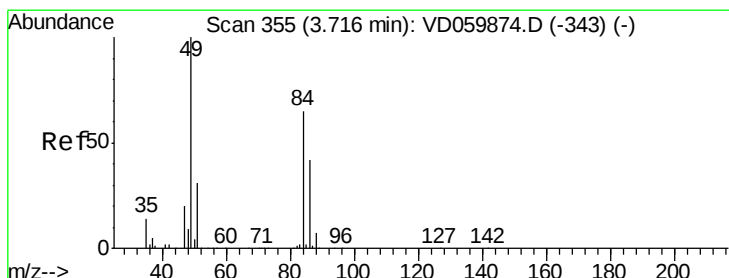
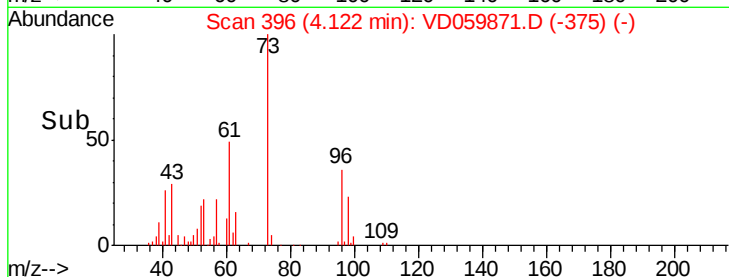
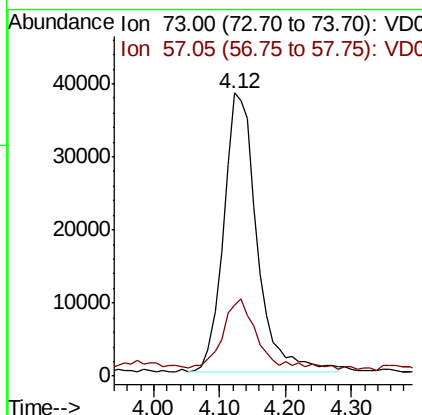
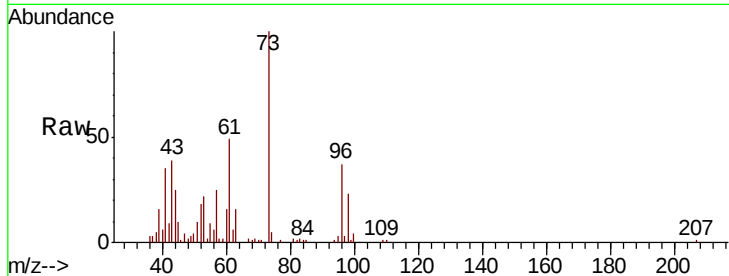
#19
Methvl tert-butvl Ether
Concen: 5.29 ug/l
RT: 4.12 min Scan# 396
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 135209
Ion Ratio Lower Upper
73 100
57 25.1 17.9 26.9

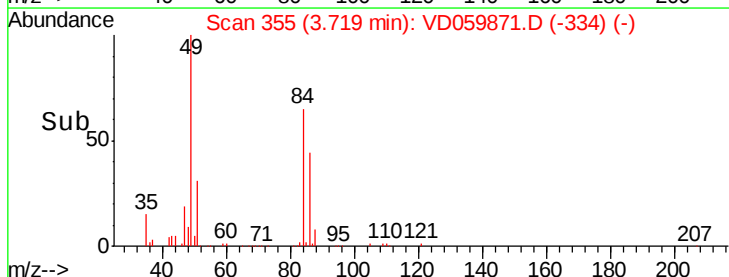
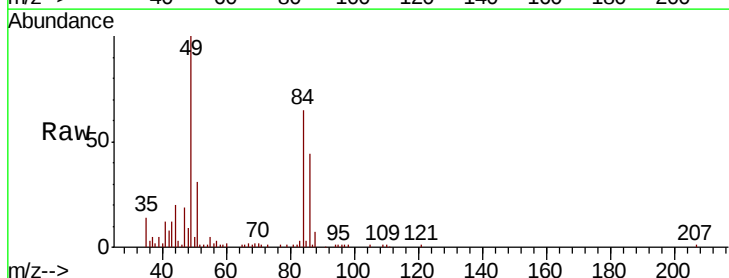
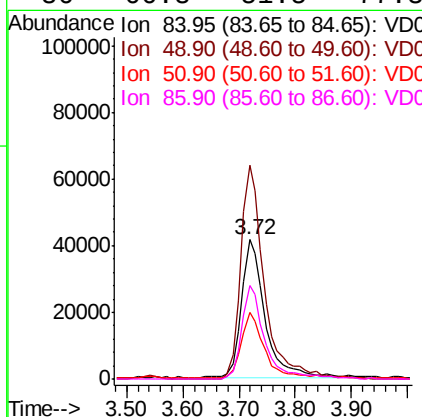
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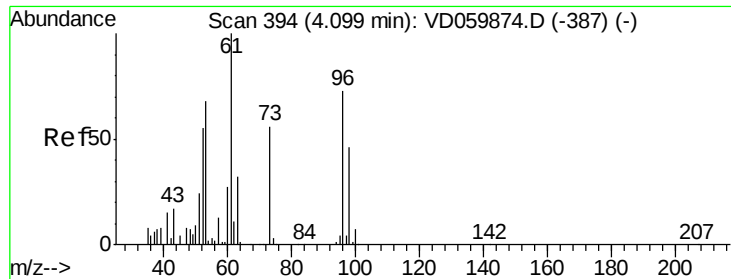
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#20
Methylene Chloride
Concen: 9.09 ug/l
RT: 3.72 min Scan# 355
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 84 Resp: 120475
Ion Ratio Lower Upper
84 100
49 153.3 122.6 183.8
51 48.0 38.4 57.6
86 66.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 6.15 ug/l

RT: 4.10 min Scan# 394

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

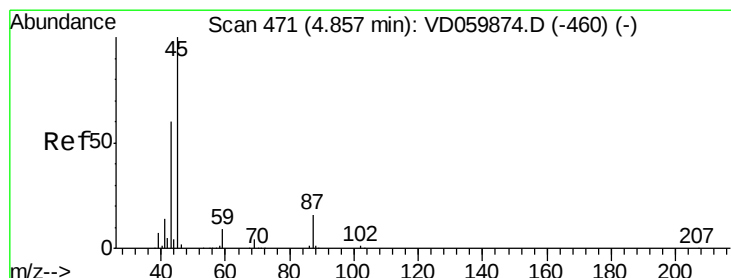
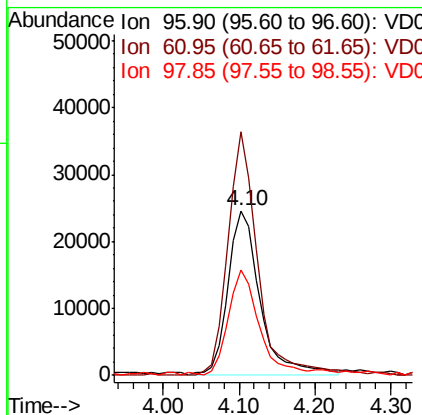
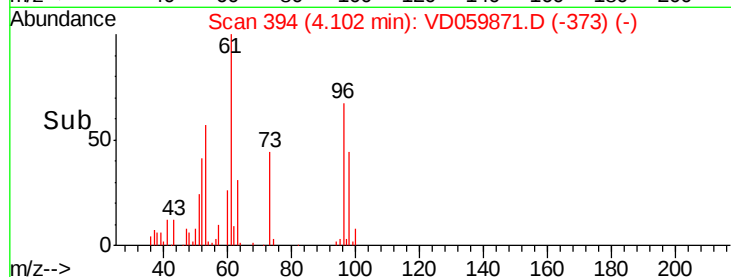
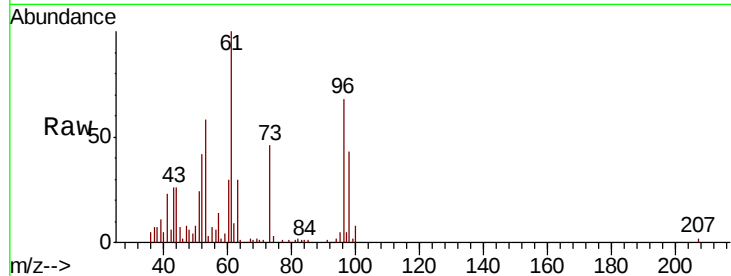
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.7	110.2	165.4
98	63.8	50.9	76.3

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#22

Diisopropyl ether

Concen: 5.30 ug/l

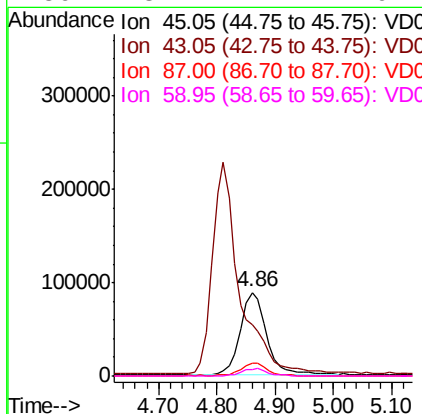
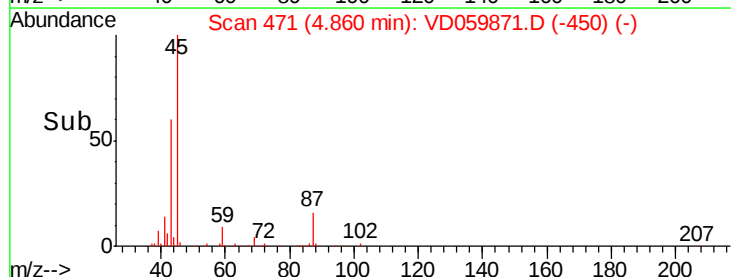
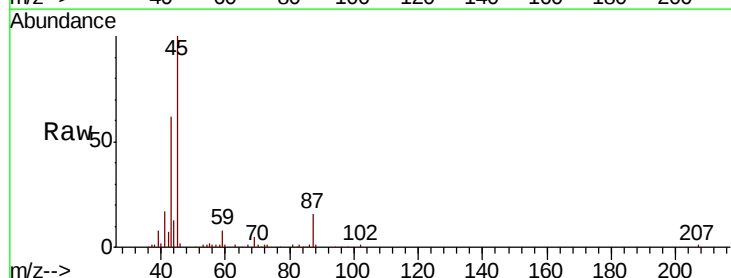
RT: 4.86 min Scan# 471

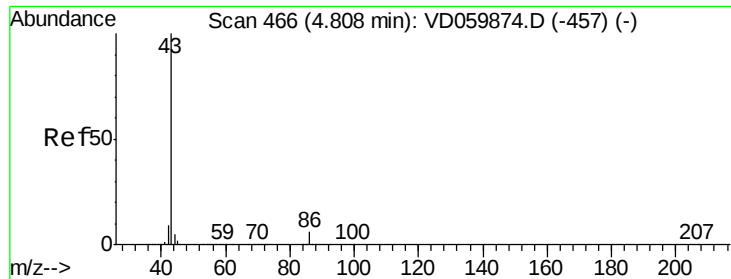
Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	48.6	72.8
87	15.8	13.3	19.9
59	8.4	7.1	10.7





#23

Vinyl Acetate

Concen: 24.85 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 727313

Ion Ratio Lower Upper

43 100

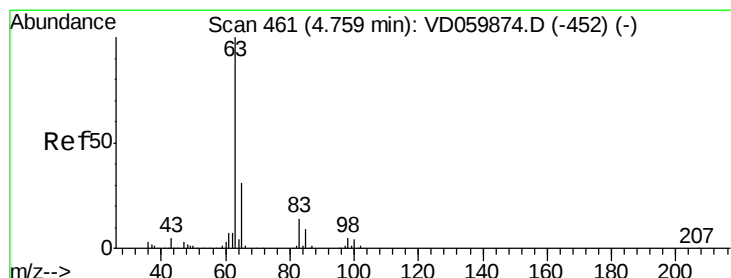
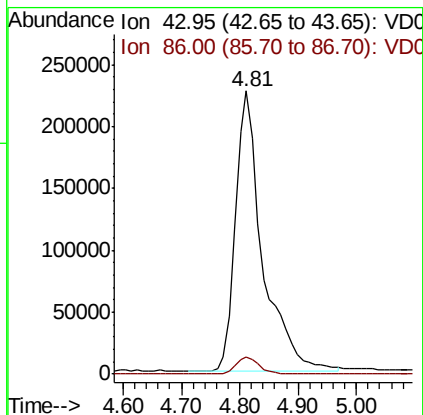
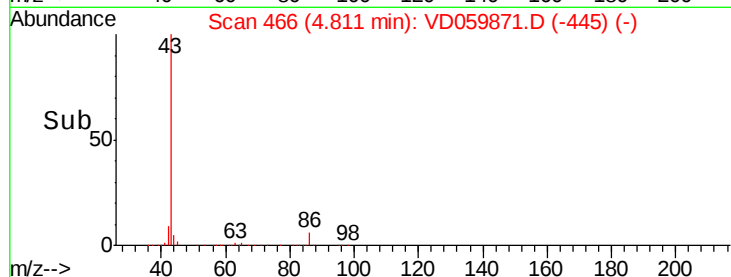
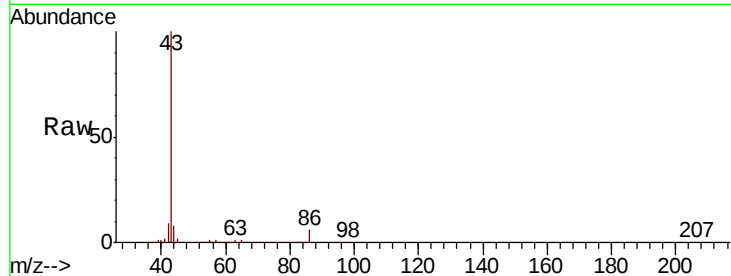
86 6.1 5.0 7.6

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#24

1,1-Dichloroethane

Concen: 5.33 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

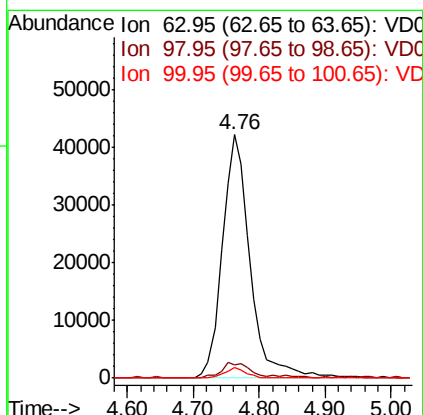
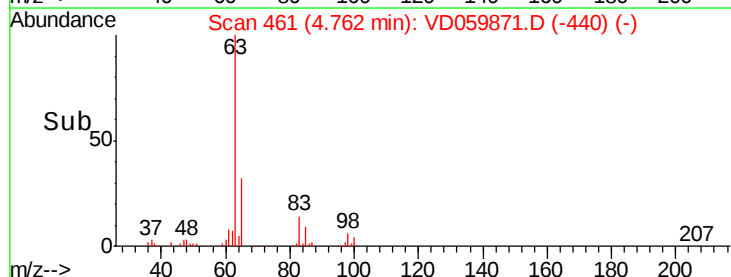
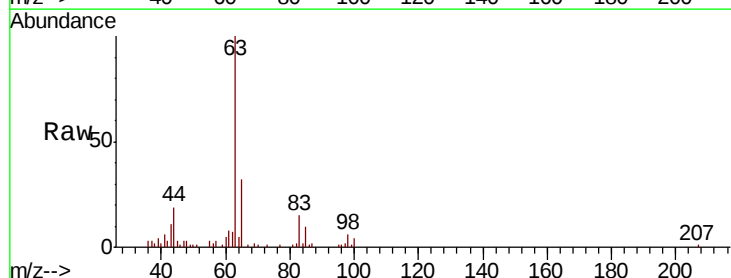
Tgt Ion: 63 Resp: 123866

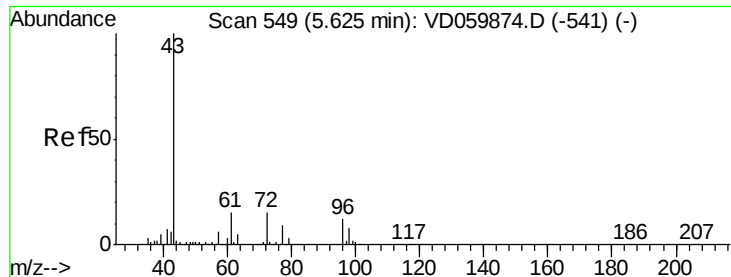
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 4.1 1.8 5.3





#25

2-Butanone

Concen: 24.89 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 141099

Ion Ratio Lower Upper

43 100

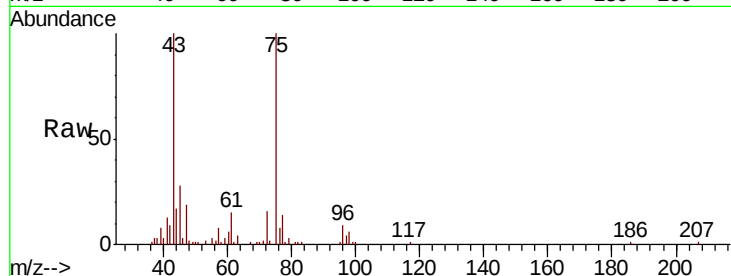
72 15.7 12.3 18.5

Manual Integrations

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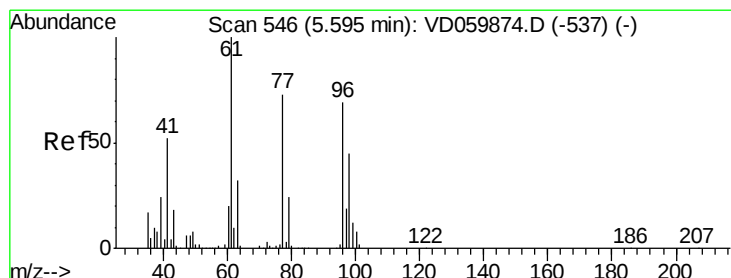
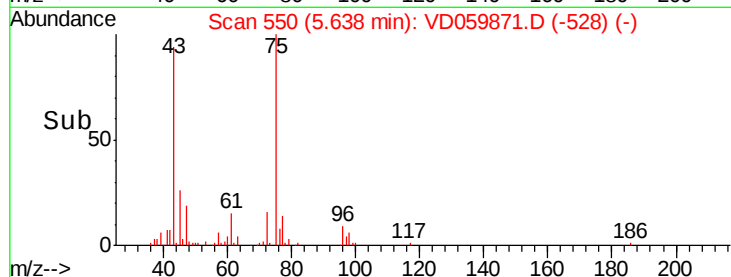
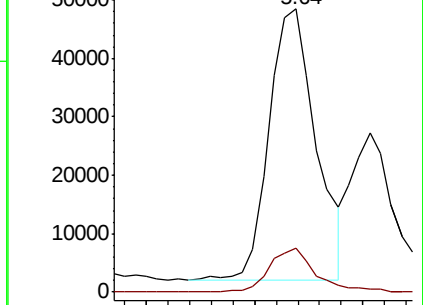
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 6.54 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059871.D

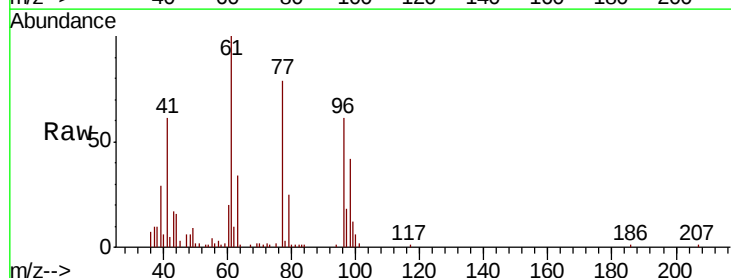
Acq: 22 Aug 2018 12:15

Tgt Ion: 77 Resp: 122369

Ion Ratio Lower Upper

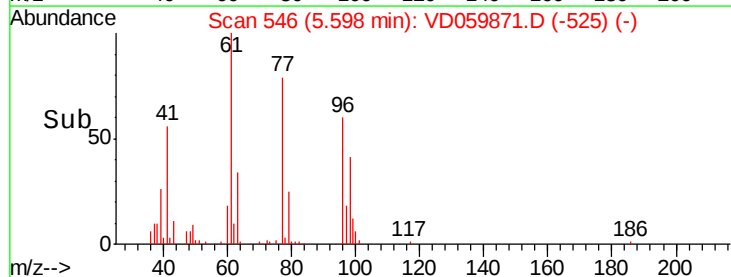
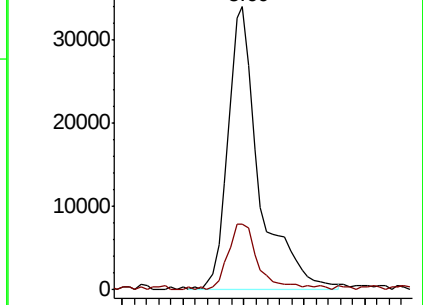
77 100

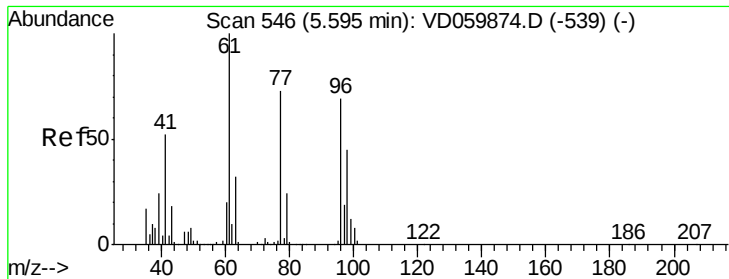
97 23.1 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

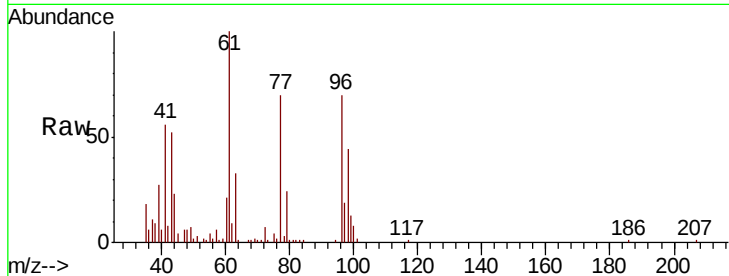
cis-1,2-Dichloroethene
Concen: 5.50 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.01 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

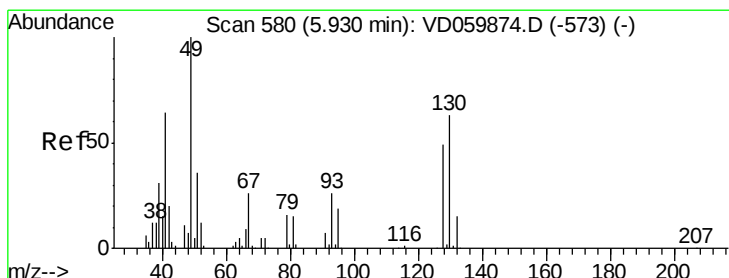
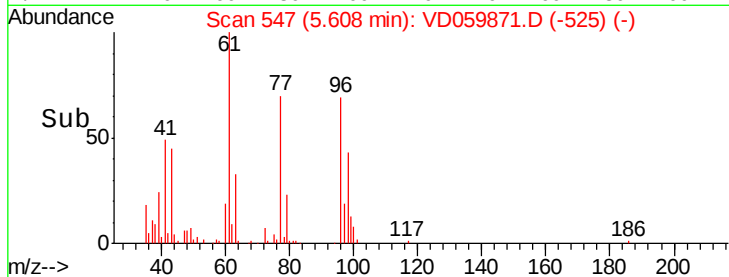
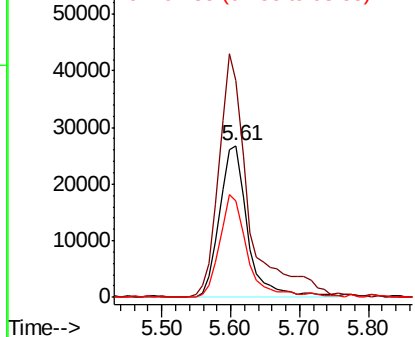
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	290.2
98	63.3	0.0	130.4

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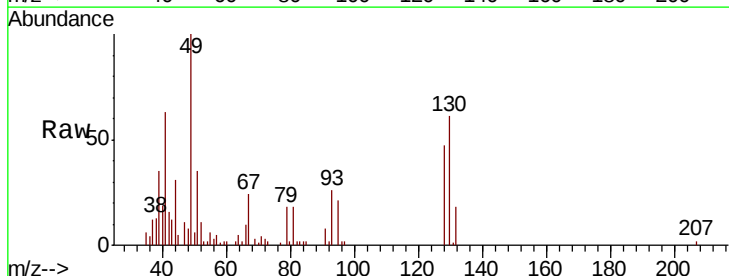
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



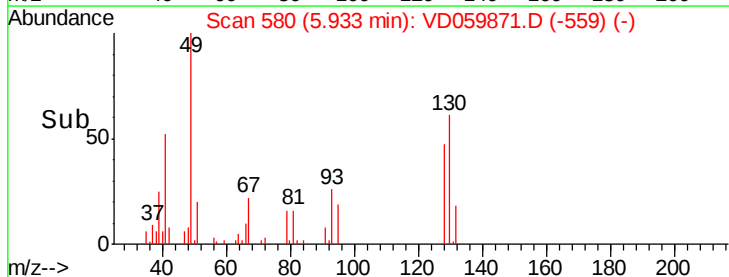
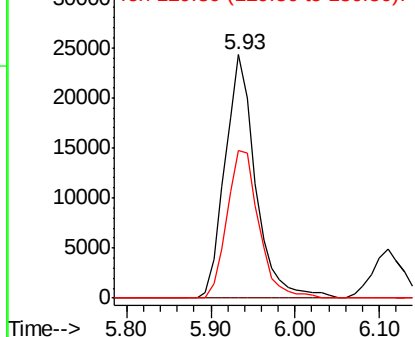
#28

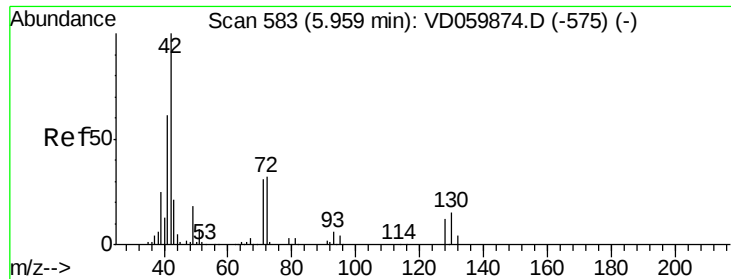
Bromochloromethane
Concen: 5.46 ug/l
RT: 5.93 min Scan# 580
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	60.7	50.6	75.8



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





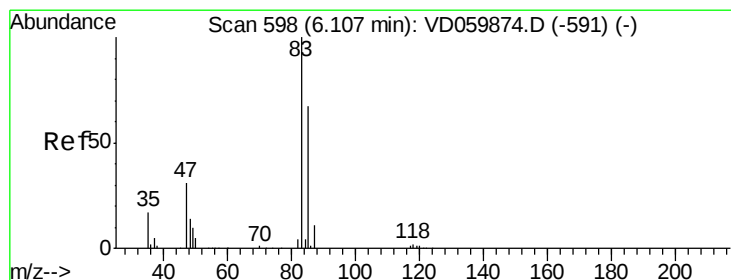
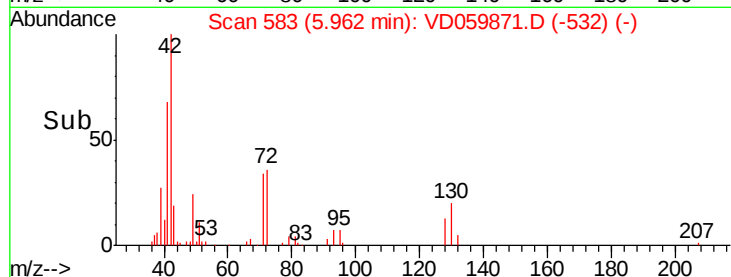
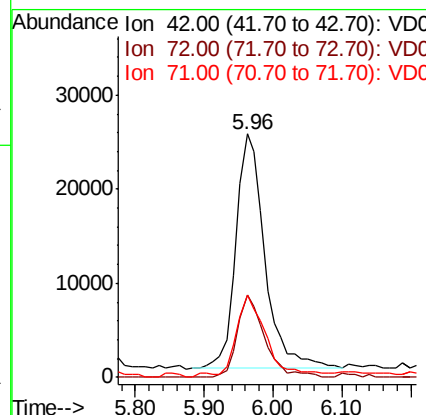
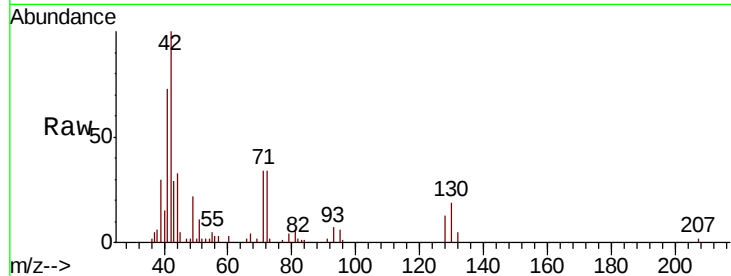
#29
Tetrahydrofuran
Concen: 25.25 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	25.7	38.5
71	38.0	25.3	37.9

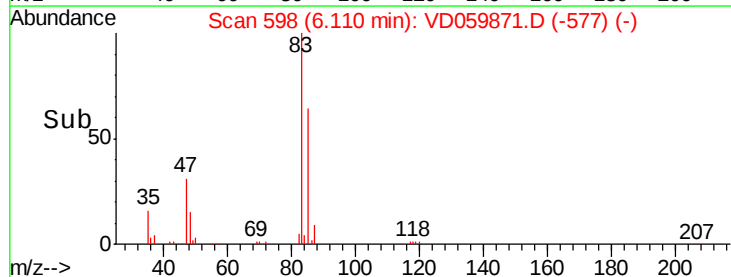
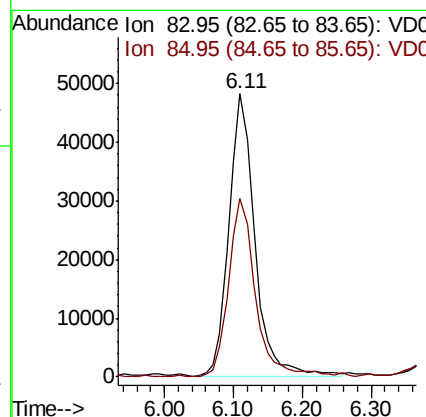
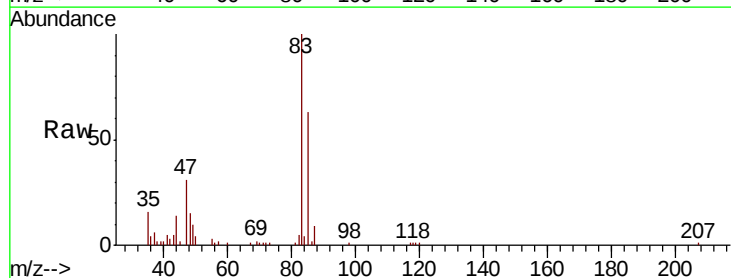
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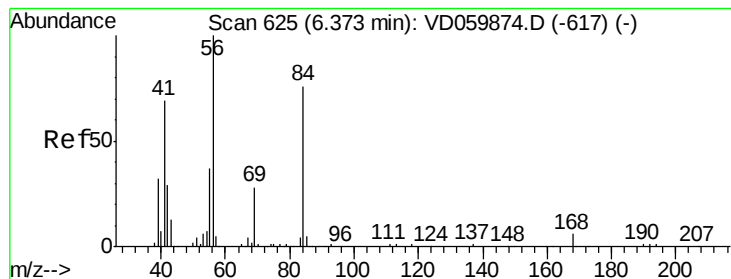
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#30
Chloroform
Concen: 5.38 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.5	80.3





#31

Cyclohexane

Concen: 6.28 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

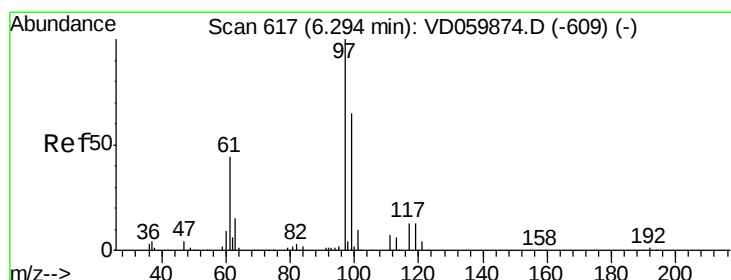
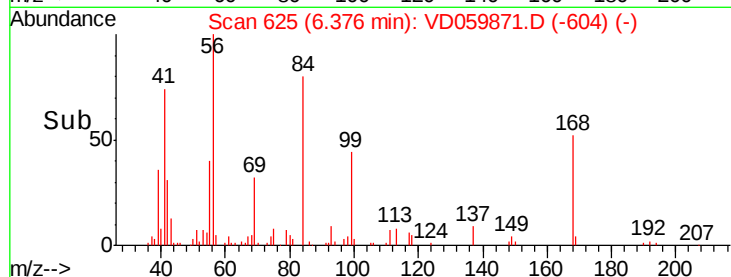
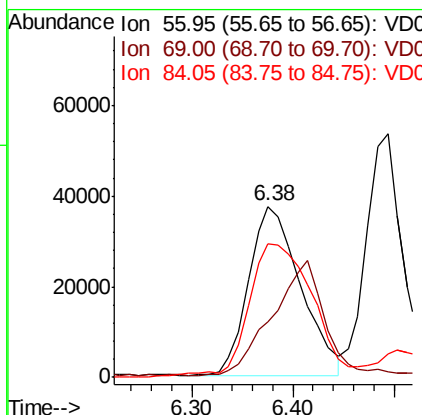
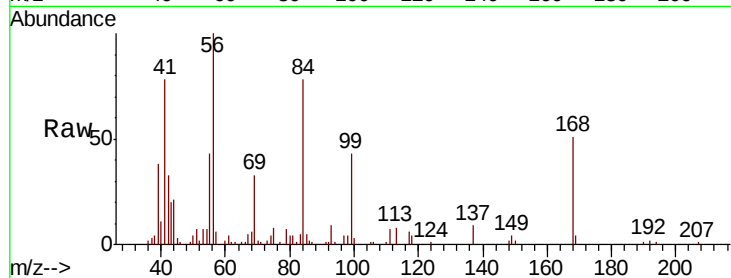
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	133257
Ion Ratio	Lower	Upper	
56	100		
69	32.7	22.4	33.6
84	78.3	62.1	93.1

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#32

1,1,1-Trichloroethane

Concen: 5.46 ug/l

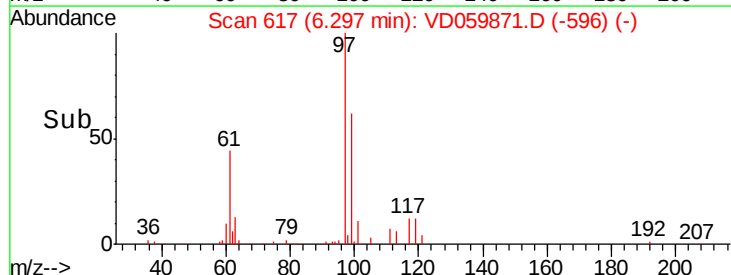
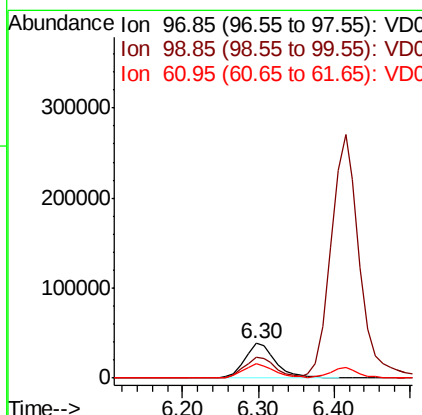
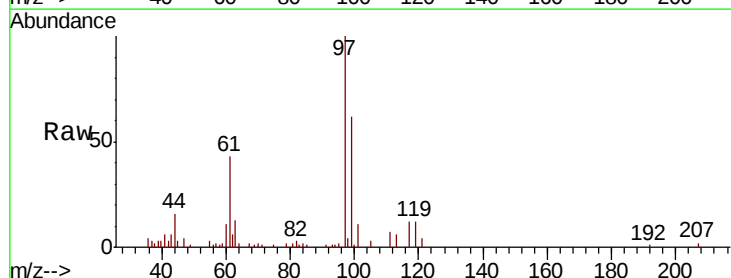
RT: 6.30 min Scan# 617

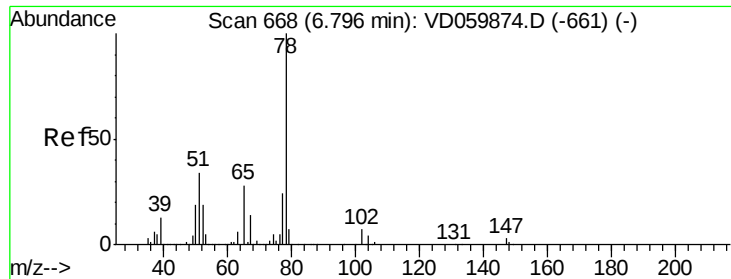
Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion:	97	Resp:	108900
Ion Ratio	Lower	Upper	
97	100		
99	61.6	51.7	77.5
61	43.3	35.4	53.2





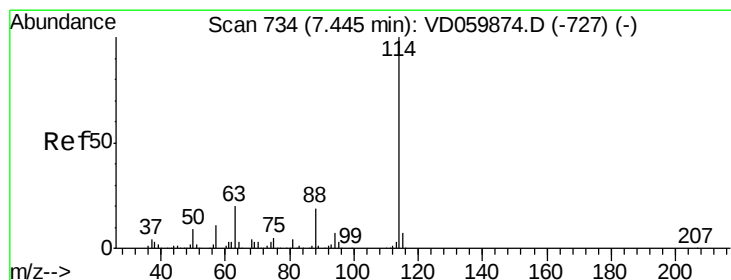
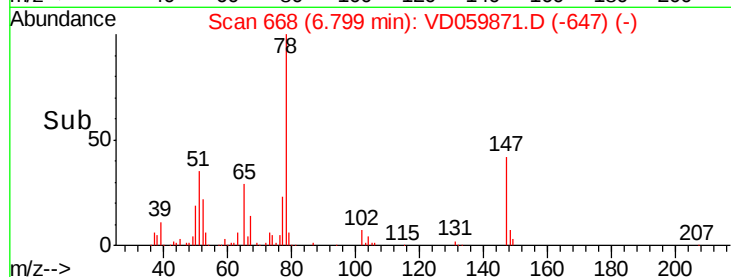
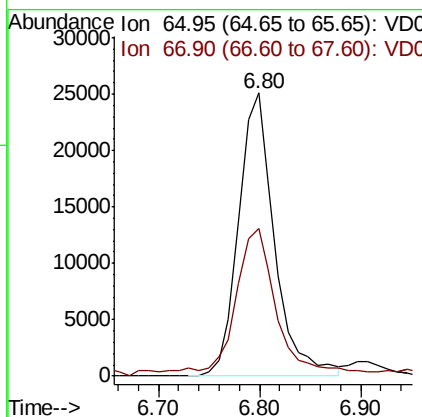
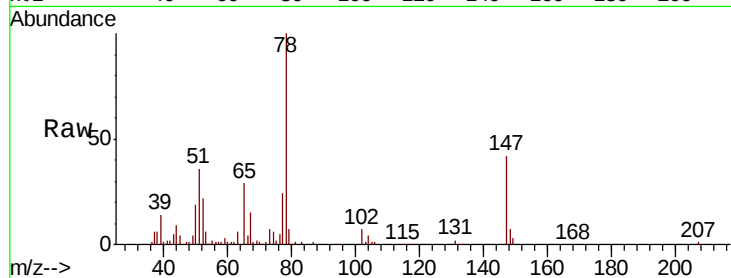
#33
 1,2-Dichloroethane-d4
 Concen: 5.46 ug/l
 RT: 6.80 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.8

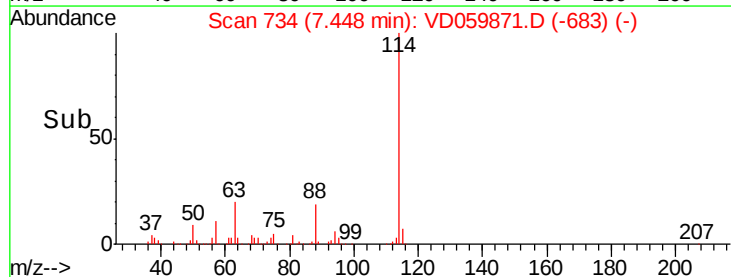
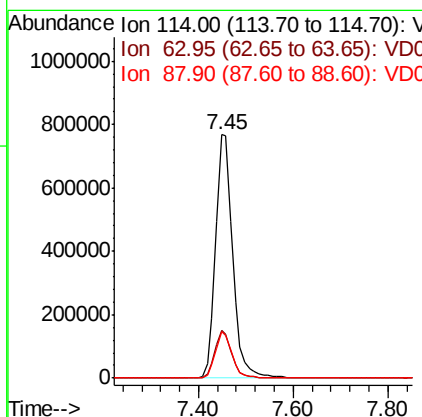
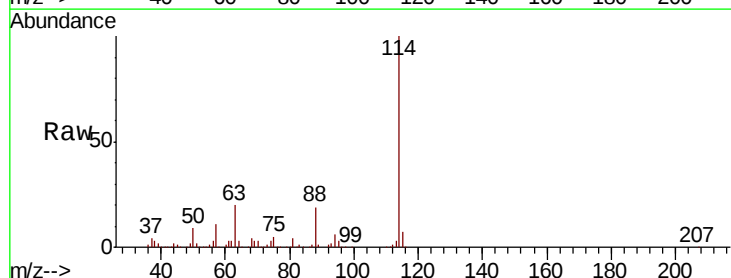
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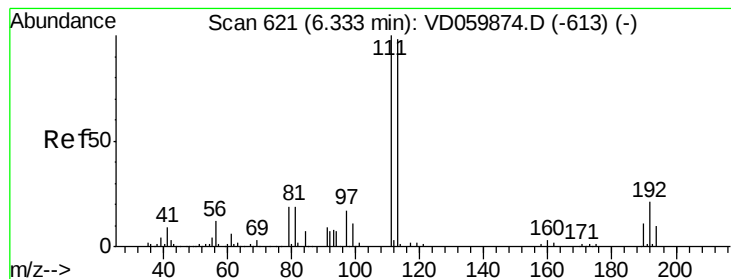
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.4
88	19.0	0.0	37.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.34 min Scan# 621

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

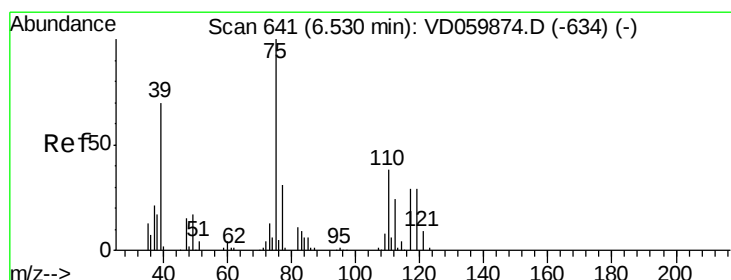
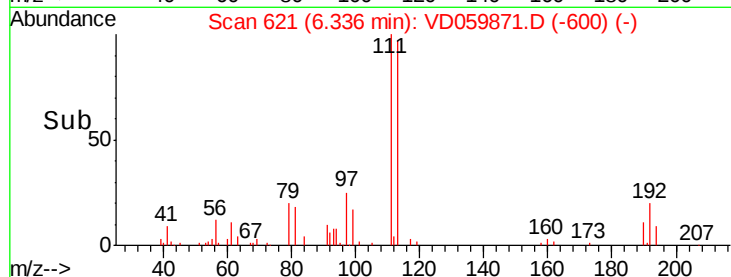
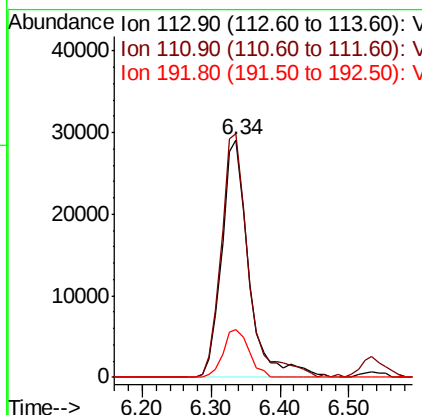
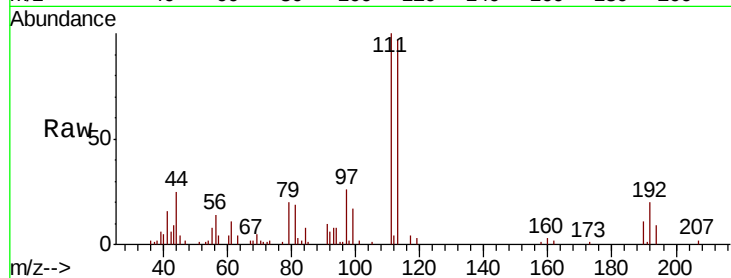
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	78958
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.4	122.2
192	20.1	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 5.73 ug/l

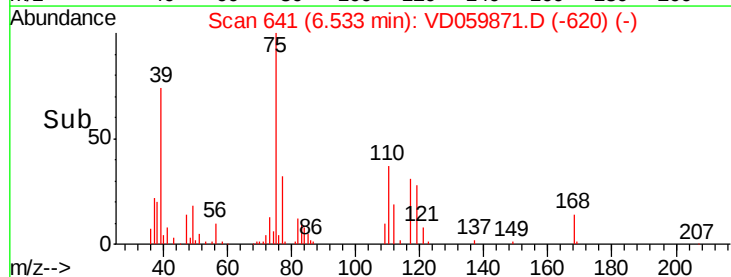
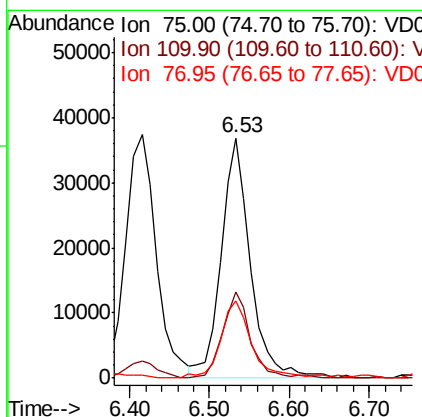
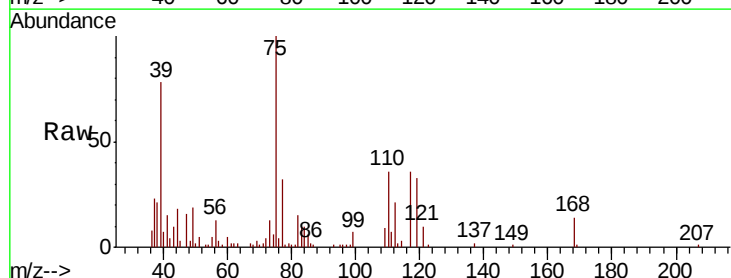
RT: 6.53 min Scan# 641

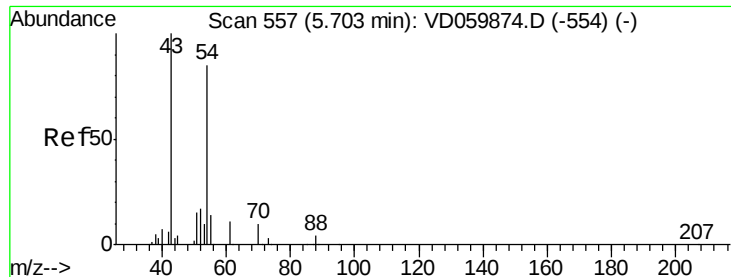
Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion:	75	Resp:	94949
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.6	56.0
77	32.0	25.1	37.7





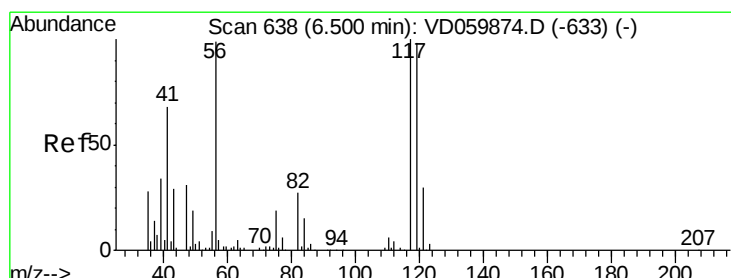
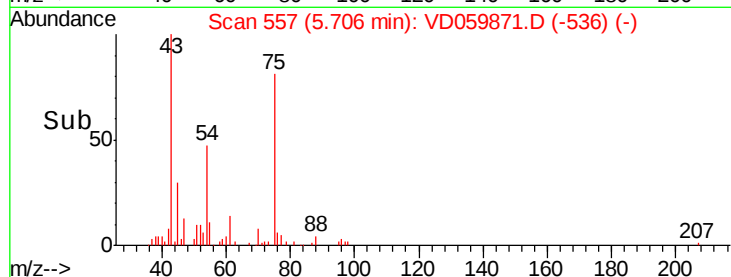
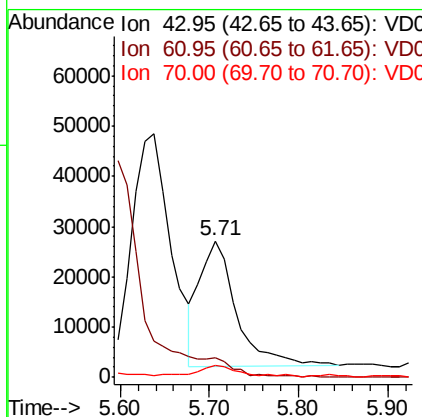
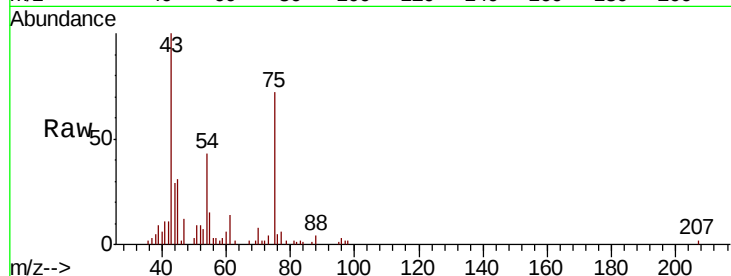
#37
Ethyl Acetate
Concen: 5.44 ug/l
RT: 5.71 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.6
70	8.4	5.7	8.5

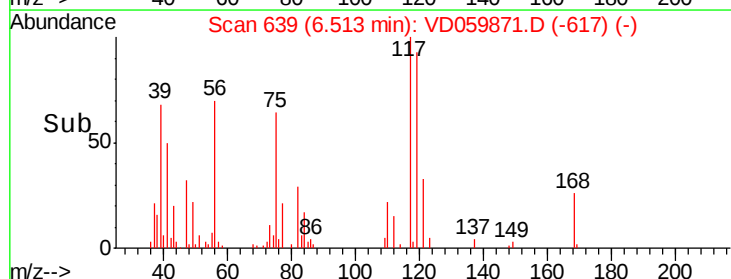
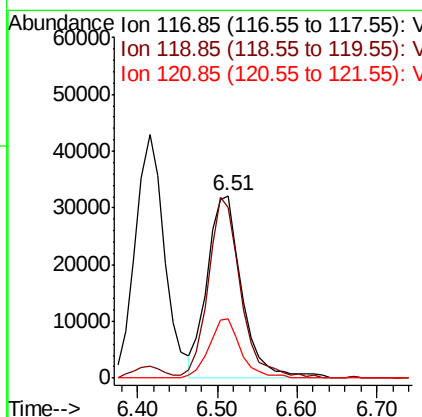
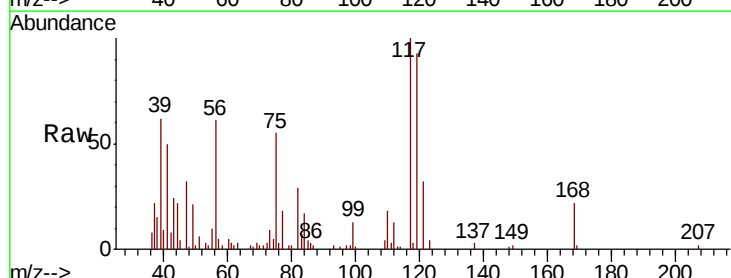
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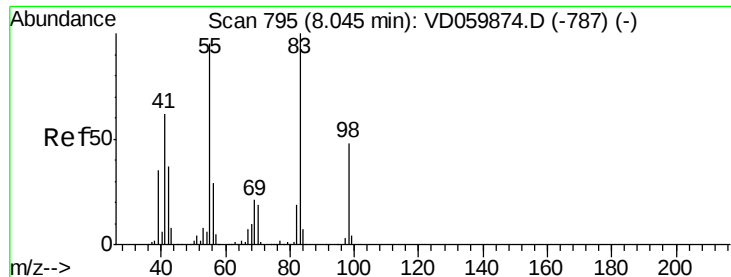
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#38
Carbon Tetrachloride
Concen: 5.80 ug/l
RT: 6.51 min Scan# 639
Delta R.T. 0.01 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.2	115.8
121	32.4	24.0	36.0





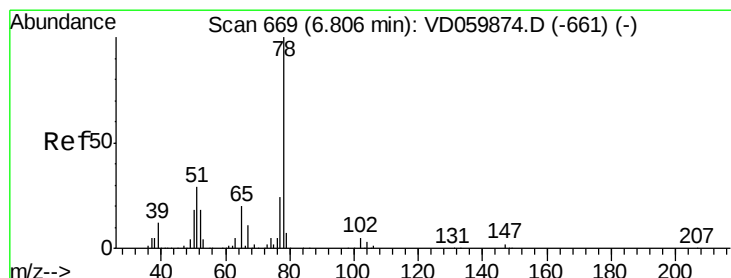
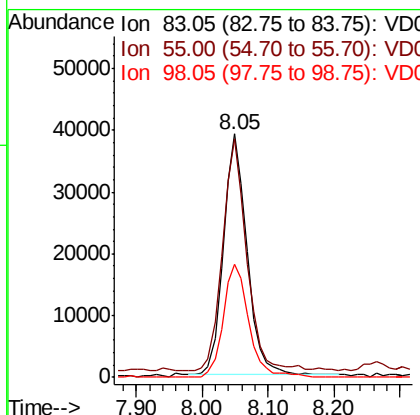
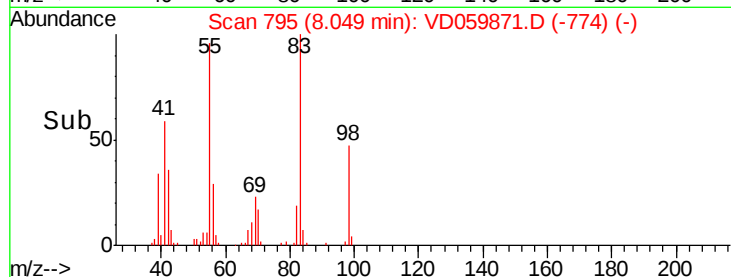
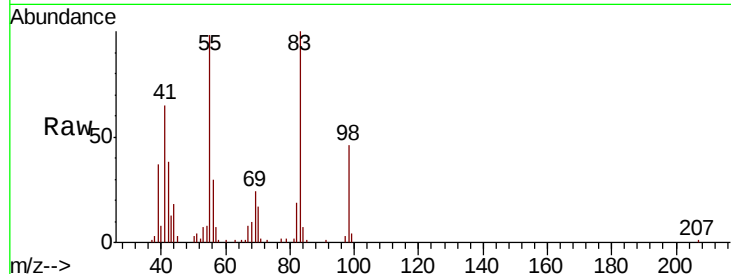
#39
Methvlcvclohexane
Concen: 5.29 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.0	75.8	113.6
98	46.3	38.3	57.5

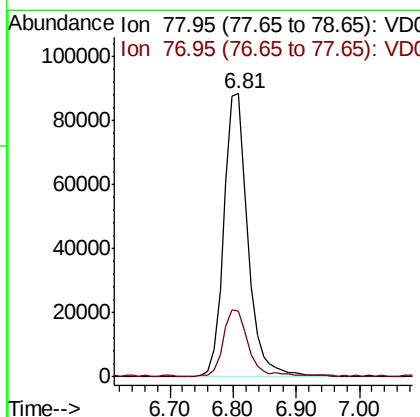
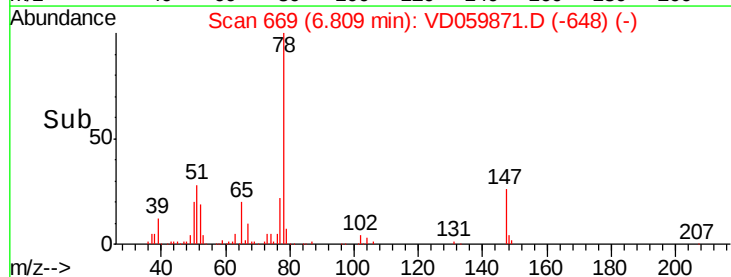
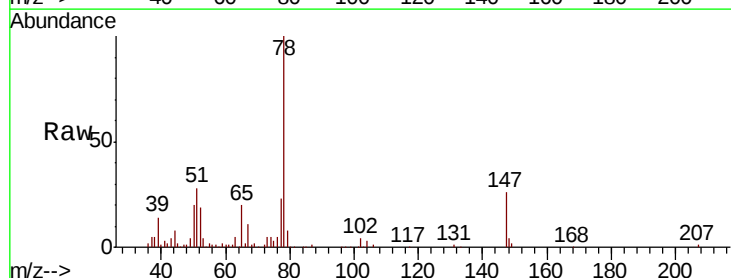
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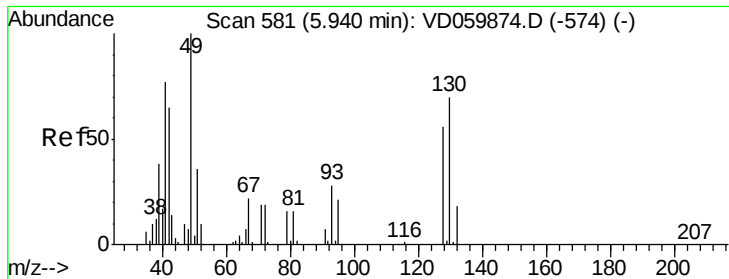
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#40
Benzene
Concen: 5.37 ug/l
RT: 6.81 min Scan# 669
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





#41

Methacrylonitrile

Concen: 3.21 ug/l m

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 34548

Ion Ratio Lower Upper

41 100

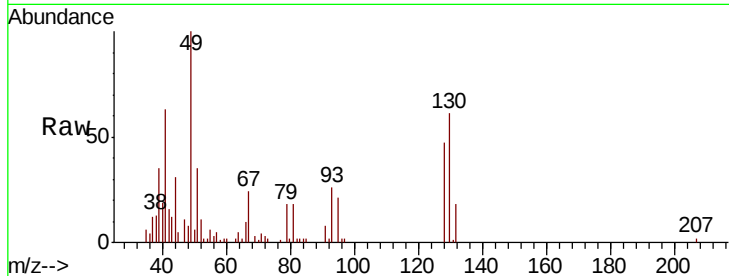
39 55.4 33.1 49.7#

67 37.6 4.4 6.6#

52 17.1 2.2 3.2#

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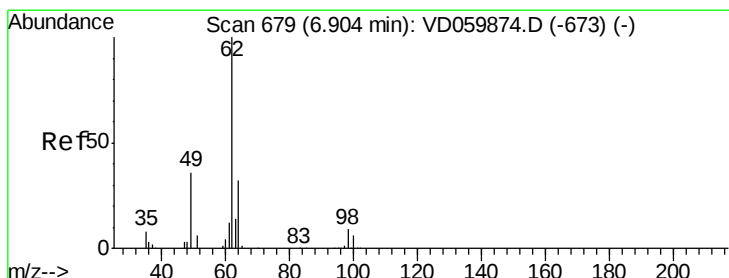
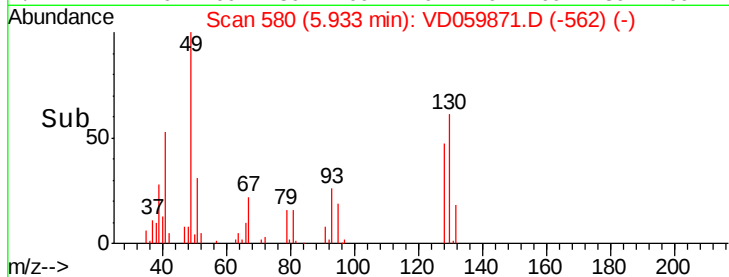
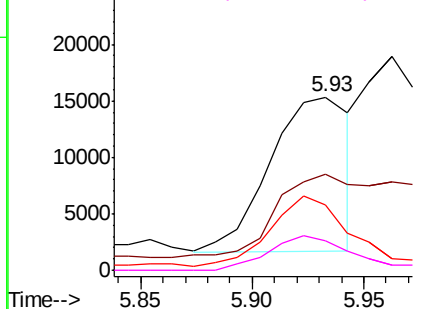


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 4.95 ug/l

RT: 6.91 min Scan# 679

Delta R.T. 0.00 min

Lab File: VD059871.D

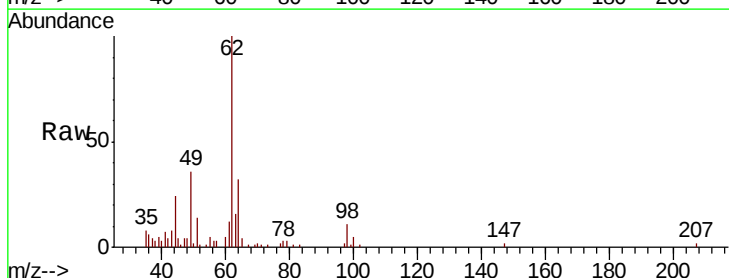
Acq: 22 Aug 2018 12:15

Tgt Ion: 62 Resp: 70683

Ion Ratio Lower Upper

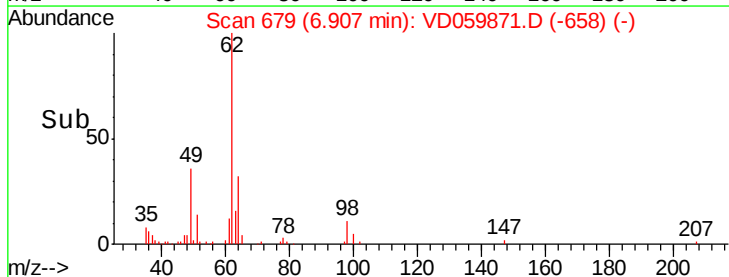
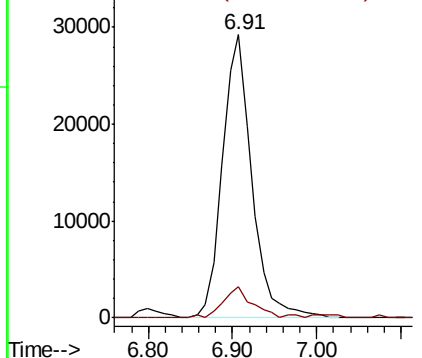
62 100

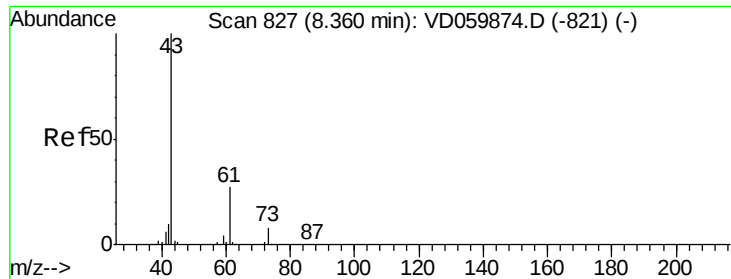
98 11.0 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





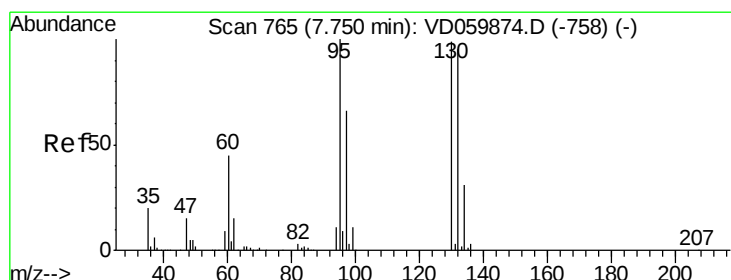
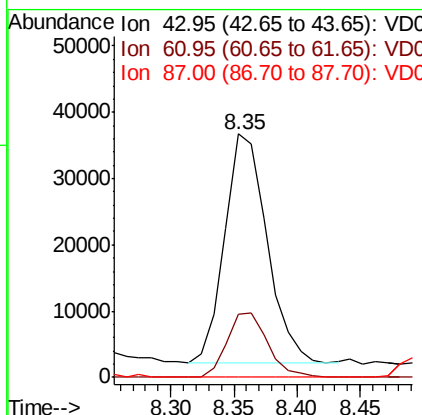
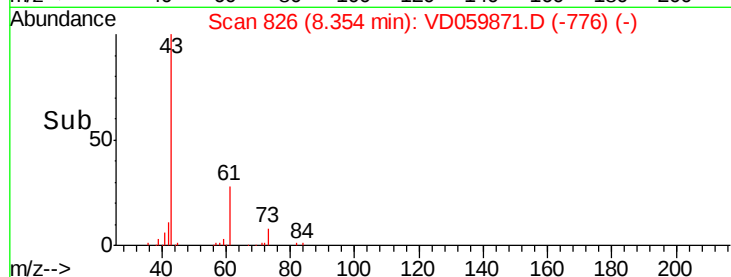
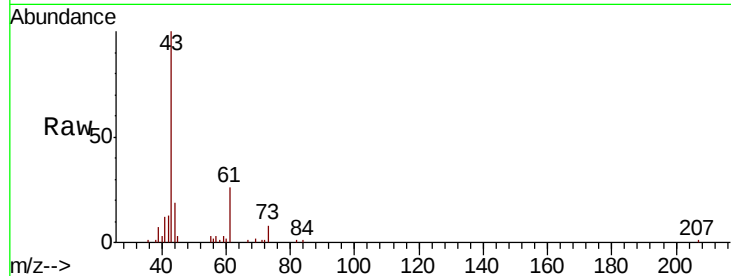
#43
Isopropyl Acetate
Concen: 4.60 ug/l
RT: 8.35 min Scan# 826
Delta R.T. -0.01 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.4	32.2
87	0.0	0.2	0.4

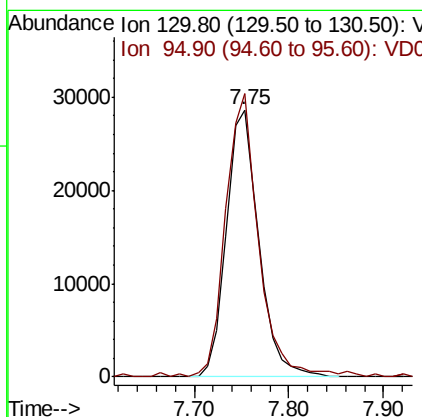
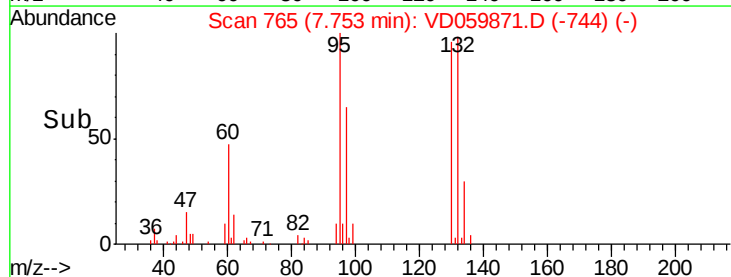
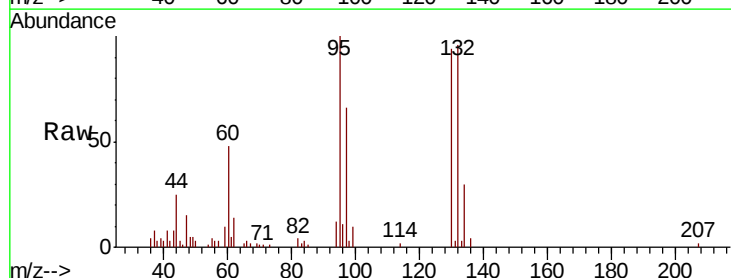
Manual Integrations
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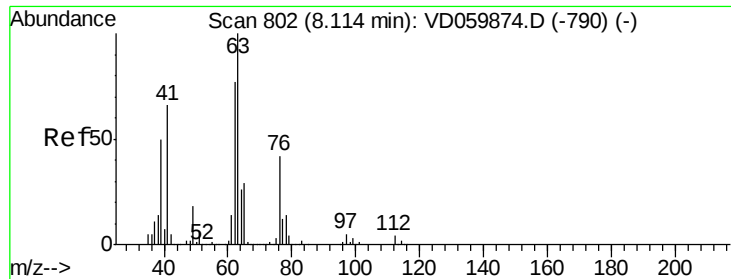
apatel
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#44
Trichloroethene
Concen: 5.28 ug/l
RT: 7.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	202.0





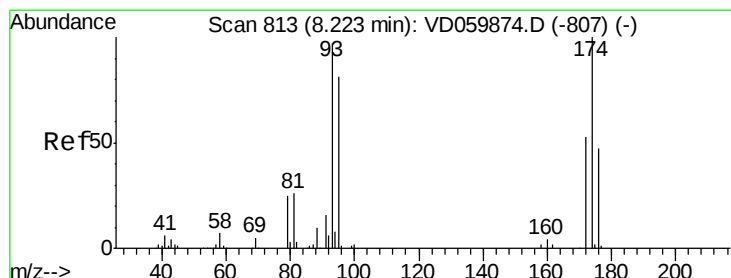
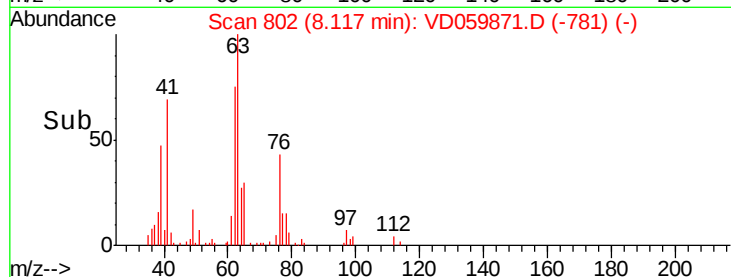
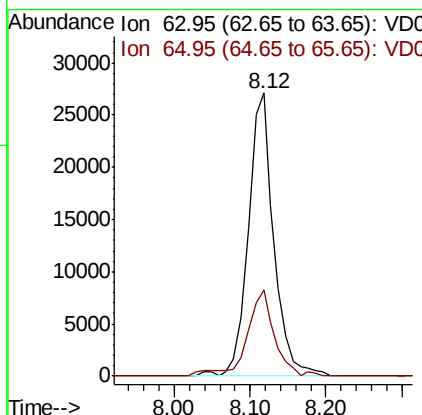
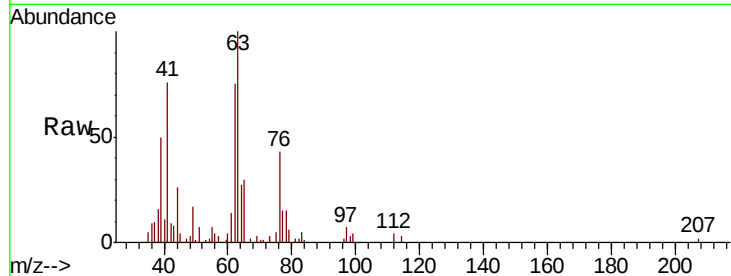
#45
 1,2-Dichloropropane
 Concen: 5.06 ug/l
 RT: 8.12 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.5	35.3

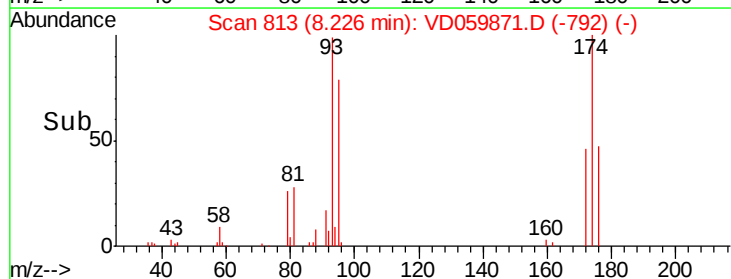
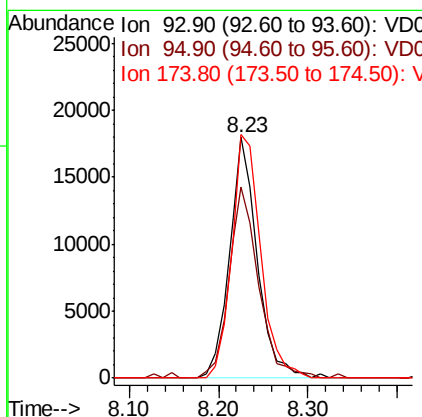
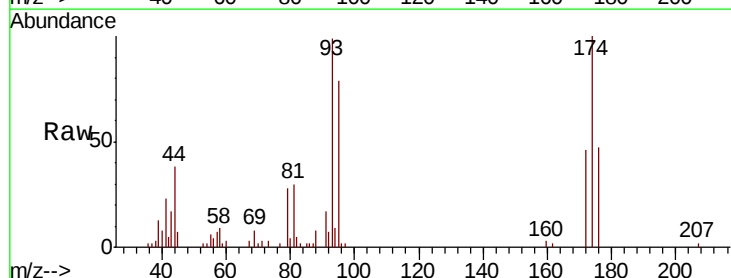
Manual Integrations
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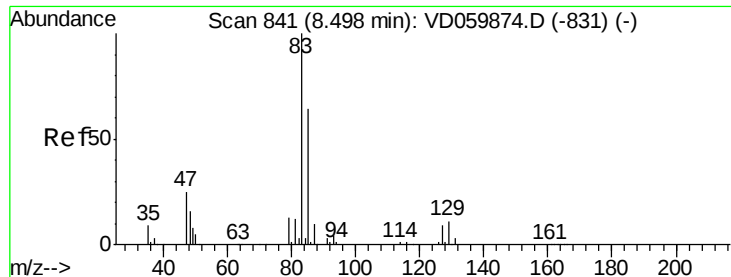
apatel
 8/23/2018 10:52:29 AM



#46
 Dibromomethane
 Concen: 4.94 ug/l
 RT: 8.23 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.4	66.6	100.0
174	101.1	82.4	123.6





#47

Bromodichloromethane

Concen: 5.11 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

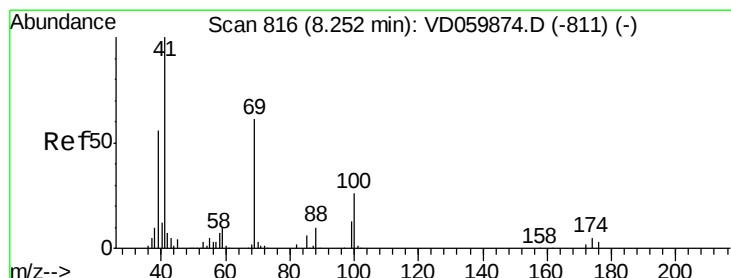
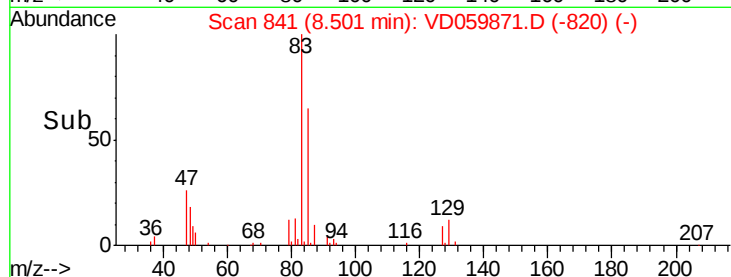
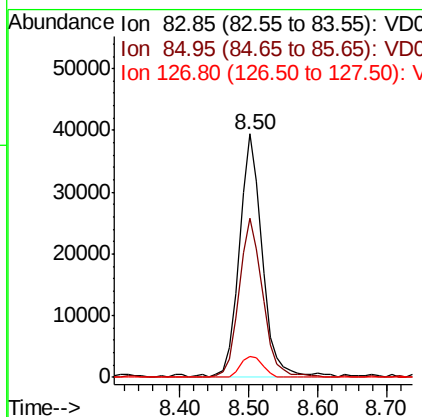
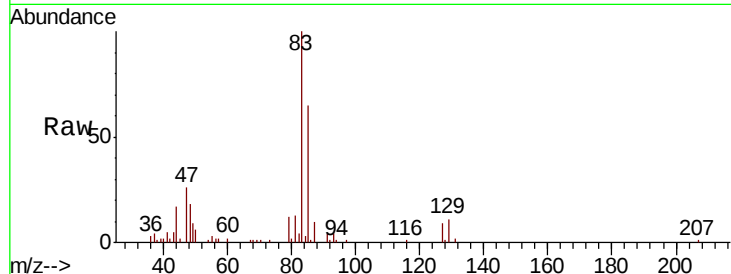
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	91167
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.3	76.9
127	8.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.22 ug/l

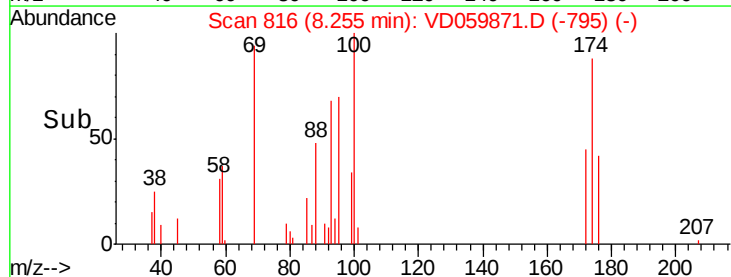
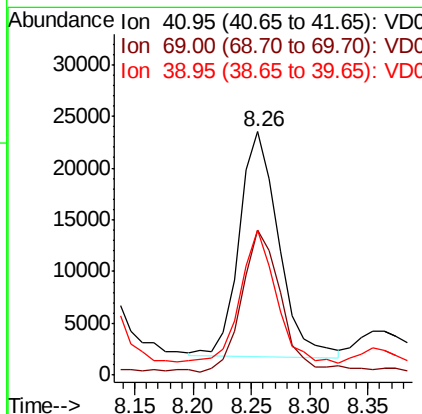
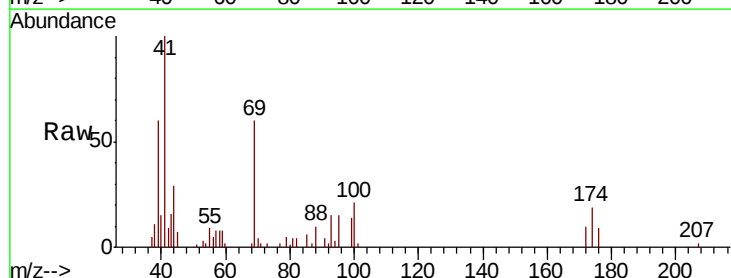
RT: 8.26 min Scan# 816

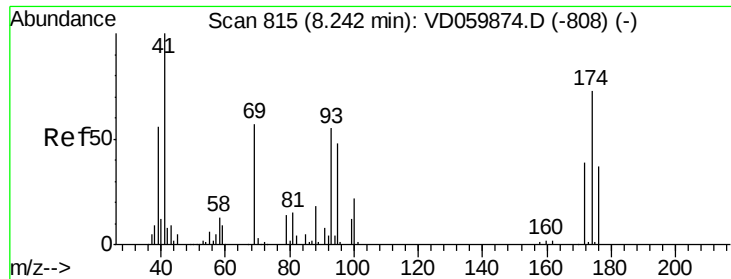
Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion:	41	Resp:	51083
Ion	Ratio	Lower	Upper
41	100		
69	59.7	48.0	72.0
39	59.5	45.4	68.0





#49

1,4-Dioxane

Concen: 91.66 ug/l

RT: 8.25 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

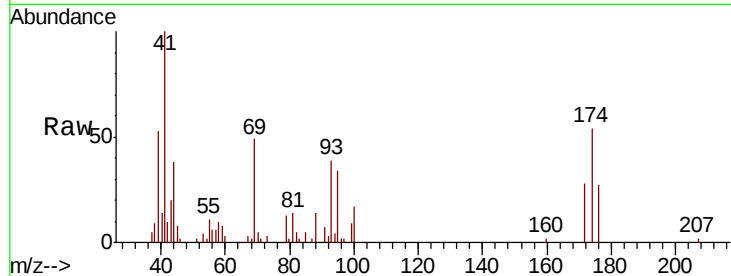
ClientSampleID :

VSTDIC005

Tot Ion	88	Resp	8037
Ion	Ratio	Lower	Upper
88	100		
43	145.2	45.0	67.6#
58	75.3	55.8	83.8

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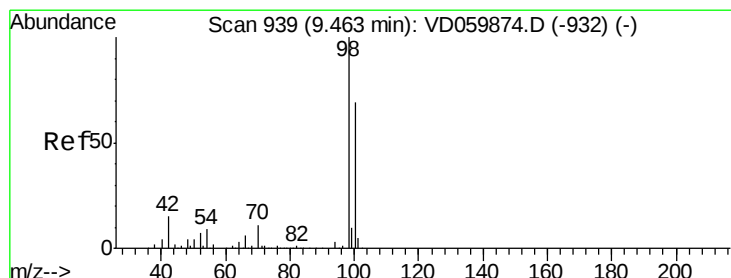
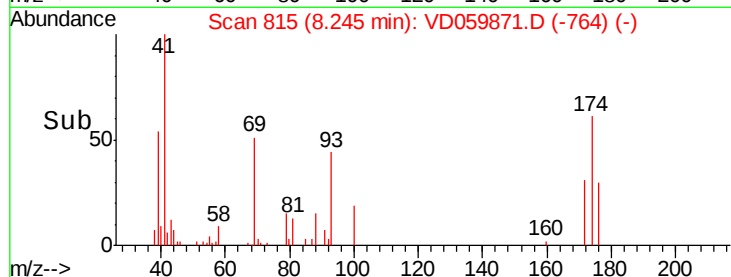
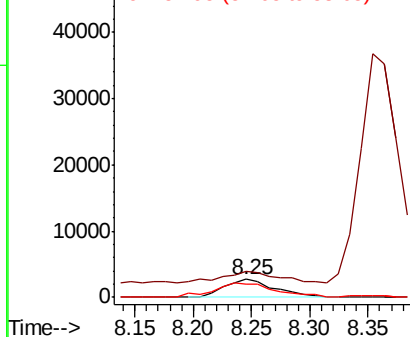


Abundance

Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 91.66 ug/l

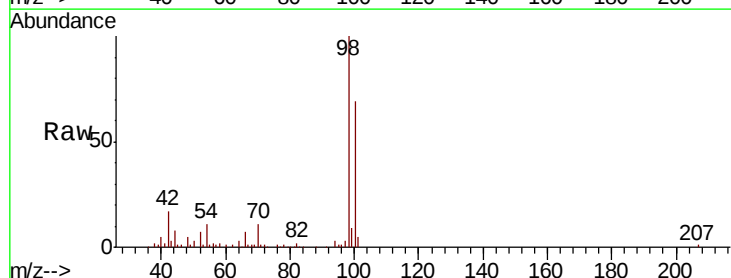
RT: 9.47 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

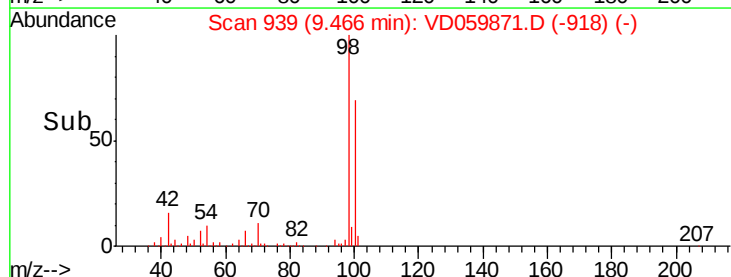
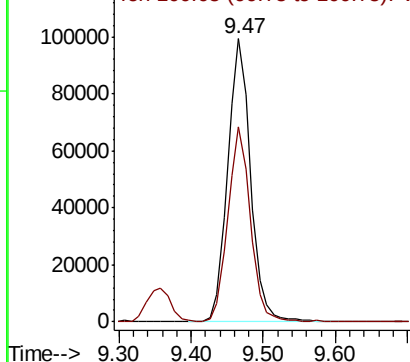
Tgt Ion	98	Resp	219678
Ion	Ratio	Lower	Upper
98	100		
100	68.9	55.8	83.6

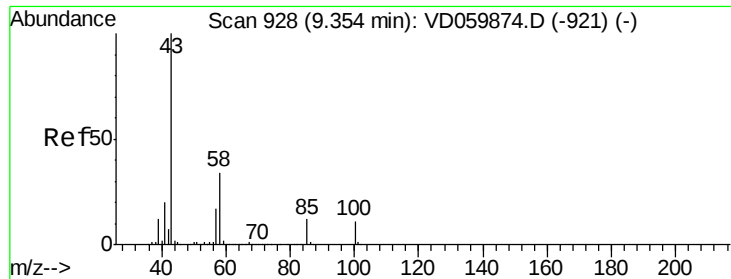


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 23.43 ug/l

RT: 9.36 min Scan# 928

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 277443

Ion Ratio Lower Upper

43 100

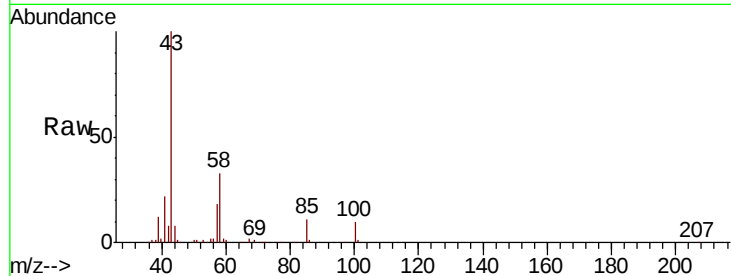
58 32.7 27.0 40.4

Manual Integrations

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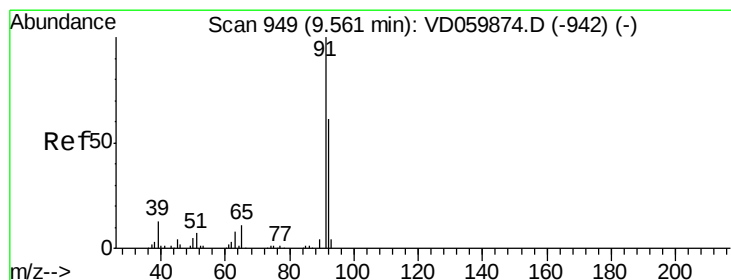
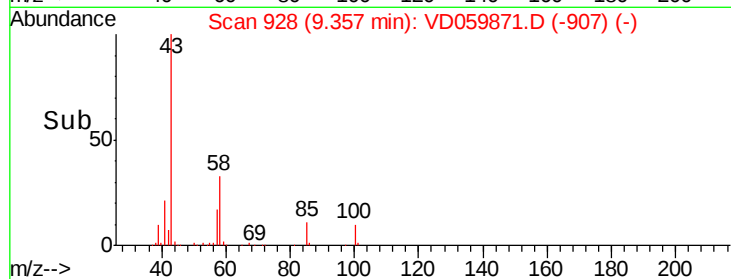
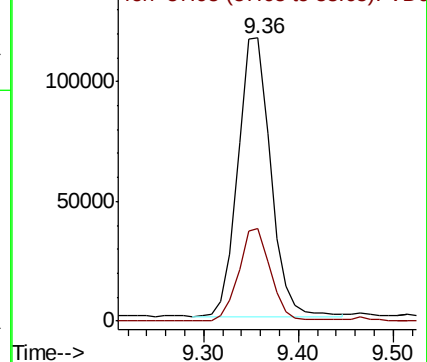
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.36 ug/l

RT: 9.56 min Scan# 949

Delta R.T. 0.00 min

Lab File: VD059871.D

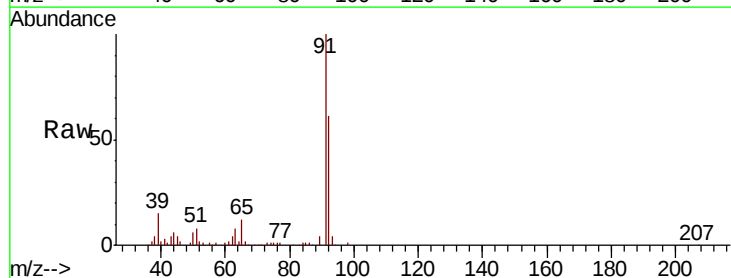
Acq: 22 Aug 2018 12:15

Tgt Ion: 92 Resp: 147905

Ion Ratio Lower Upper

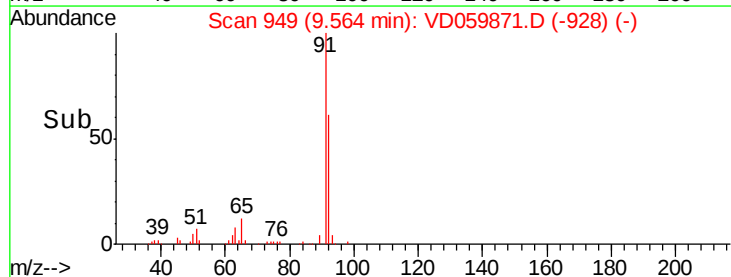
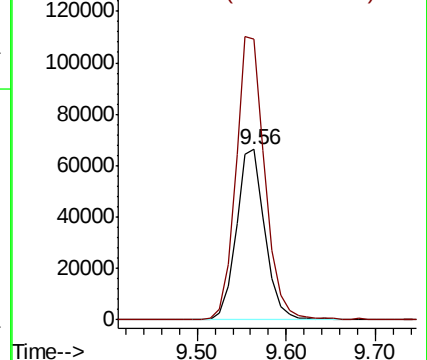
92 100

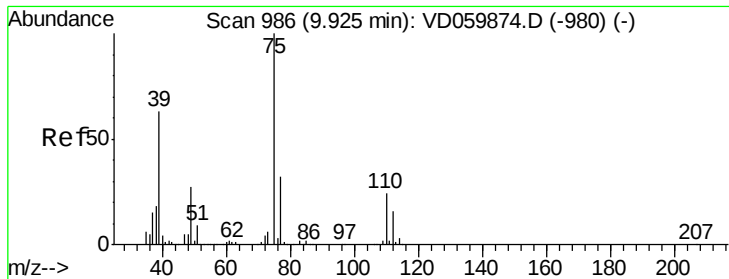
91 164.7 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





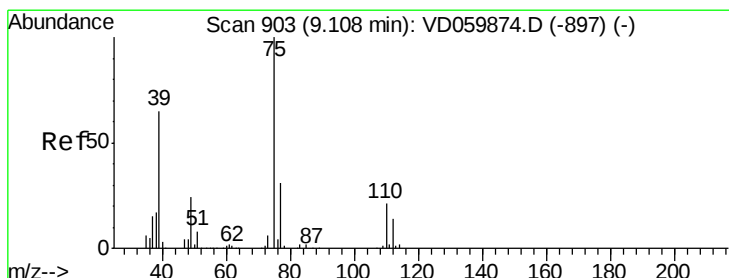
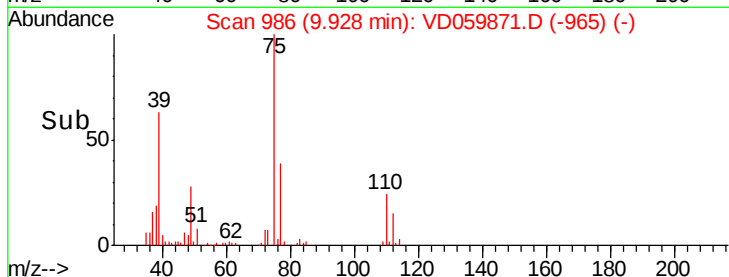
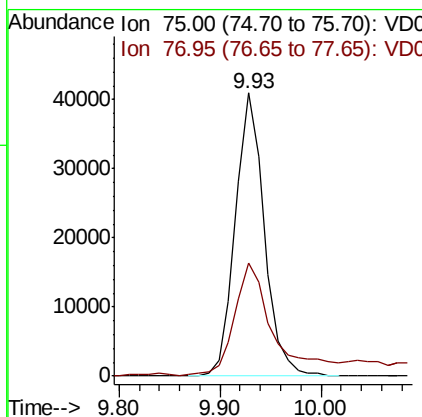
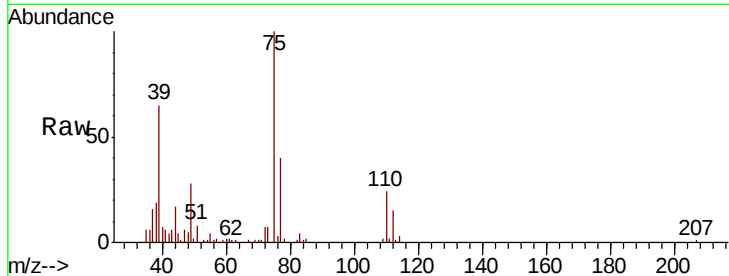
#53
 t-1,3-Dichloropropene
 Concen: 4.95 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 81494
 Ion Ratio Lower Upper
 75 100
 77 39.9 25.4 38.2#

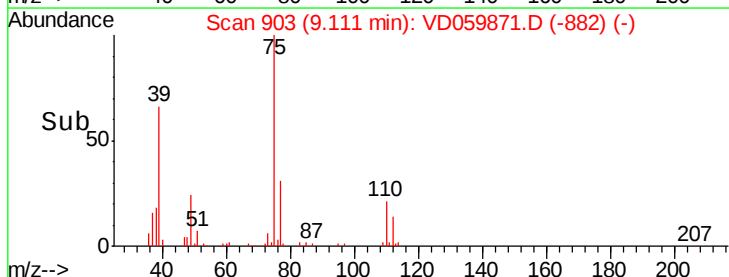
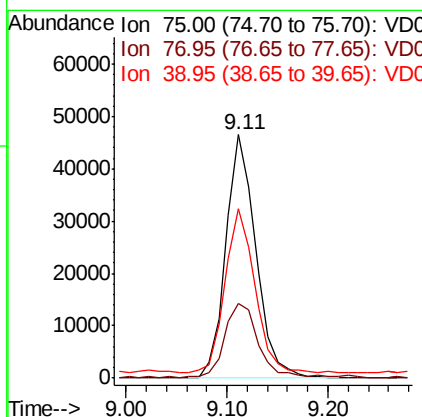
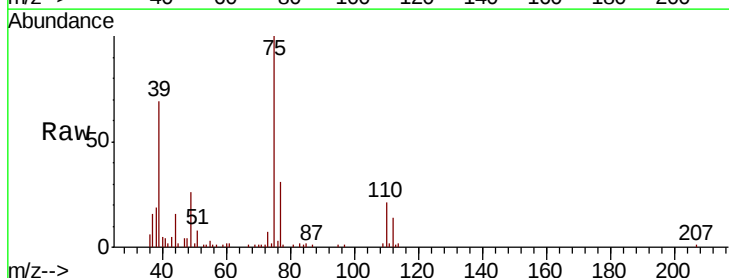
Manual Integrations
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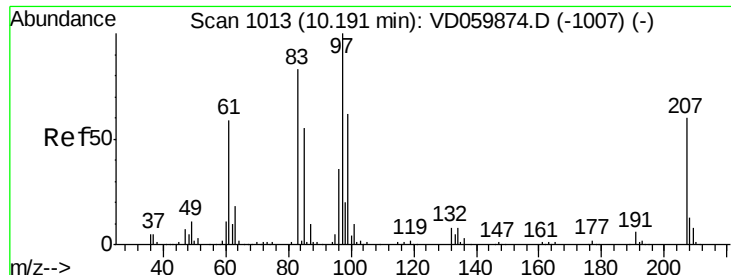
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#54
 cis-1,3-Dichloropropene
 Concen: 4.99 ug/l
 RT: 9.11 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 75 Resp: 96241
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 69.4 52.1 78.1





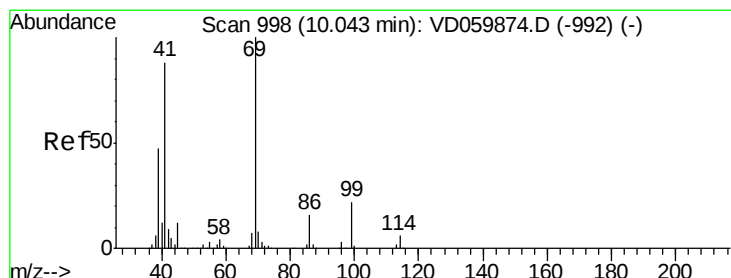
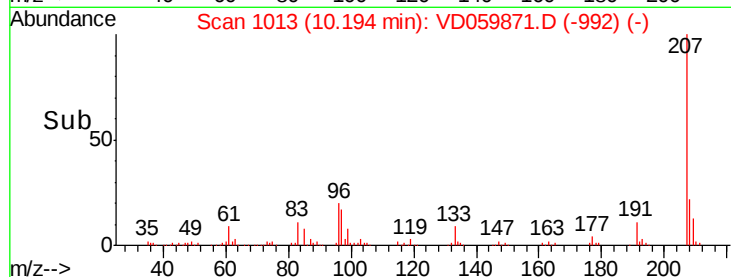
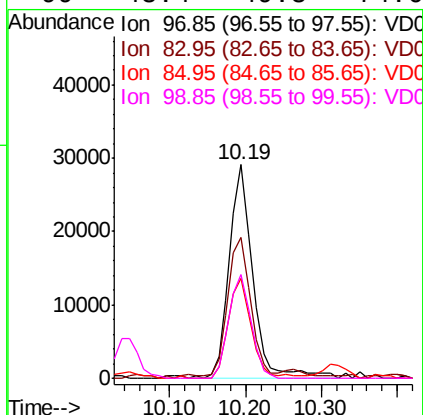
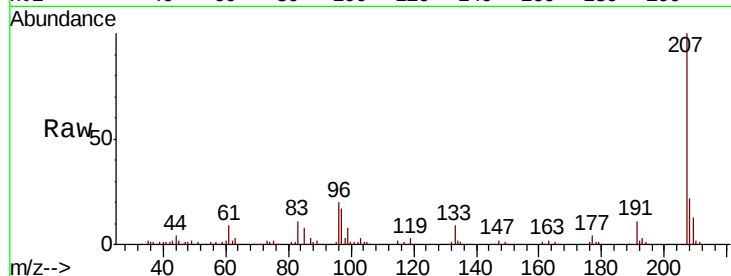
#55
 1,1,2-Trichloroethane
 Concen: 6.18 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	66.1	66.7	100.1#	
85	46.7	43.8	65.6	
99	48.4	49.8	74.6#	

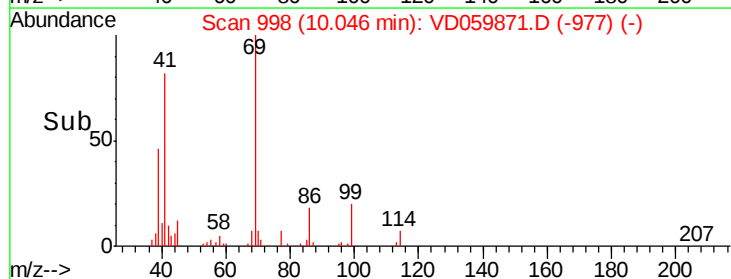
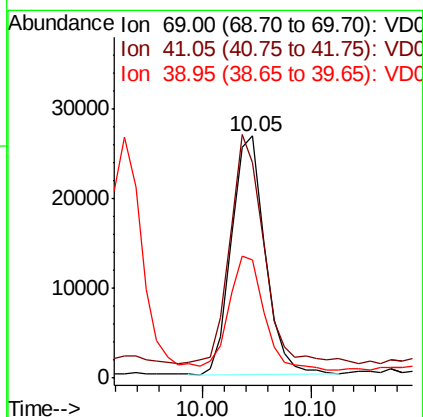
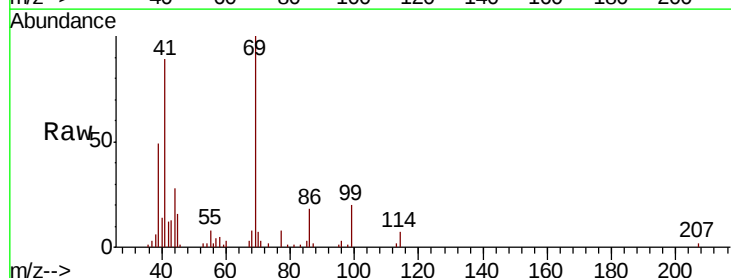
Manual Integrations
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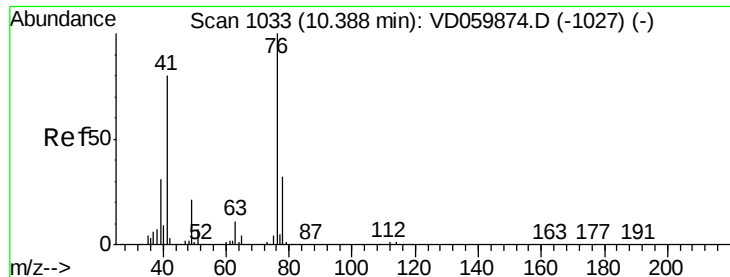
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#56
 Ethyl methacrylate
 Concen: 4.82 ug/l
 RT: 10.05 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	88.8	71.0	106.4	
39	48.8	38.5	57.7	





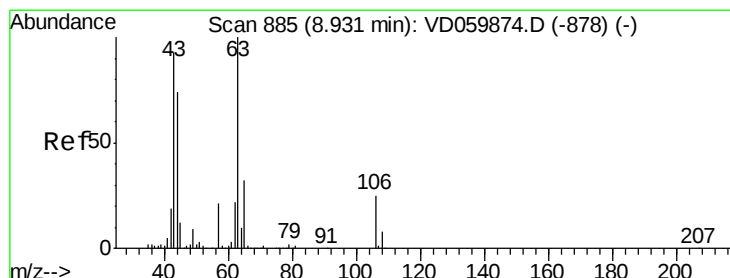
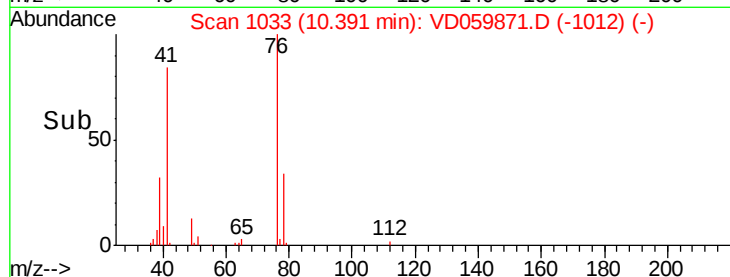
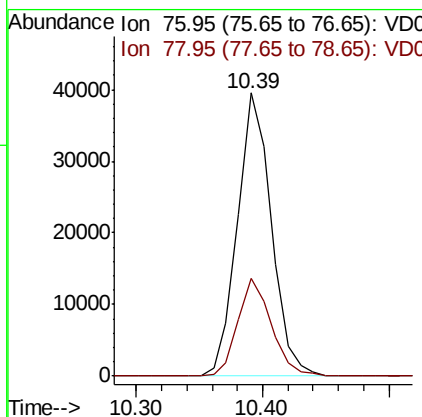
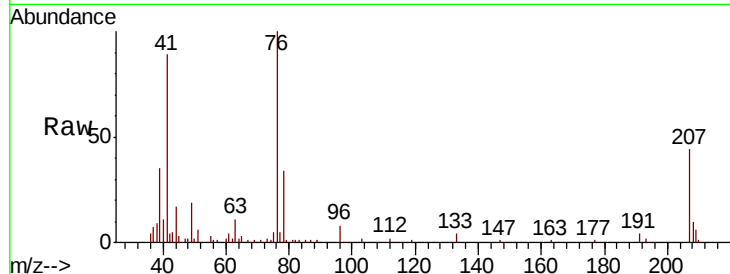
#57
 1,3-Dichloropropane
 Concen: 4.96 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 73490
 Ion Ratio Lower Upper
 76 100
 78 34.5 25.8 38.6

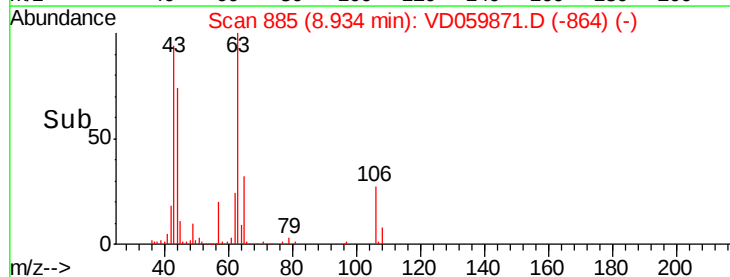
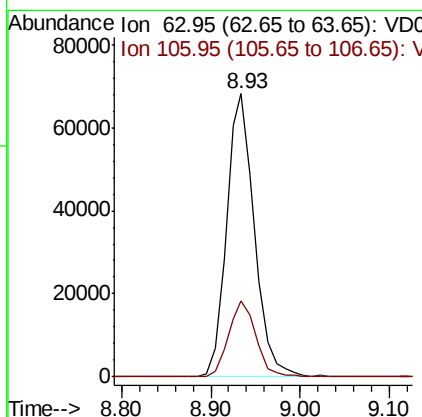
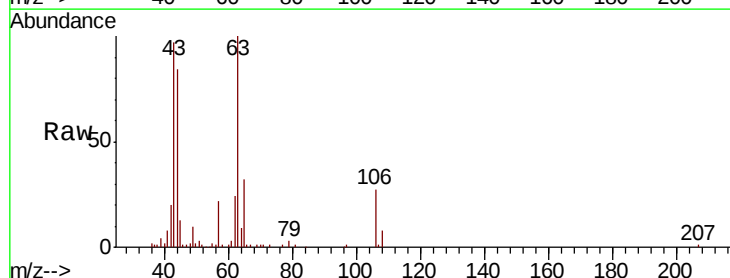
Manual Integrations
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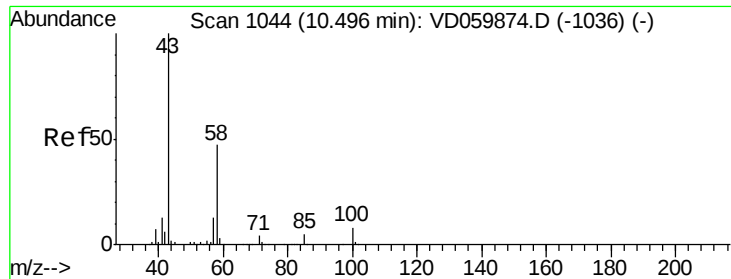
apatel
 8/23/2018 10:52:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.90 ug/l
 RT: 8.93 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 63 Resp: 148474
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.1 30.1





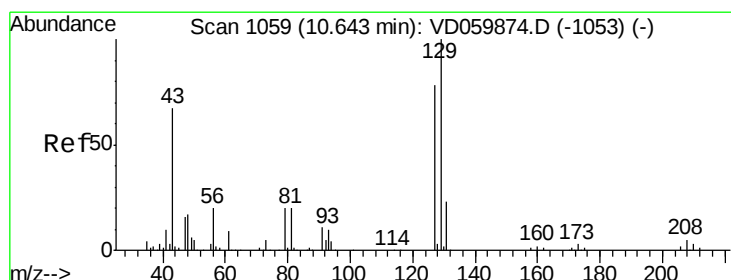
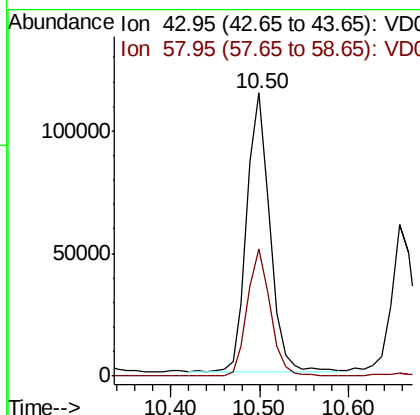
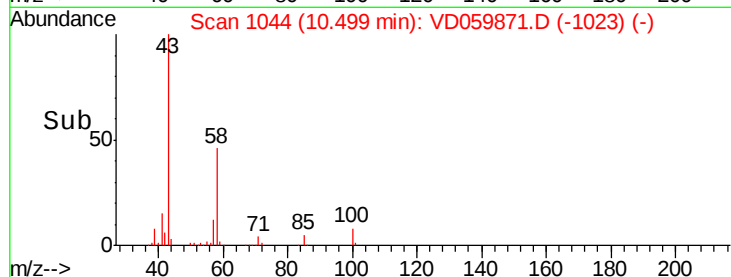
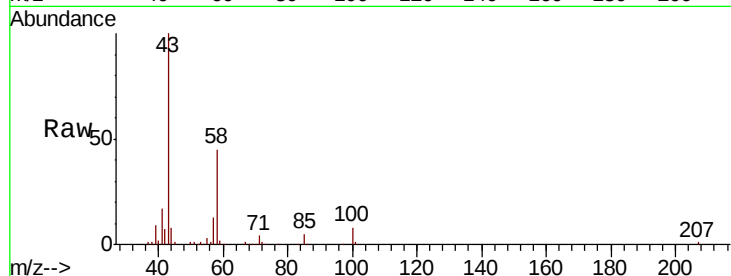
#59
2-Hexanone
Concen: 23.32 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 201822
Ion Ratio Lower Upper
43 100
58 45.0 23.3 69.8

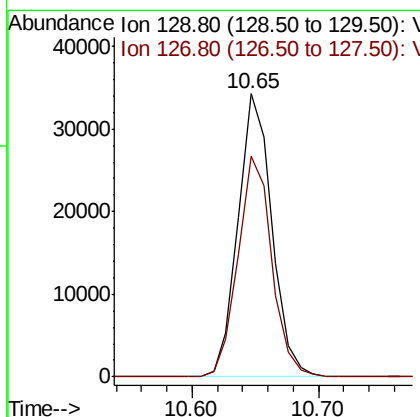
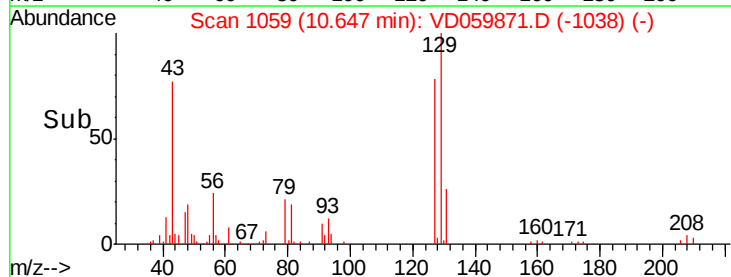
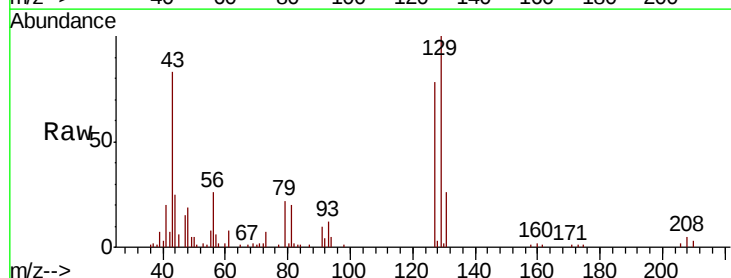
Manual Integrations
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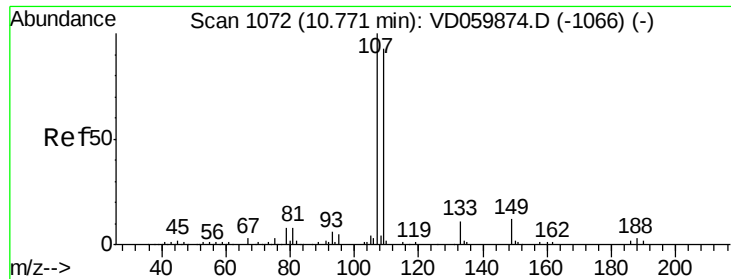
apatel
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#60
Dibromochloromethane
Concen: 4.87 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 129 Resp: 63457
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 4.73 ug/l

RT: 10.76 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 50037

Ion Ratio Lower Upper

107 100

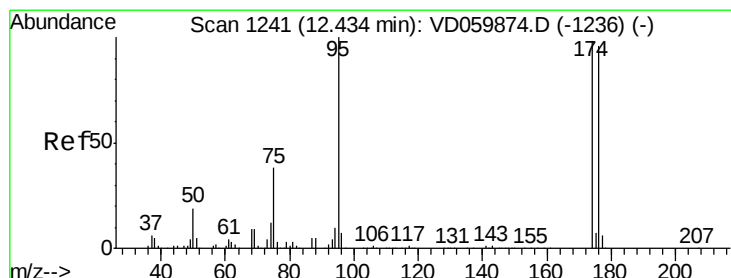
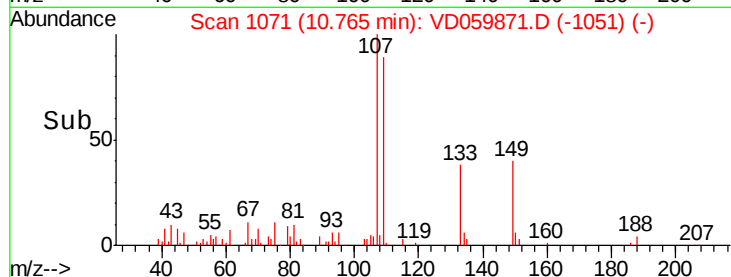
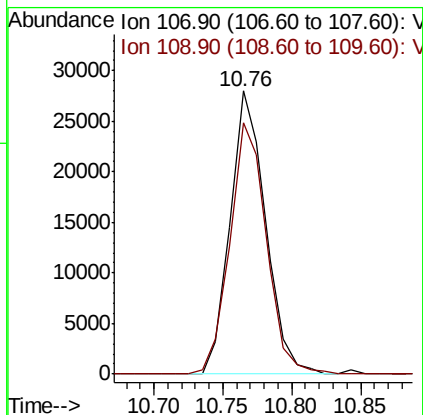
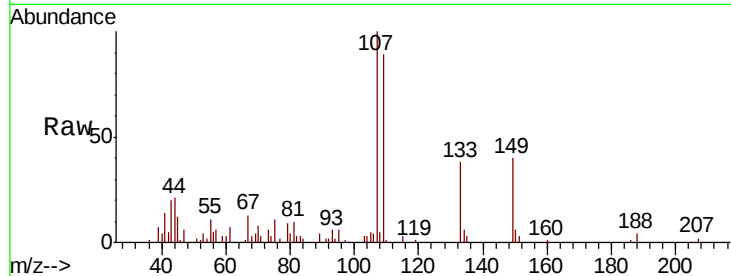
109 89.0 74.6 112.0

Manual Integrations

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apatel

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#62

4-Bromofluorobenzene

Concen: 4.73 ug/l

RT: 12.44 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

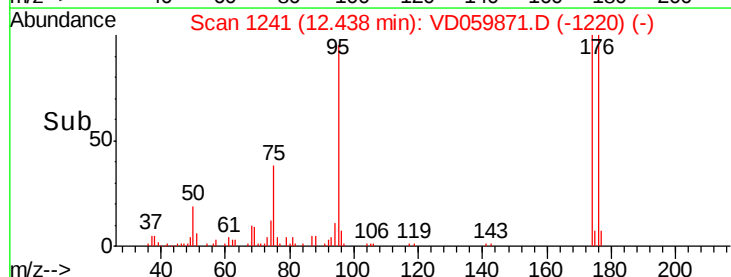
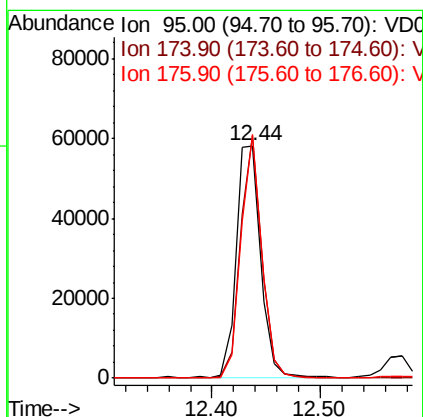
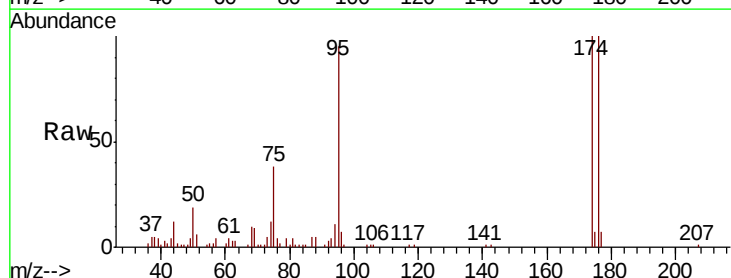
Tgt Ion: 95 Resp: 92136

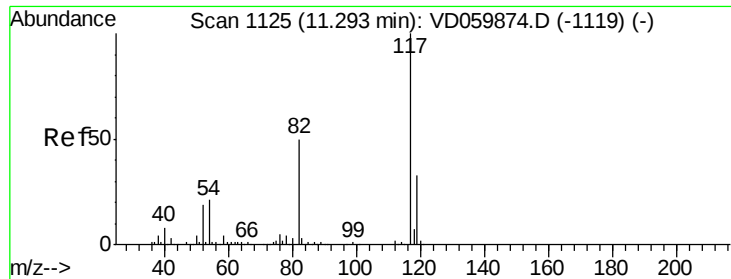
Ion Ratio Lower Upper

95 100

174 104.4 0.0 195.6

176 104.7 0.0 191.2





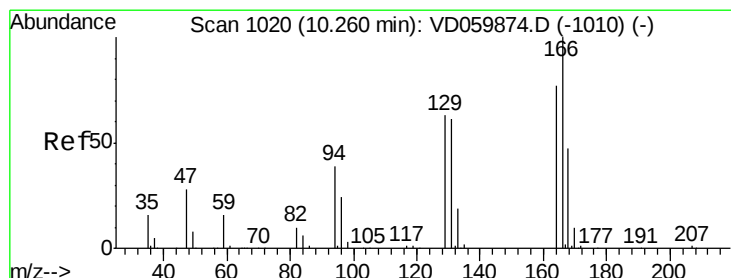
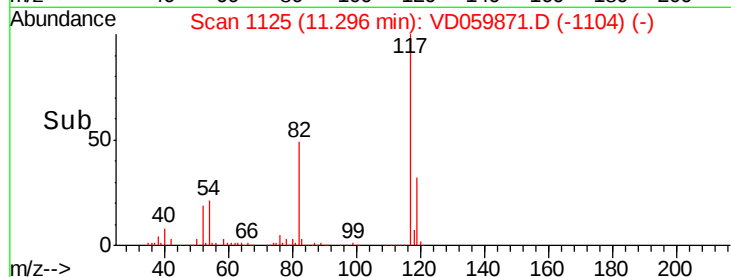
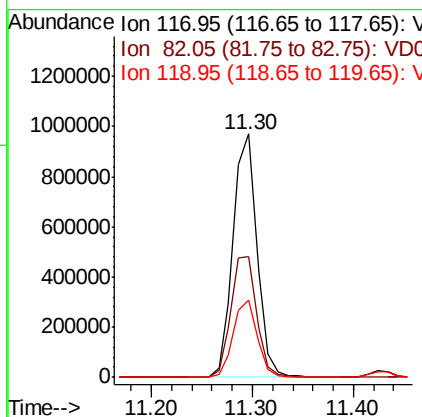
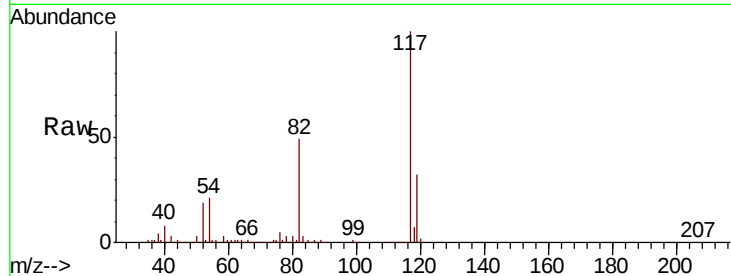
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	40.1	60.1
119	31.8	26.7	40.1

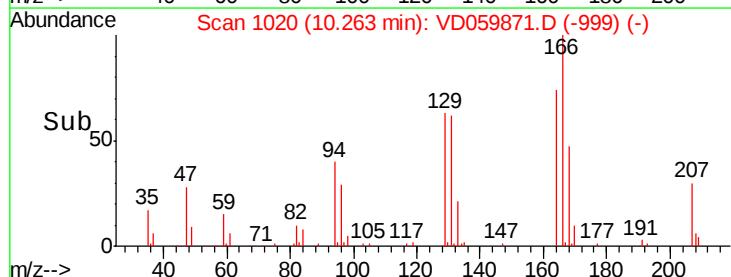
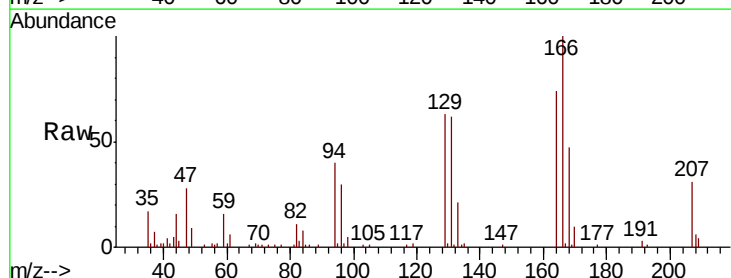
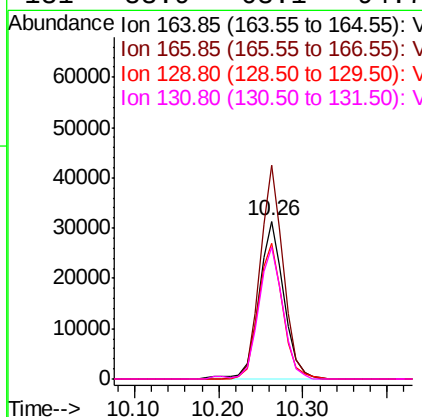
Manual Integrations
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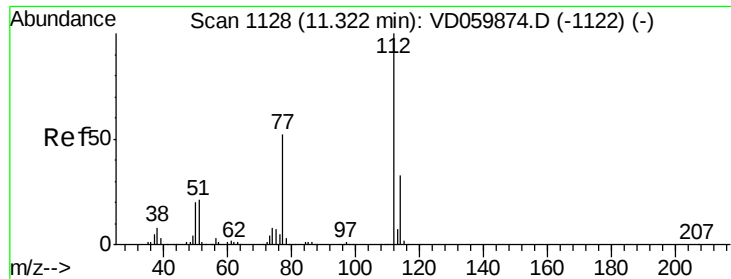
apatel
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#64
Tetrachloroethene
Concen: 5.45 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.6	103.4	155.2
129	85.8	65.2	97.8
131	83.9	63.1	94.7





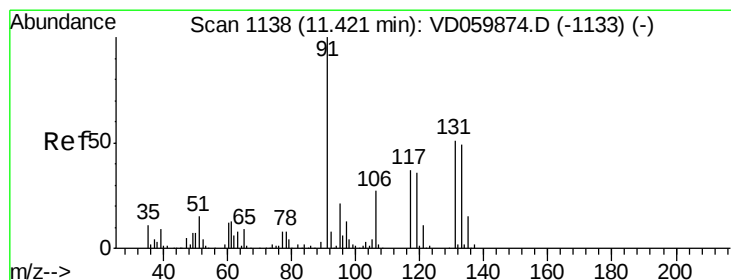
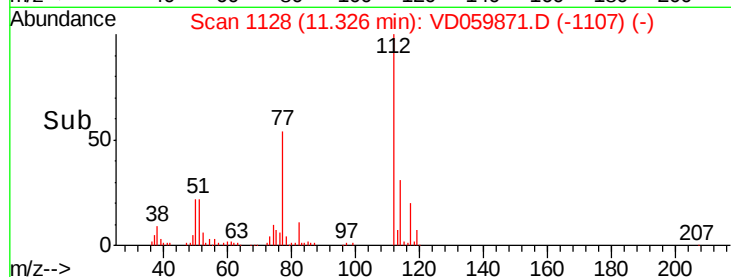
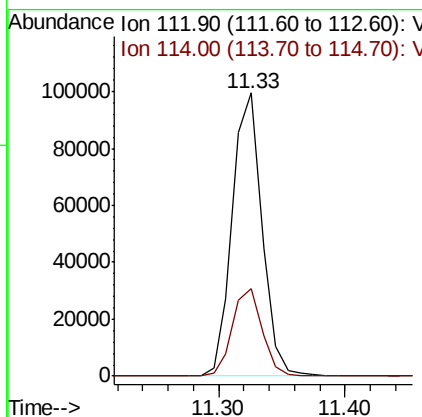
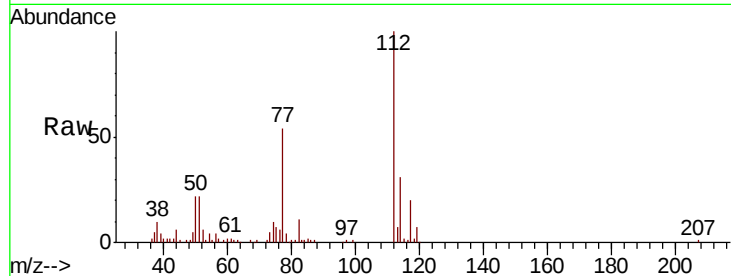
#65
Chlorobenzene
Concen: 5.24 ug/l
RT: 11.33 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.4	39.6

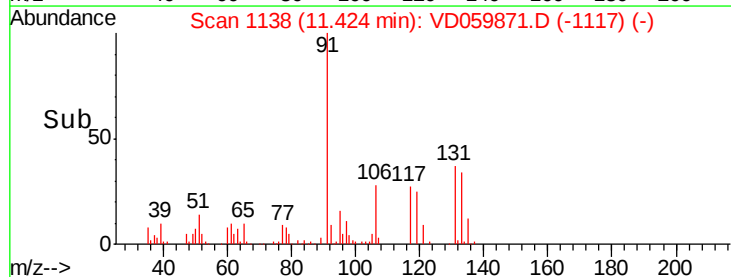
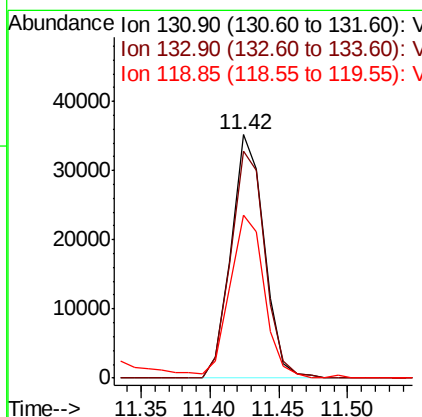
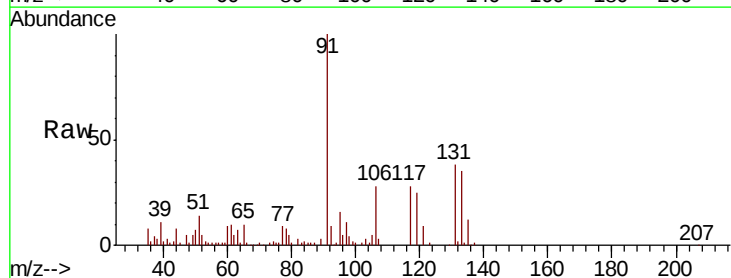
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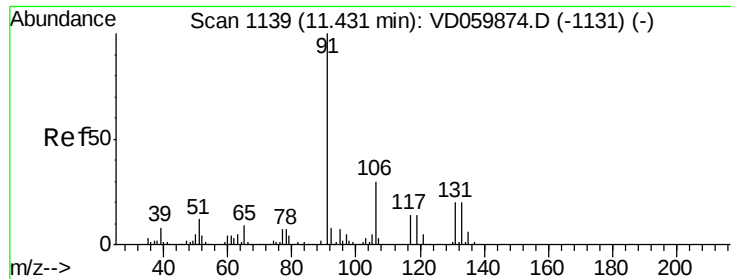
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.37 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.3	144.8
119	67.0	35.4	106.3





#67

Ethyl Benzene

Concen: 5.70 ug/l

RT: 11.43 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC005

Tot Ion: 91 Resp: 283908

Ion Ratio Lower Upper

91 100

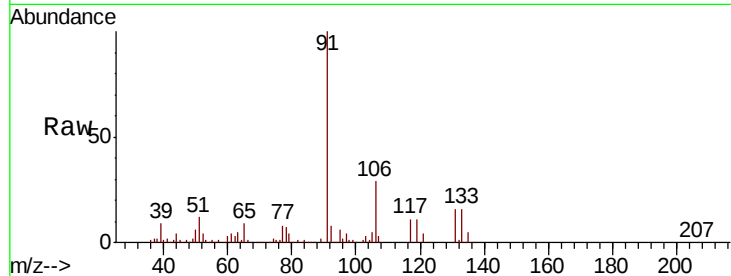
106 29.2 23.8 35.8

Manual Integrations

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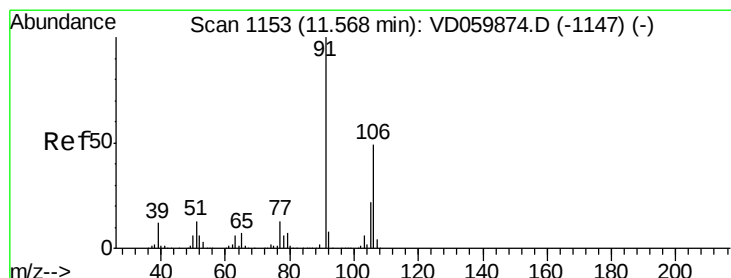
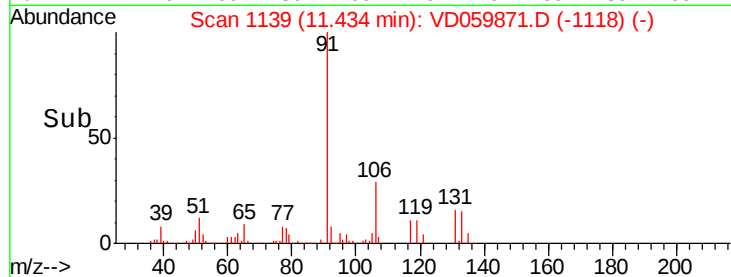
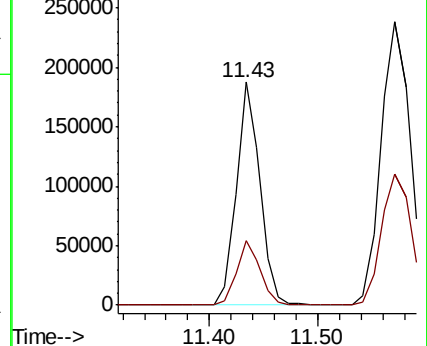
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 11.82 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VD059871.D

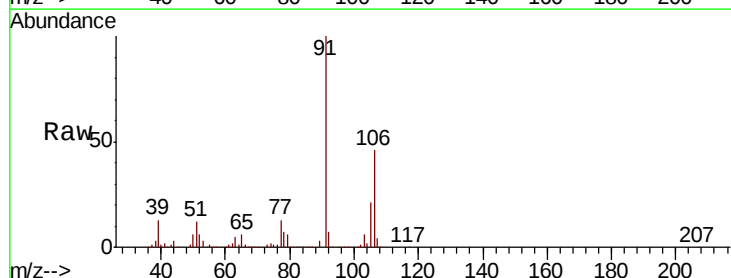
Acq: 22 Aug 2018 12:15

Tgt Ion: 106 Resp: 212286

Ion Ratio Lower Upper

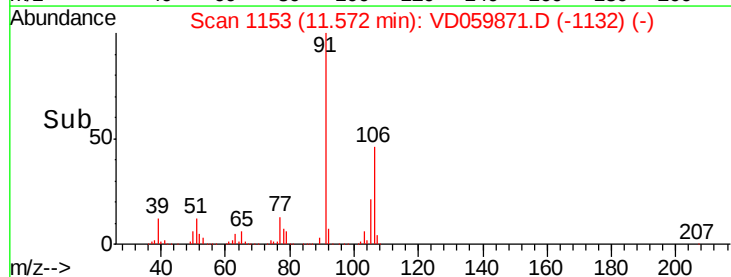
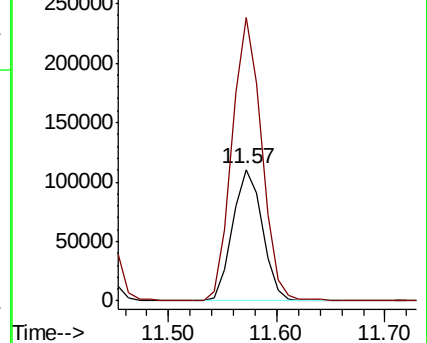
106 100

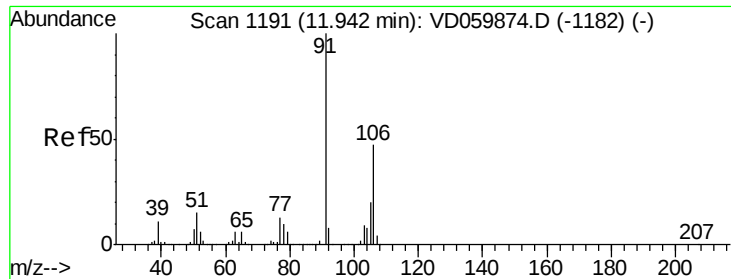
91 215.8 162.0 243.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC





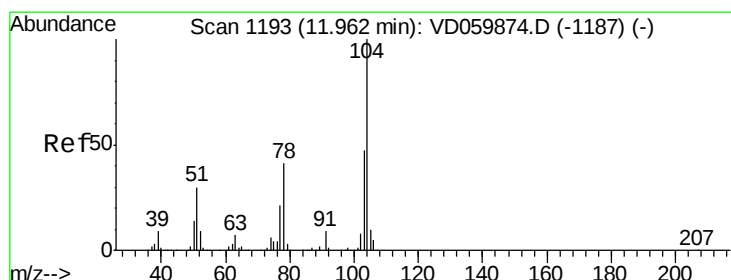
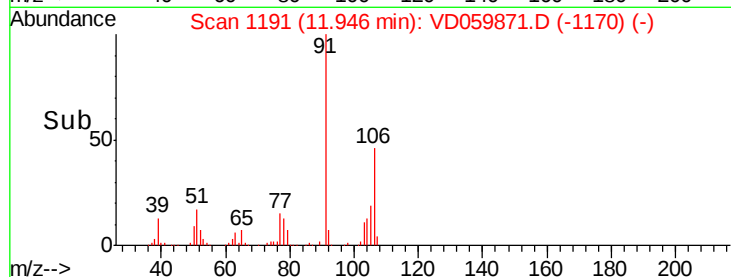
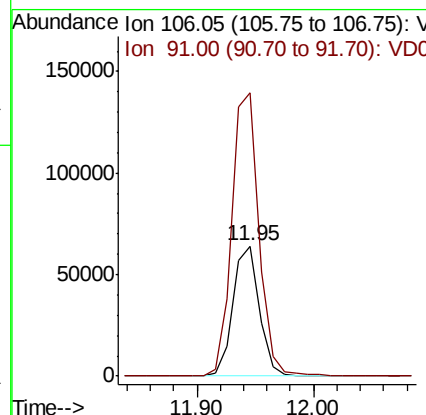
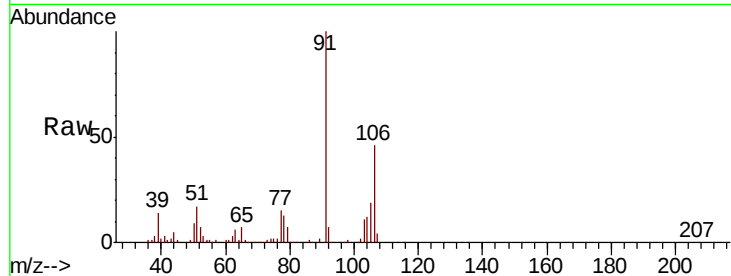
#69
o-Xylene
Concen: 5.70 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
106	100	100547		
91	217.4	107.3	322.0	

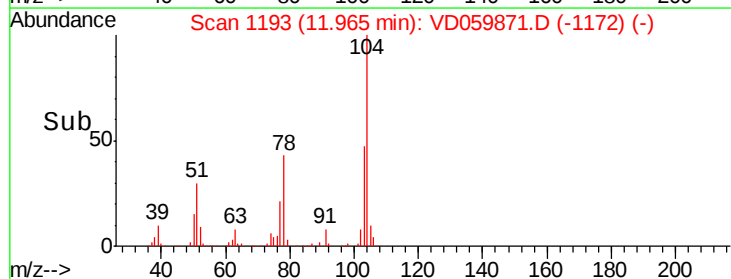
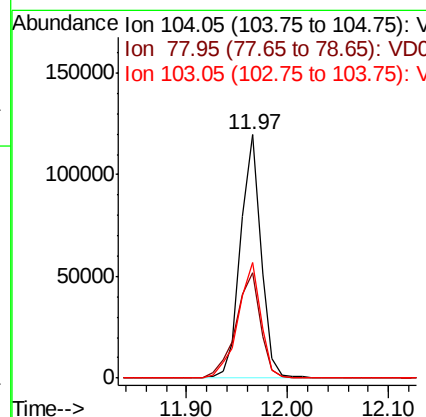
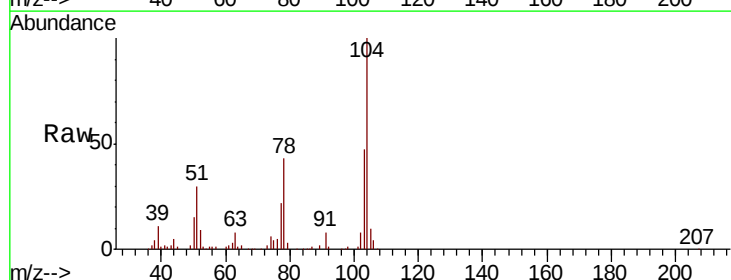
Manual Integrations
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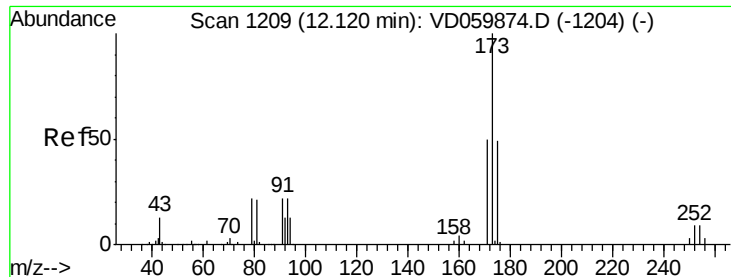
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#70
Styrene
Concen: 5.45 ug/l
RT: 11.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	167883		
78	43.3	32.6	49.0	
103	47.5	37.7	56.5	





#71

Bromoform

Concen: 4.72 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

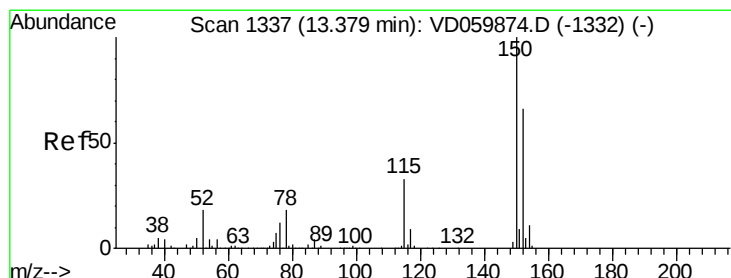
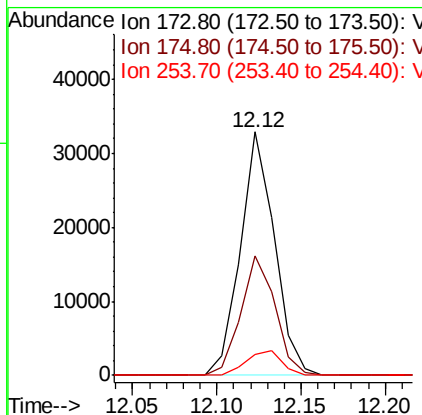
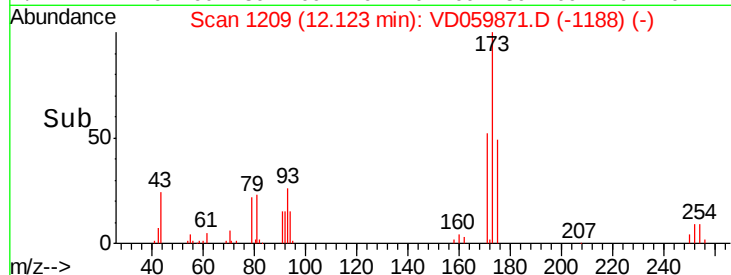
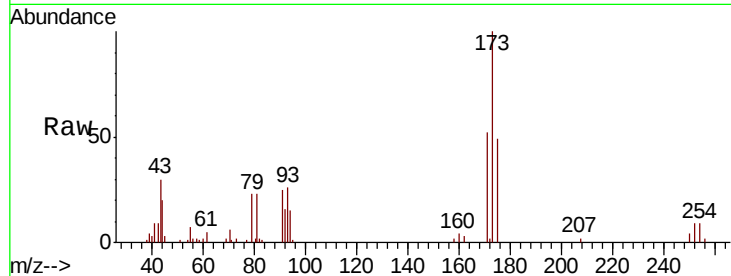
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	73.0
254	8.7	7.0	10.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

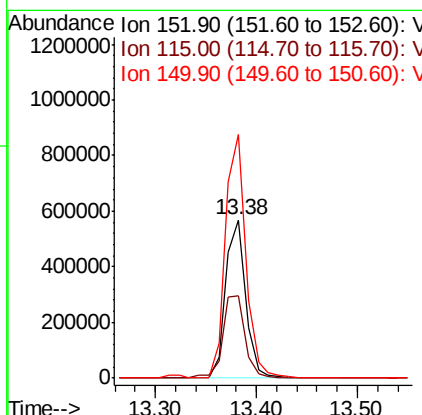
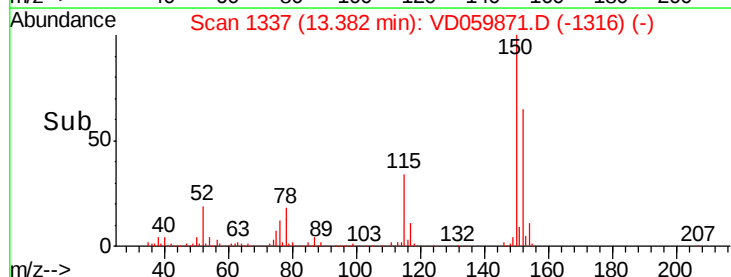
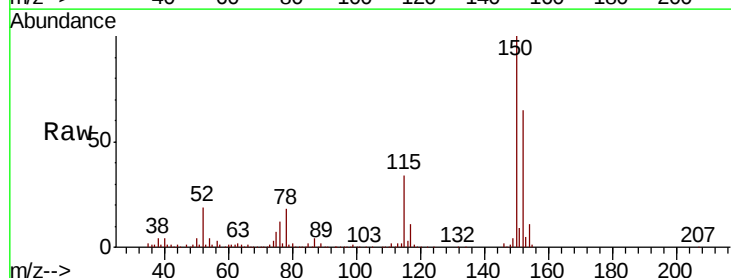
RT: 13.38 min Scan# 1337

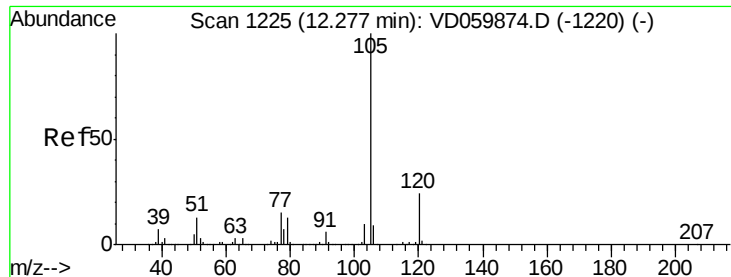
Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	25.7	77.0
150	153.9	0.0	310.2





#73

Isopropylbenzene

Concen: 5.29 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 269071

Ion Ratio Lower Upper

105 100

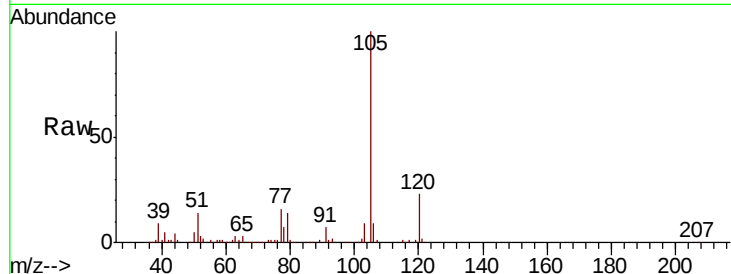
120 23.5 11.8 35.4

Manual Integrations

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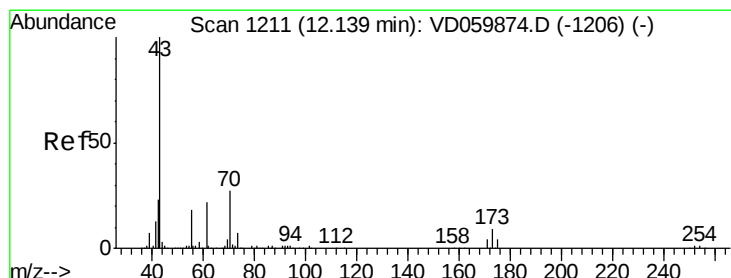
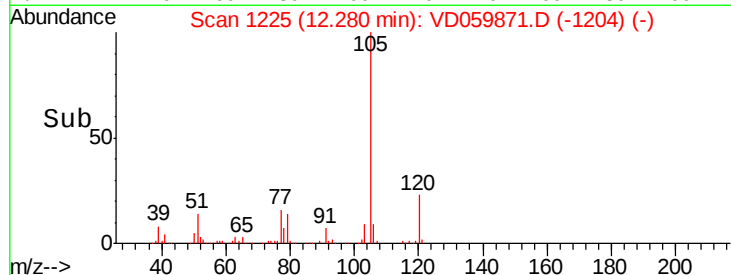
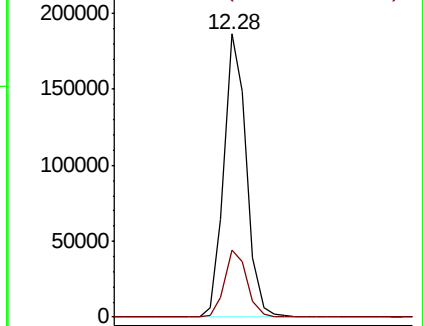
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.88 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion: 43 Resp: 112550

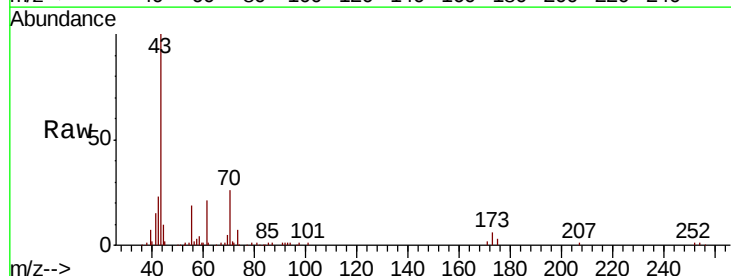
Ion Ratio Lower Upper

43 100

70 25.5 21.4 32.2

55 18.8 14.1 21.1

61 21.4 17.8 26.8

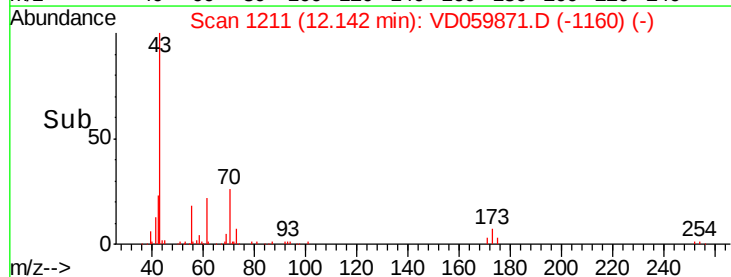
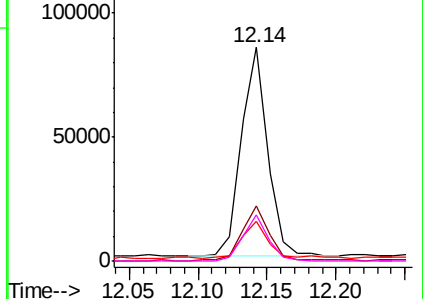


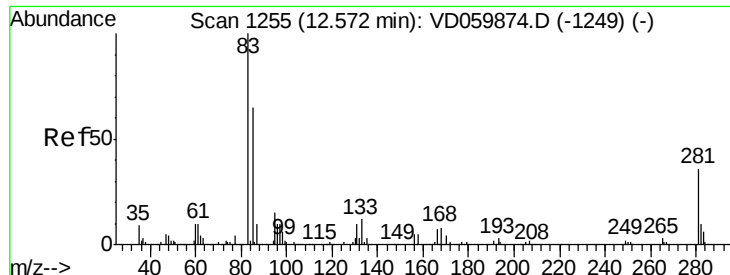
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 5.13 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 62030

Ion Ratio Lower Upper

83 100

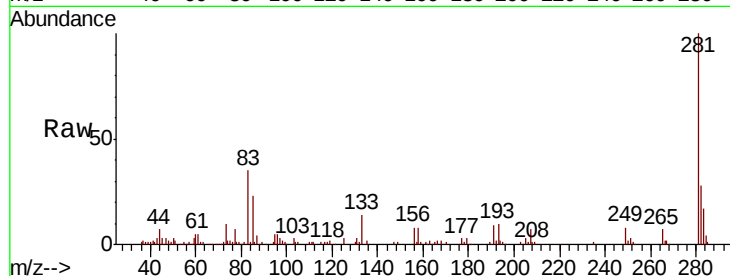
131 9.1 4.8 14.4

85 65.4 32.6 97.8

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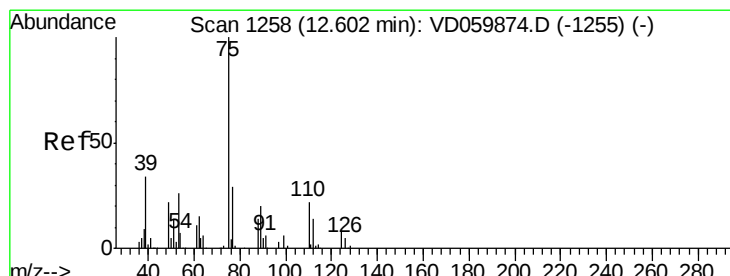
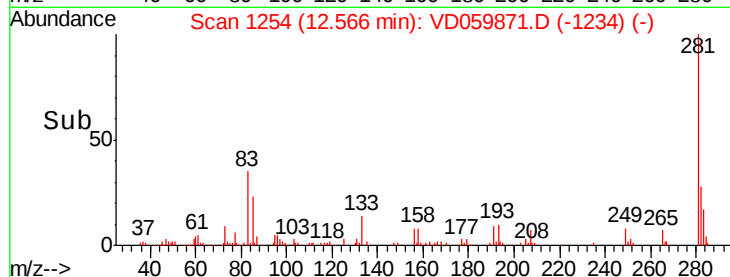
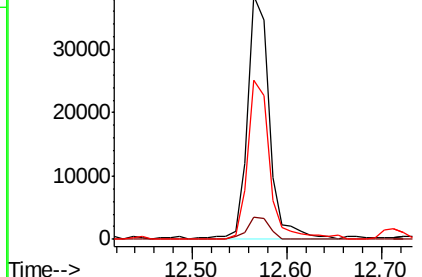
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 4.98 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059871.D

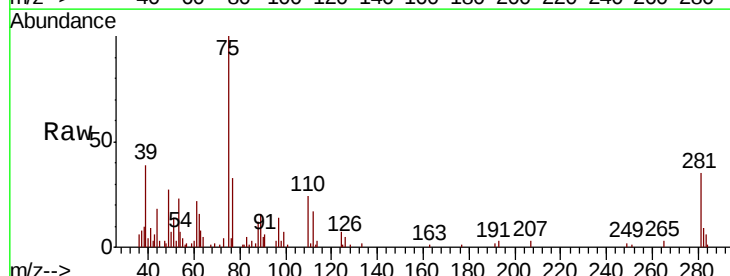
Acq: 22 Aug 2018 12:15

Tgt Ion: 75 Resp: 62691

Ion Ratio Lower Upper

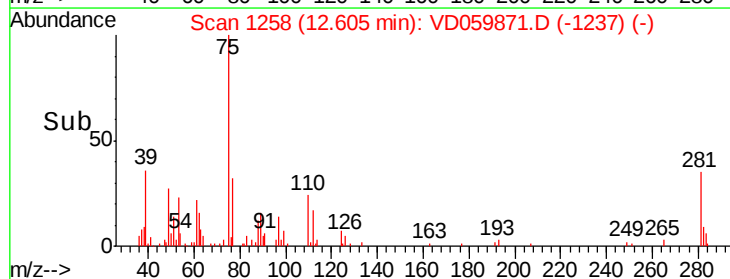
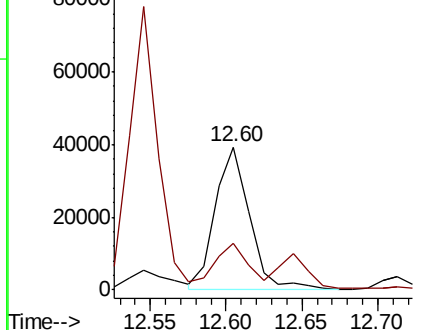
75 100

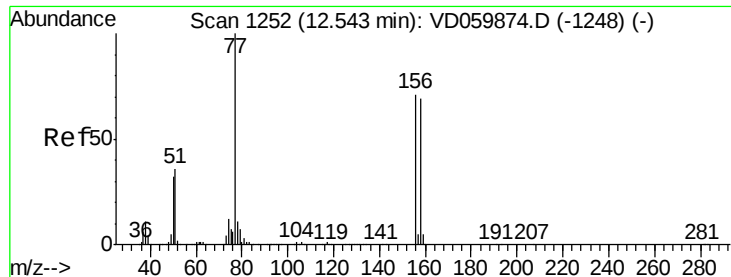
77 32.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





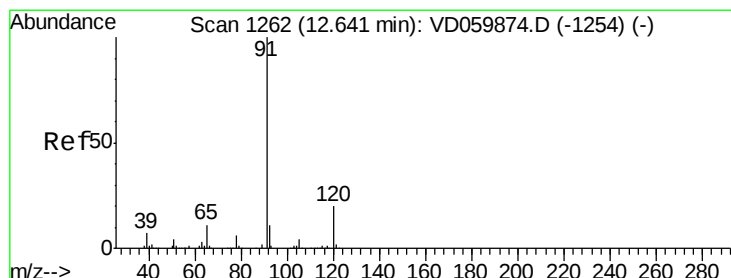
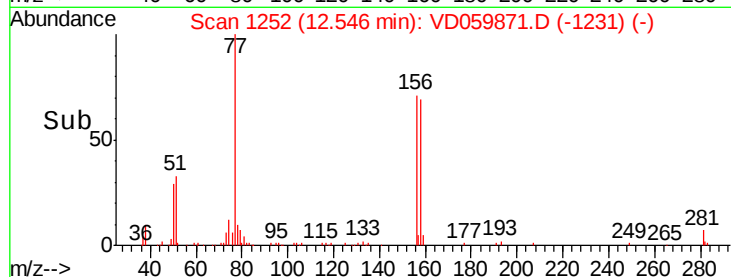
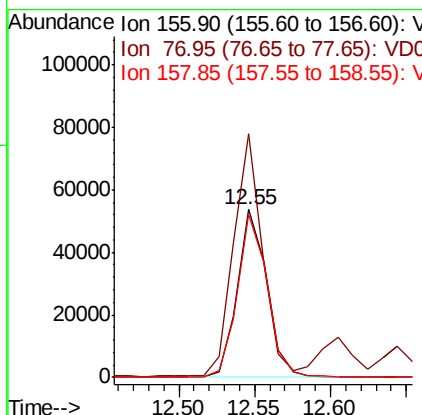
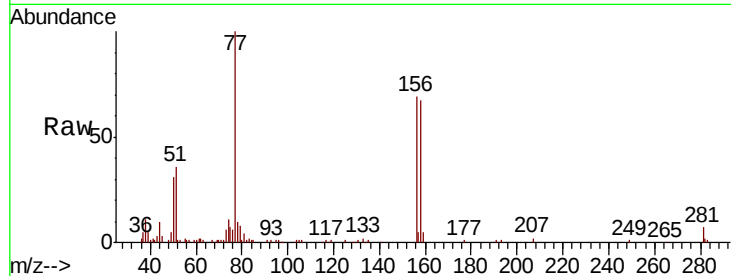
#77
Bromobenzene
Concen: 5.11 ug/l
RT: 12.55 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.4	70.2	210.4
158	97.1	48.4	145.2

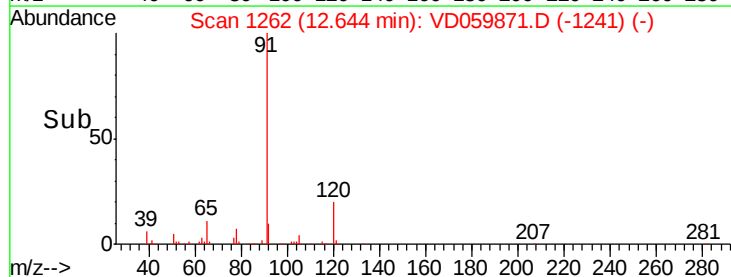
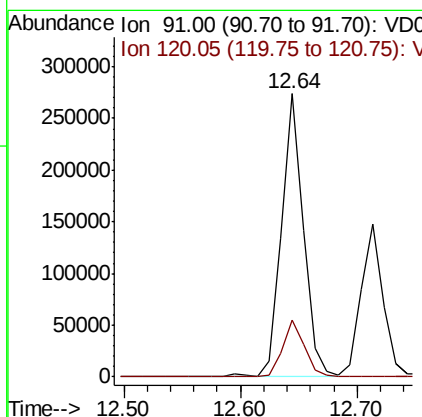
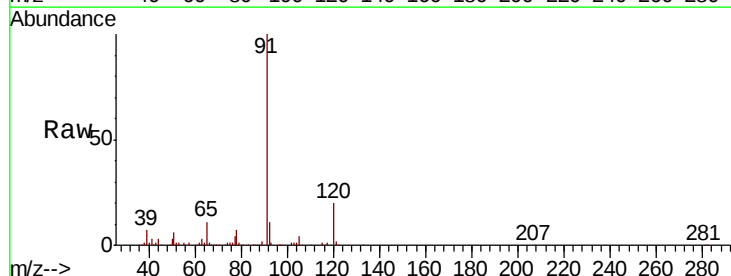
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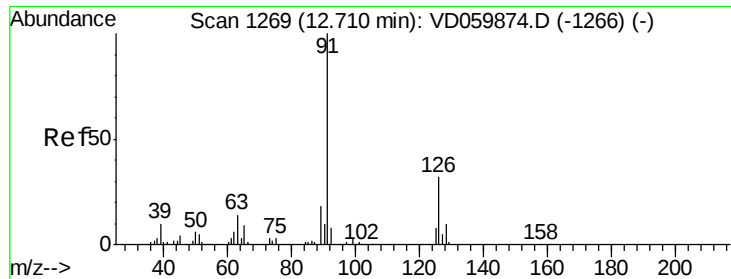
apatel
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#78
n-propylbenzene
Concen: 5.68 ug/l
RT: 12.64 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.9	10.1	30.3





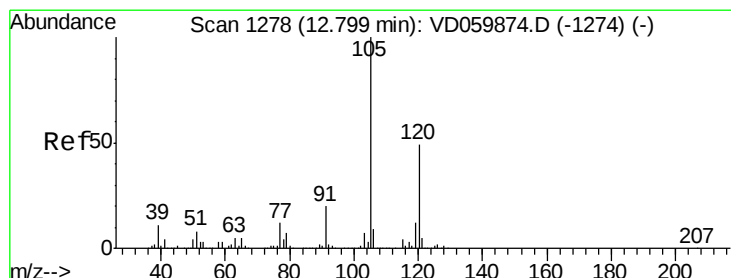
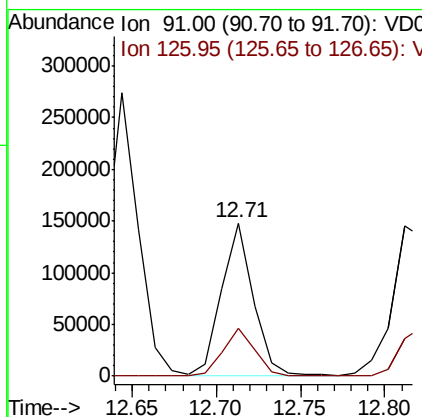
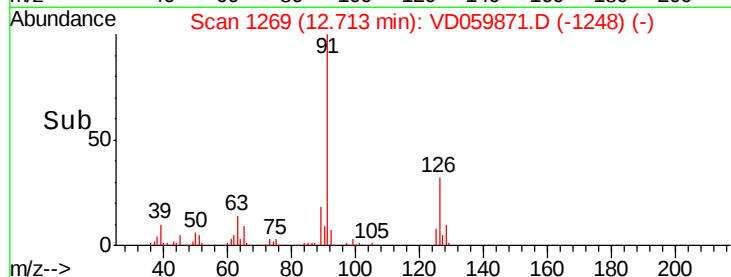
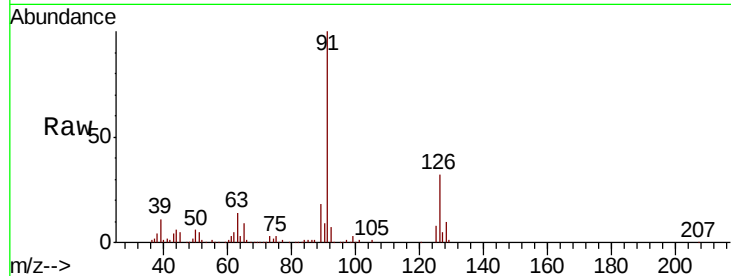
#79
2-Chlorotoluene
Concen: 5.32 ug/l
RT: 12.71 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 193350
Ion Ratio Lower Upper
91 100
126 31.6 16.1 48.2

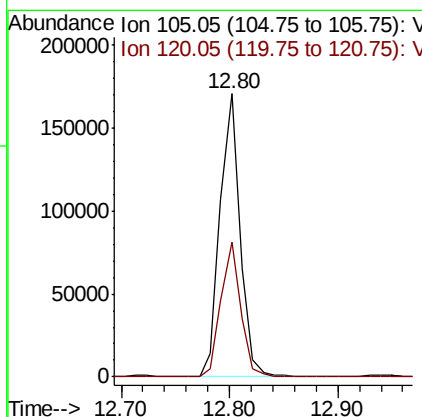
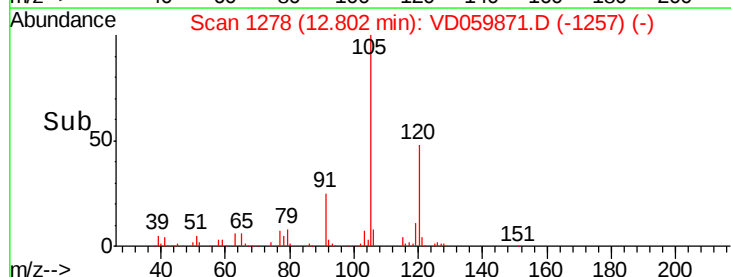
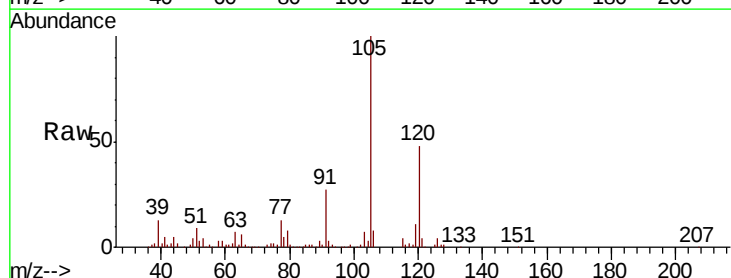
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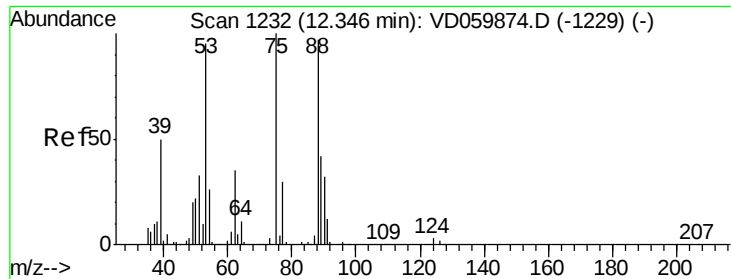
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 5.79 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 105 Resp: 218401
Ion Ratio Lower Upper
105 100
120 47.6 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 4.71 ug/l

RT: 12.35 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 18528

Ion Ratio Lower Upper

75 100

53 90.1 75.8 113.6

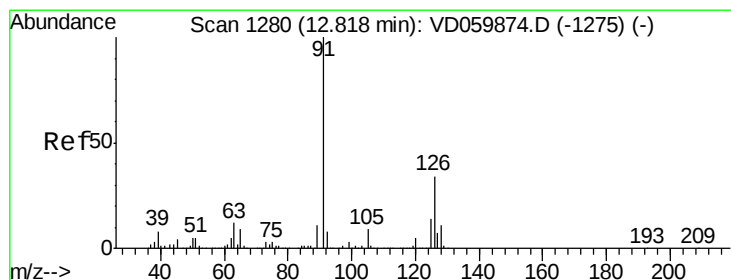
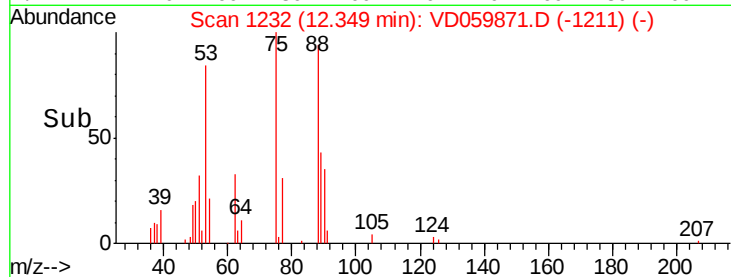
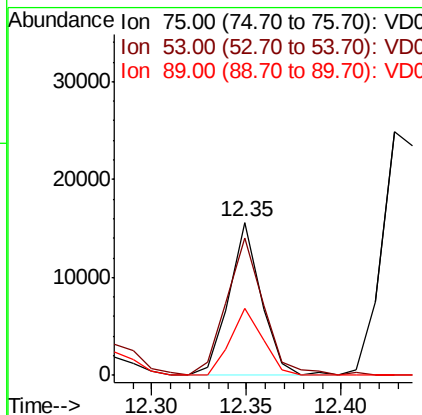
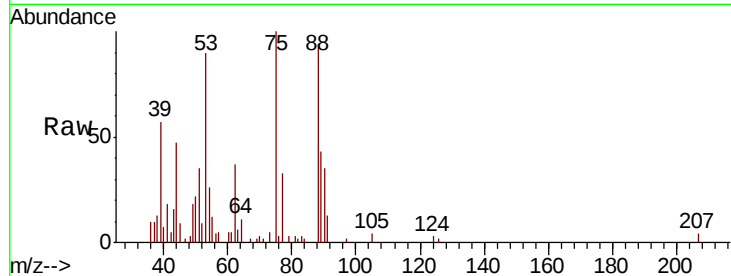
89 43.3 33.6 50.4

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#82

4-Chlorotoluene

Concen: 6.11 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD059871.D

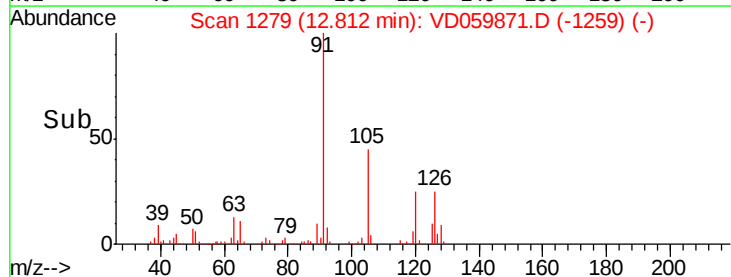
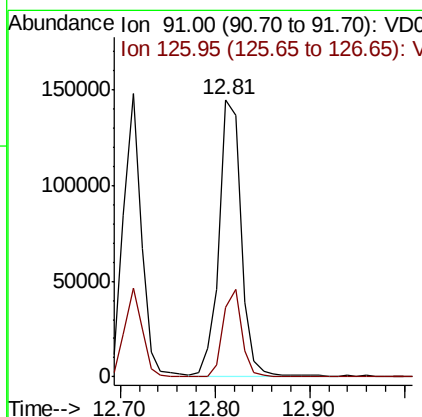
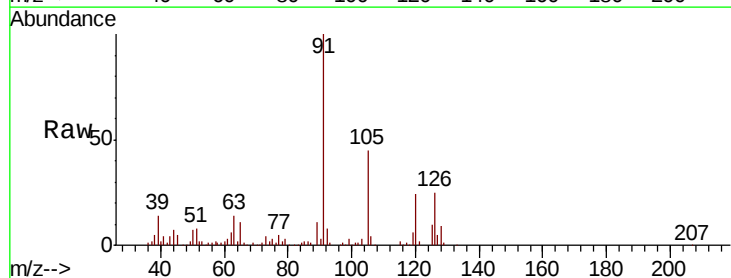
Acq: 22 Aug 2018 12:15

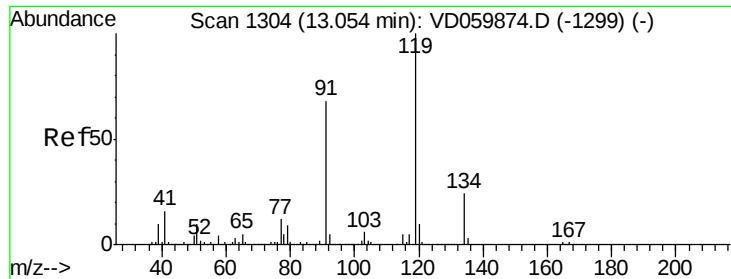
Tgt Ion: 91 Resp: 232498

Ion Ratio Lower Upper

91 100

126 25.2 17.1 51.2





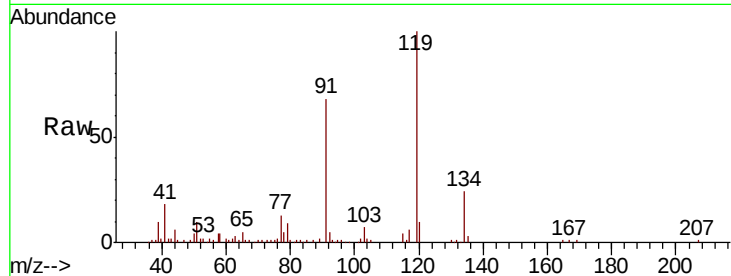
#83
 tert-Butylbenzene
 Concen: 5.38 ug/l
 RT: 13.06 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

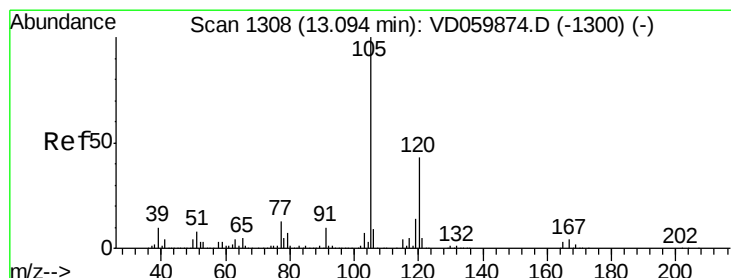
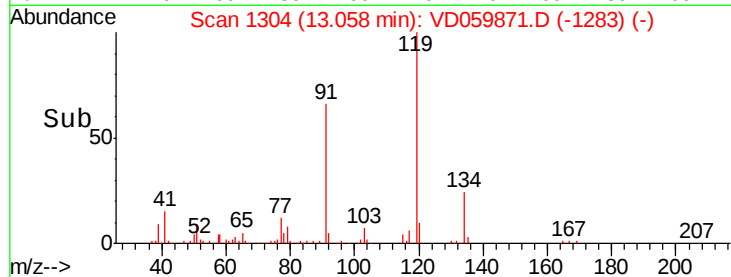
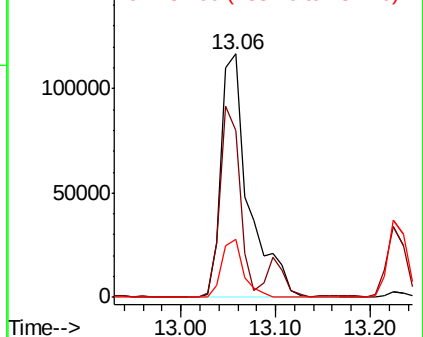
Tot Ion	Ratio	Resp	Lower	Upper
119	100	236783		
91	68.4		34.3	102.9
134	23.9		11.9	35.9

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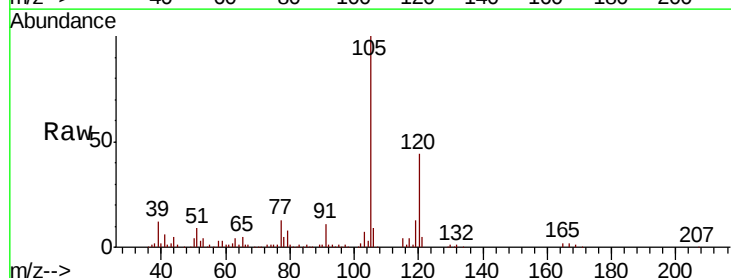


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

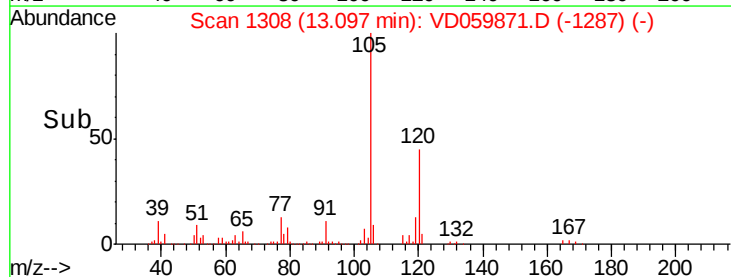
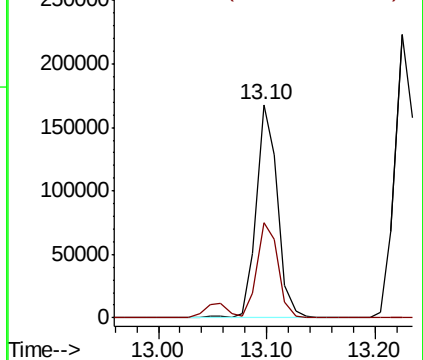


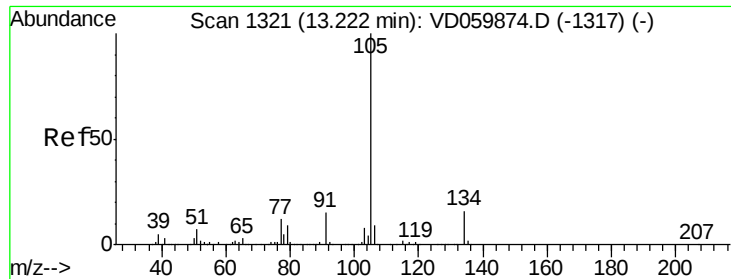
#84
 1,2,4-Trimethylbenzene
 Concen: 5.51 ug/l
 RT: 13.10 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229351		
120	44.4		21.8	65.3



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





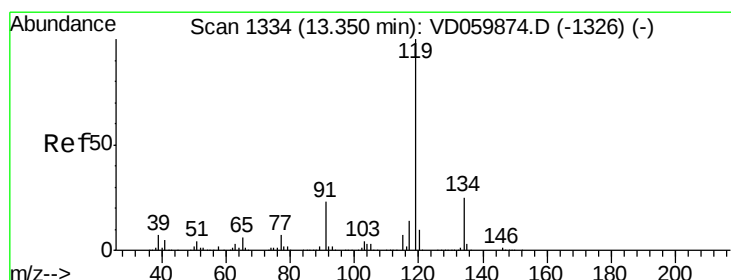
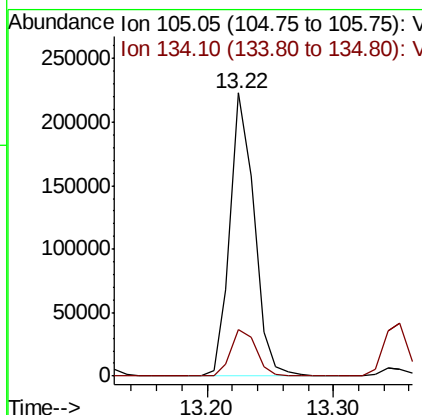
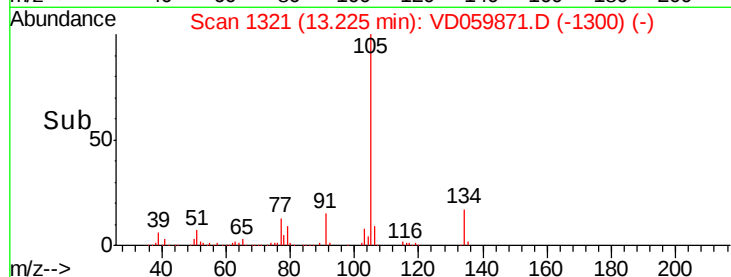
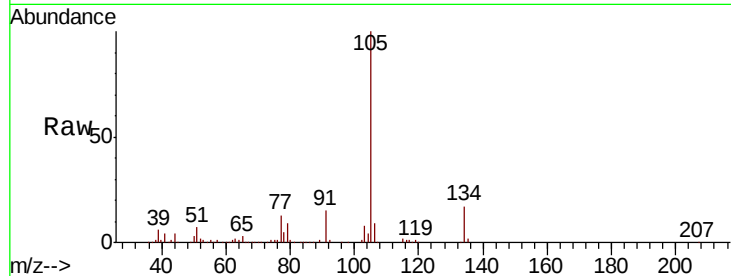
#85
 sec-Butylbenzene
 Concen: 5.49 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.5	8.2	24.4

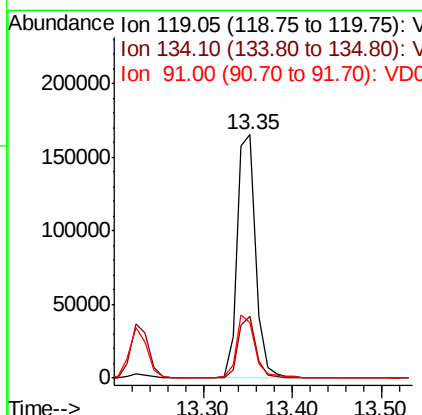
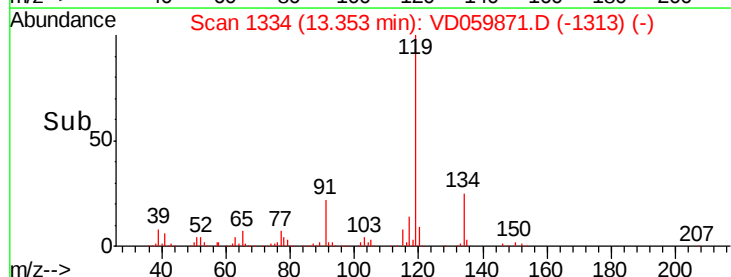
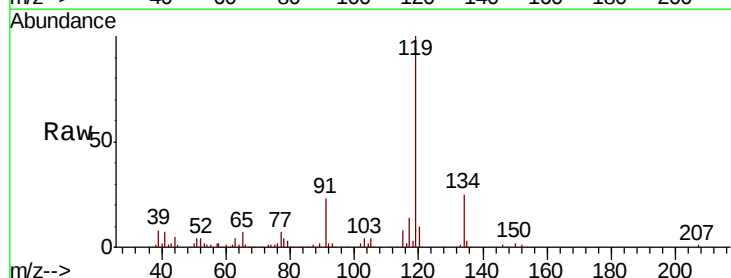
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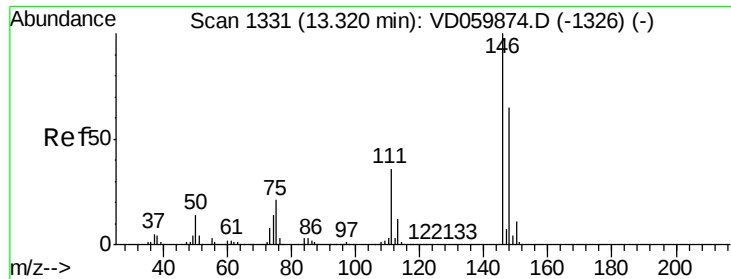
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#86
 p-Isopropyltoluene
 Concen: 5.60 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.1
91	22.6	11.7	35.0





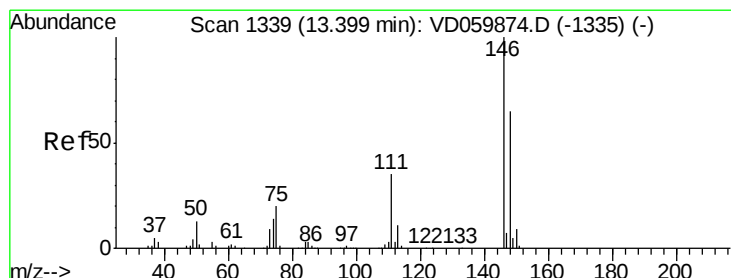
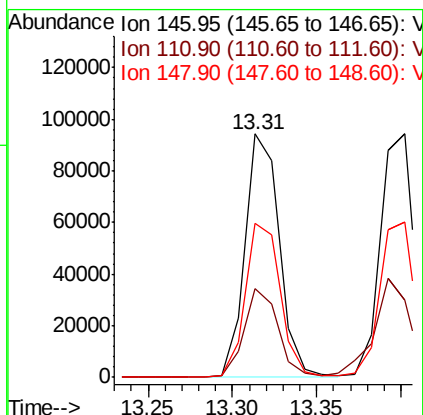
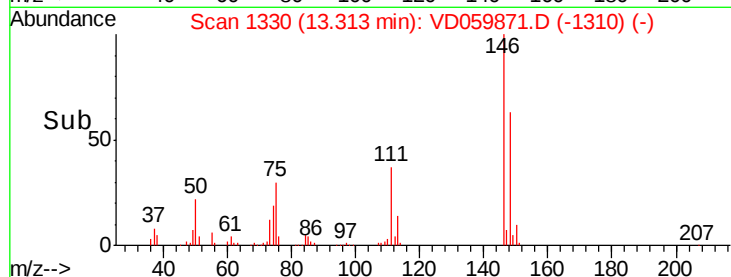
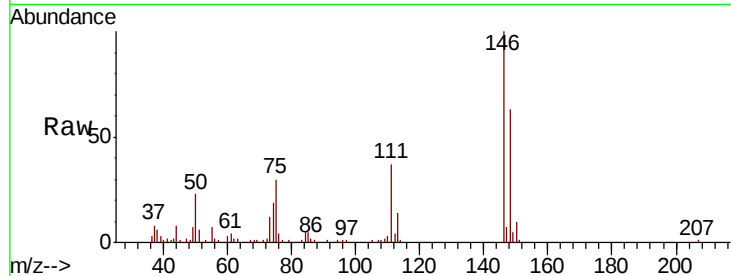
#87
 1,3-Dichlorobenzene
 Concen: 5.37 ug/l
 RT: 13.31 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.9	53.7
148	63.5	32.4	97.0

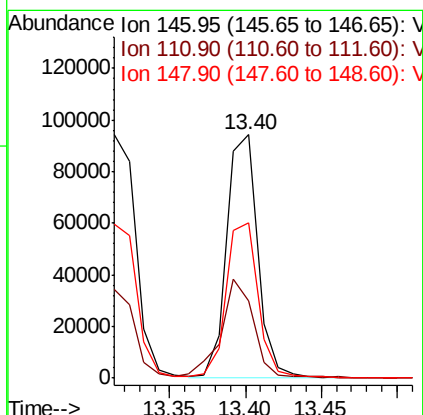
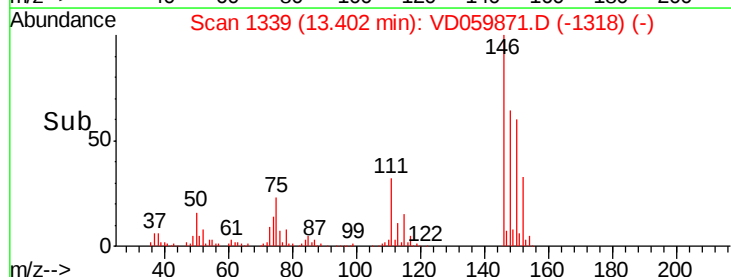
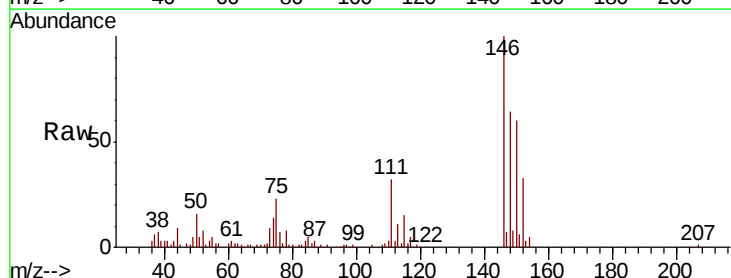
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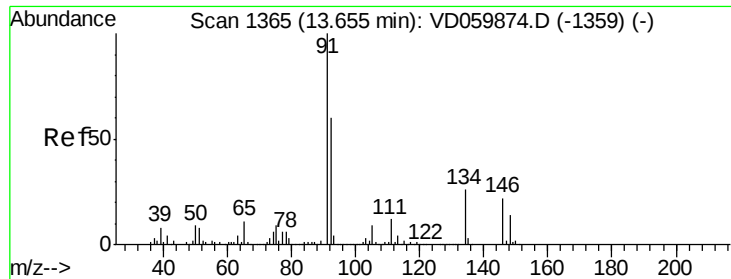
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 5.50 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.7	17.5	52.6
148	63.8	32.5	97.5





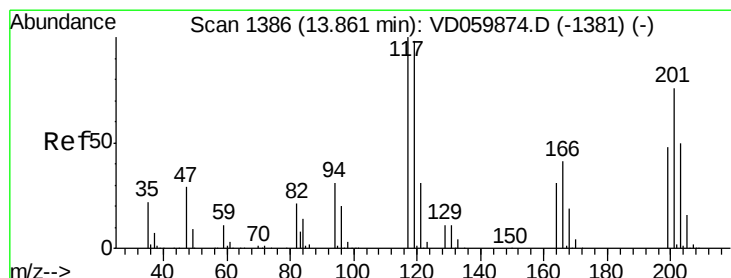
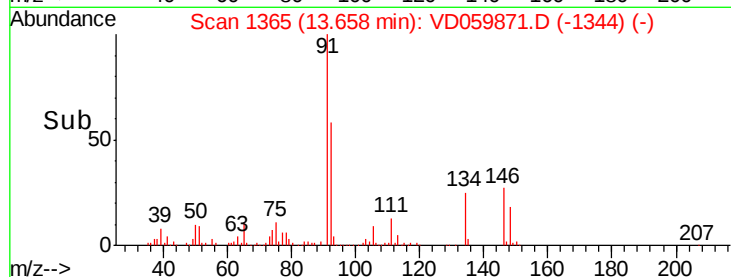
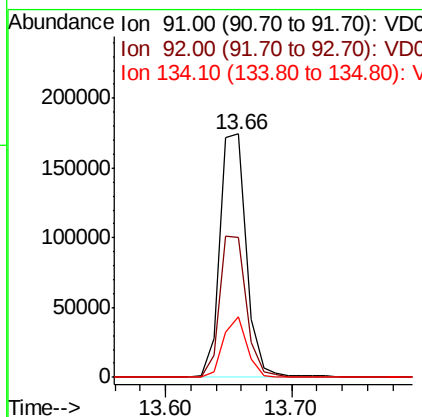
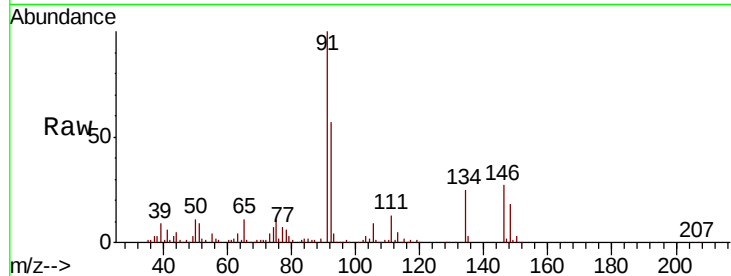
#89
n-Butylbenzene
Concen: 6.14 ug/l
RT: 13.66 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.5	30.0	90.1
134	24.9	12.8	38.4

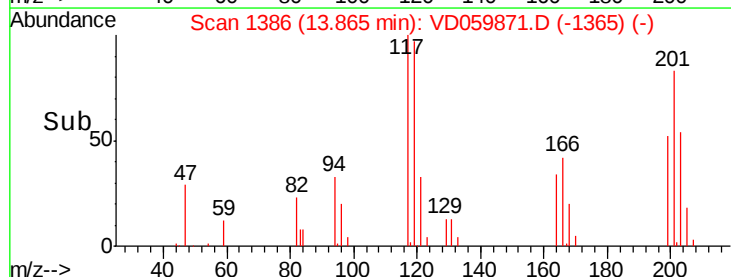
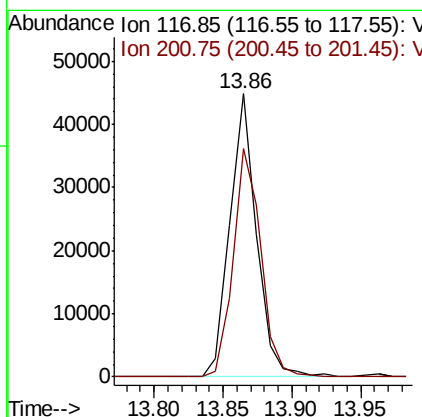
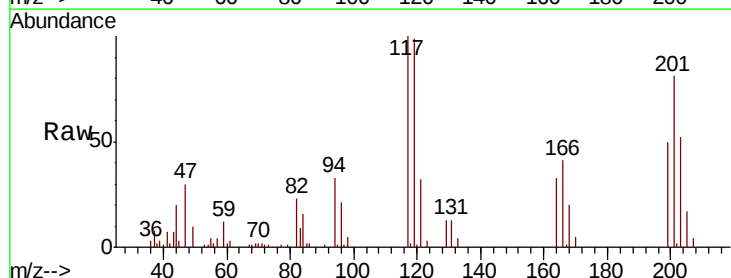
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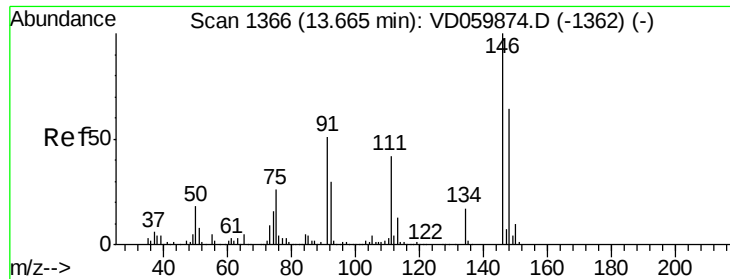
apatel
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#90
Hexachloroethane
Concen: 5.05 ug/l
RT: 13.86 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	38.1	114.5





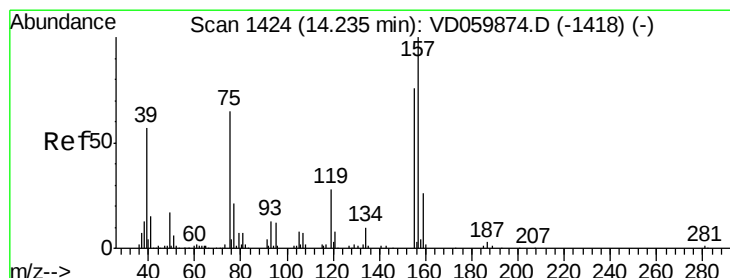
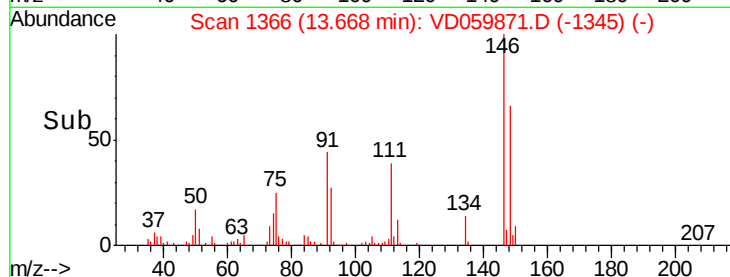
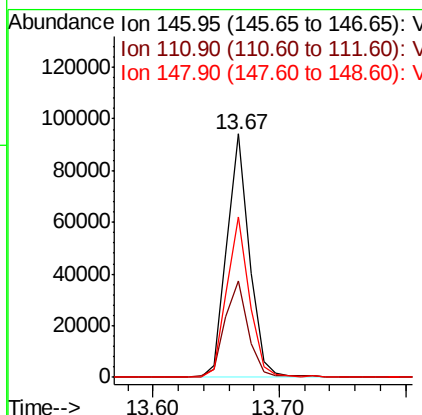
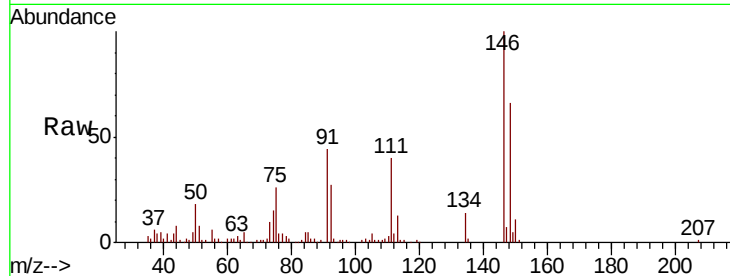
#91
 1,2-Dichlorobenzene
 Concen: 5.89 ug/l
 RT: 13.67 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.1	63.1
148	65.7	32.2	96.6

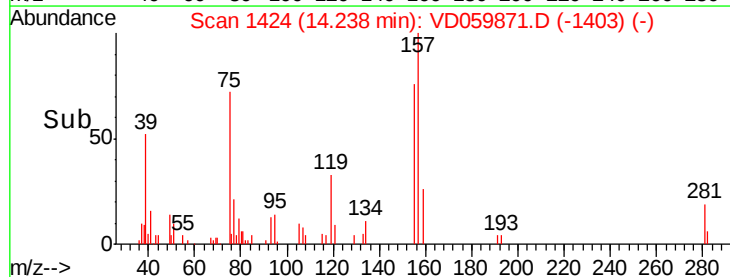
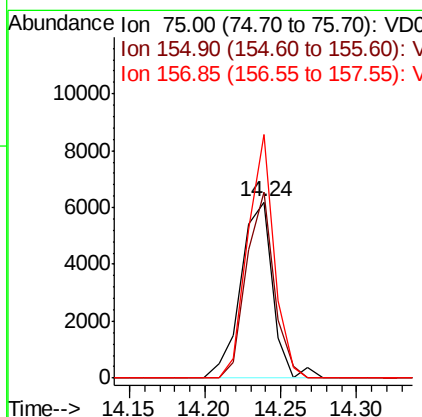
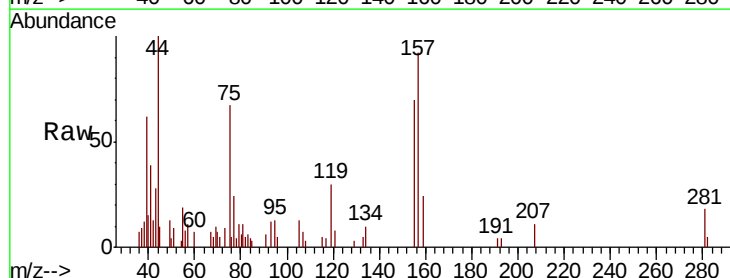
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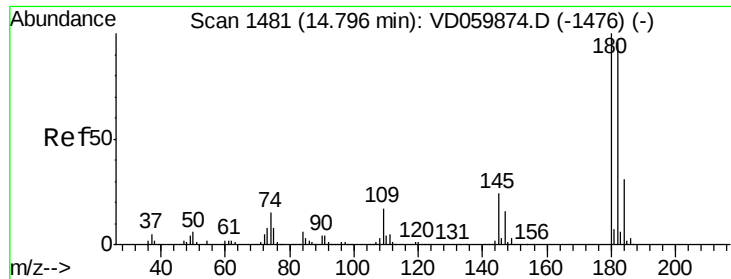
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.88 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.6	58.2	174.6
157	138.3	76.8	230.4





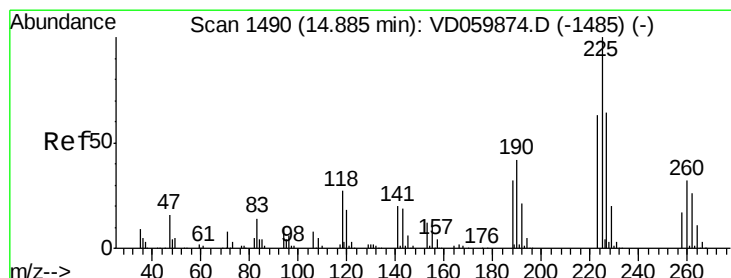
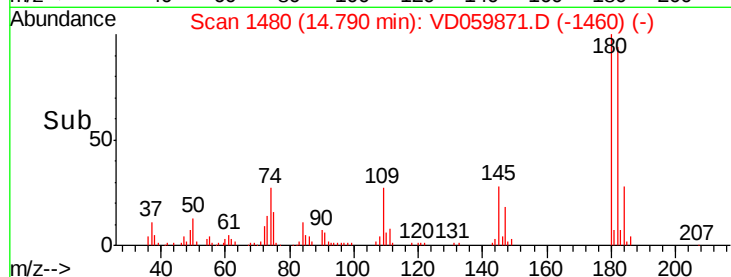
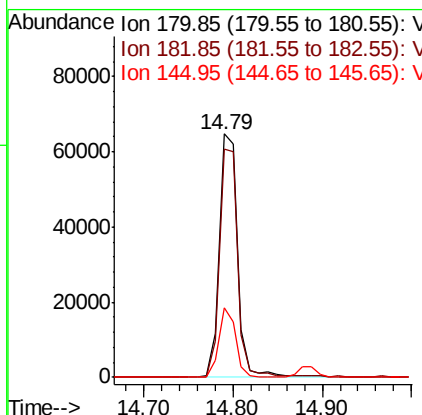
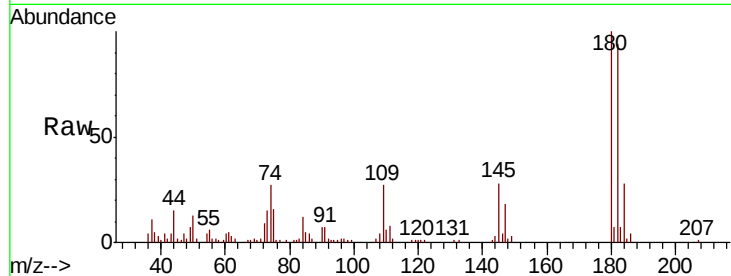
#93
 1,2,4-Trichlorobenzene
 Concen: 5.34 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.9	143.7
145	28.3	12.2	36.4

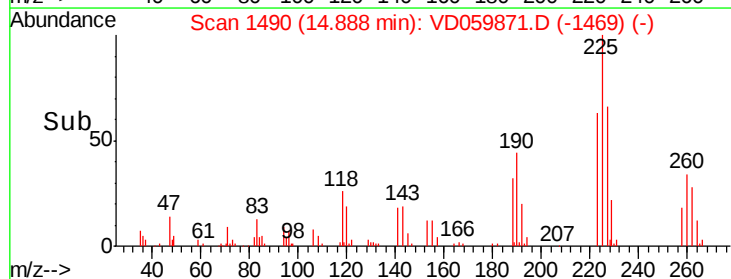
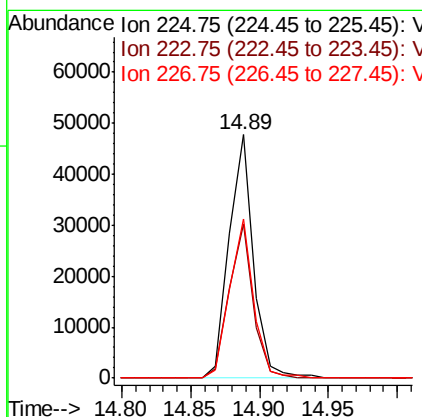
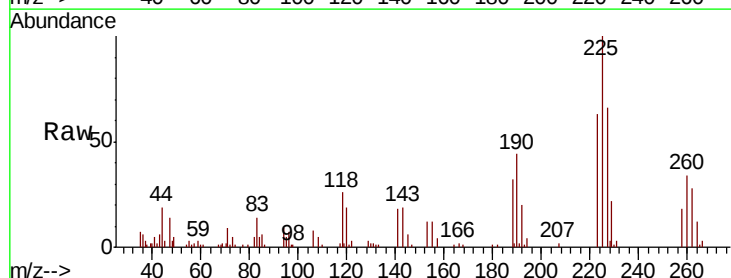
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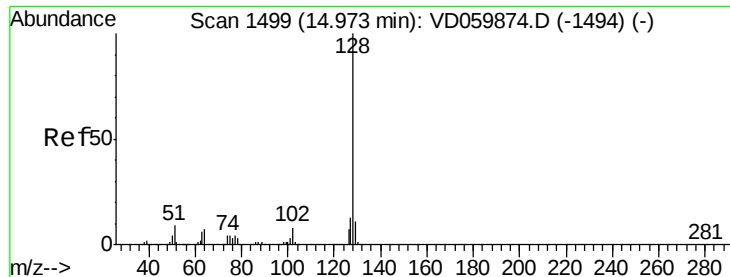
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#94
 Hexachlorobutadiene
 Concen: 4.90 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	94.8
227	65.5	32.0	96.0





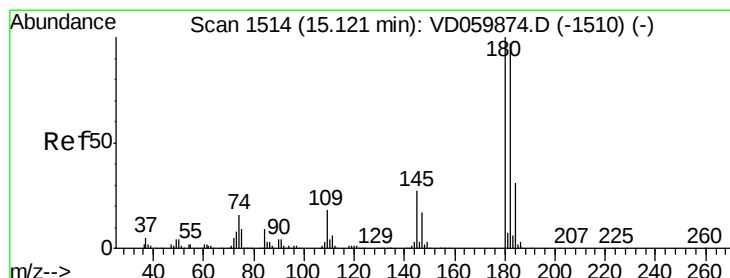
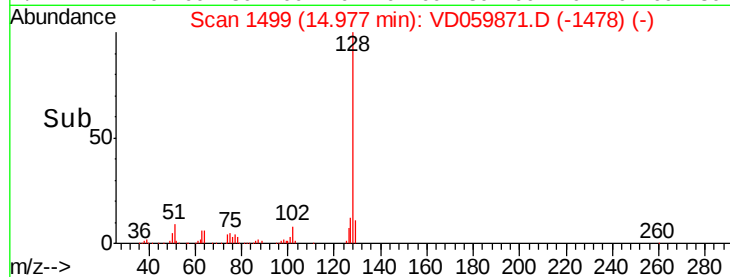
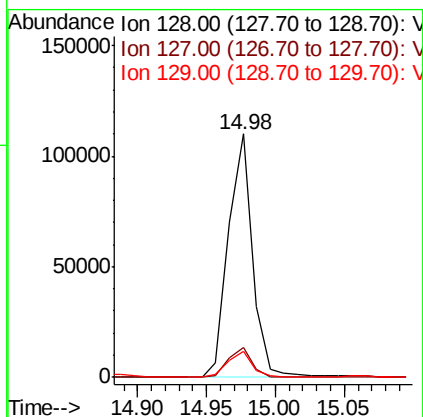
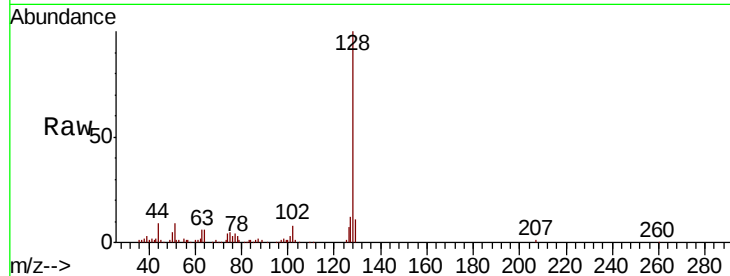
#95
Naphthalene
Concen: 4.72 ug/l
RT: 14.98 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.96 ug/l
RT: 15.12 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.6	145.8
145	26.7	13.6	40.8

