

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060796.D
 Acq On : 28 Jan 2019 17:35
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:51 PM

Quant Time: Jan 29 13:46:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	637137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	865179	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	684219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	340033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.21	65	910017	93.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.32%	
35) Dibromofluoromethane	6.68	113	794195	95.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.44%	
50) Toluene-d8	10.19	98	1747103	90.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.34%	
62) 4-Bromofluorobenzene	13.35	95	908384	93.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	805457	103.976	ug/l	99
3) Chloromethane	1.76	50	448831	96.773	ug/l	94
4) Vinyl Chloride	1.84	62	500964	101.759	ug/l	94
5) Bromomethane	2.13	94	135308m	81.850	ug/l	
6) Chloroethane	2.24	64	146685	82.783	ug/l #	86
7) Trichlorofluoromethane	2.48	101	890138	91.852	ug/l	99
8) Diethyl Ether	2.80	74	137645	96.390	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.06	101	454352	92.512	ug/l	95
10) Methyl Iodide	3.21	142	536483	104.335	ug/l	96
11) Tert butyl alcohol	3.93	59	222837	477.377	ug/l #	92
12) 1,1-Dichloroethene	3.04	96	313224	93.328	ug/l	95
13) Acrolein	2.96	56	74411	392.647	ug/l	95
14) Allyl chloride	3.50	41	739421	94.672	ug/l	98
15) Acrylonitrile	4.04	53	468906	448.322	ug/l	98
16) Acetone	3.13	43	643764	458.062	ug/l	100
17) Carbon Disulfide	3.28	76	1104872	92.937	ug/l	99
18) Methyl Acetate	3.52	43	267005	95.469	ug/l	96
19) Methyl tert-butyl Ether	4.08	73	1454316	94.915	ug/l	98
20) Methylene Chloride	3.68	84	576342	80.143	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	528376	89.307	ug/l	98
22) Diisopropyl ether	4.90	45	1871805	93.003	ug/l	89
23) Vinyl Acetate	4.83	43	5548974	478.765	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1302367	98.847	ug/l	99
25) 2-Butanone	5.84	43	880843	487.796	ug/l	99
26) 2,2-Dichloropropane	5.78	77	1250801	90.098	ug/l	97
27) cis-1,2-Dichloroethene	5.80	96	607420	90.143	ug/l	93
28) Bromochloromethane	6.20	49	480975	93.578	ug/l	94
29) Tetrahydrofuran	6.23	42	414041	477.466	ug/l	96
30) Chloroform	6.42	83	1509166	96.911	ug/l	97
31) Cyclohexane	6.72	56	854908	95.366	ug/l	100
32) 1,1,1-Trichloroethane	6.63	97	1418627	94.597	ug/l	97
36) 1,1-Dichloropropene	6.90	75	954956	92.444	ug/l	97
37) Ethyl Acetate	5.94	43	459265	99.596	ug/l	96
38) Carbon Tetrachloride	6.87	117	1336101	103.145	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	847380	97.953	ug/l	98
40) Benzene	7.21	78	2022691	99.210	ug/l	100
41) Methacrylonitrile	6.22	41	287005m	94.651	ug/l	
42) 1,2-Dichloroethane	7.34	62	1188787	100.369	ug/l	100
43) Isopropyl Acetate	9.00	43	636452	105.823	ug/l #	96
44) Trichloroethene	8.30	130	689991	99.832	ug/l	99
45) 1,2-Dichloropropane	8.71	63	542444	98.286	ug/l	100
46) Dibromomethane	8.82	93	435184	101.574	ug/l	96
47) Bromodichloromethane	9.14	83	1158620	100.188	ug/l	98
48) Methyl methacrylate	8.89	41	422712	101.922	ug/l	96
49) 1,4-Dioxane	8.85	88	71907	2236.273	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	1897406	487.163	ug/l	100
52) Toluene	10.29	92	1156264	89.407	ug/l	97
53) t-1,3-Dichloropropene	10.69	75	1024656	100.730	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	1036792	99.392	ug/l	99
55) 1,1,2-Trichloroethane	10.97	97	420296	95.321	ug/l	98
56) Ethyl methacrylate	10.82	69	524390	98.175	ug/l	96
57) 1,3-Dichloropropane	11.19	76	758344	100.633	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.63	63	1322184	471.771	ug/l	98
59) 2-Hexanone	11.32	43	1414220	482.914	ug/l	97
60) Dibromochloromethane	11.47	129	800754	101.016	ug/l	97
61) 1,2-Dibromoethane	11.59	107	527259	101.536	ug/l	98
64) Tetrachloroethene	11.04	164	593989	94.592	ug/l	99
65) Chlorobenzene	12.19	112	1401050	89.604	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.31	131	592299	88.170	ug/l	99
67) Ethyl Benzene	12.32	91	2359023	83.902	ug/l	98
68) m/p-Xylenes	12.47	106	1556776	170.186	ug/l	97
69) o-Xylene	12.85	106	796087	87.930	ug/l	99
70) Styrene	12.87	104	1338614	88.170	ug/l	98
71) Bromoform	13.03	173	508812	100.529	ug/l #	98
73) Isopropylbenzene	13.20	105	2450065	90.372	ug/l	99
74) N-amyl acetate	13.07	43	863108	103.557	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.50	83	489037	99.067	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	636773	102.122	ug/l	99
77) Bromobenzene	13.47	156	683832	98.123	ug/l	98
78) n-propylbenzene	13.58	91	3187671	93.662	ug/l	98
79) 2-Chlorotoluene	13.64	91	1929676	92.958	ug/l	92
80) 1,3,5-Trimethylbenzene	14.04	105	2140235	91.700	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	164814	101.385	ug/l	93
82) 4-Chlorotoluene	13.75	91	2104553	91.220	ug/l	91
83) tert-Butylbenzene	13.99	119	2197159	89.979	ug/l	96
84) 1,2,4-Trimethylbenzene	14.04	105	2140235	91.700	ug/l	99
85) sec-Butylbenzene	14.17	105	2561538	92.155	ug/l	99
86) p-Isopropyltoluene	14.30	119	2103266	93.200	ug/l	99
87) 1,3-Dichlorobenzene	14.26	146	1137052	91.219	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	1142399	94.324	ug/l	96
89) n-Butylbenzene	14.60	91	2015726	85.610	ug/l	99
90) Hexachloroethane	14.81	117	646974	96.339	ug/l	80
91) 1,2-Dichlorobenzene	14.61	146	885923	85.625	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.18	75	136462	116.358	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	869153	97.016	ug/l	96
94) Hexachlorobutadiene	15.84	225	571753	85.059	ug/l	98
95) Naphthalene	15.93	128	1300806	94.502	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	714015	91.655	ug/l	99

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

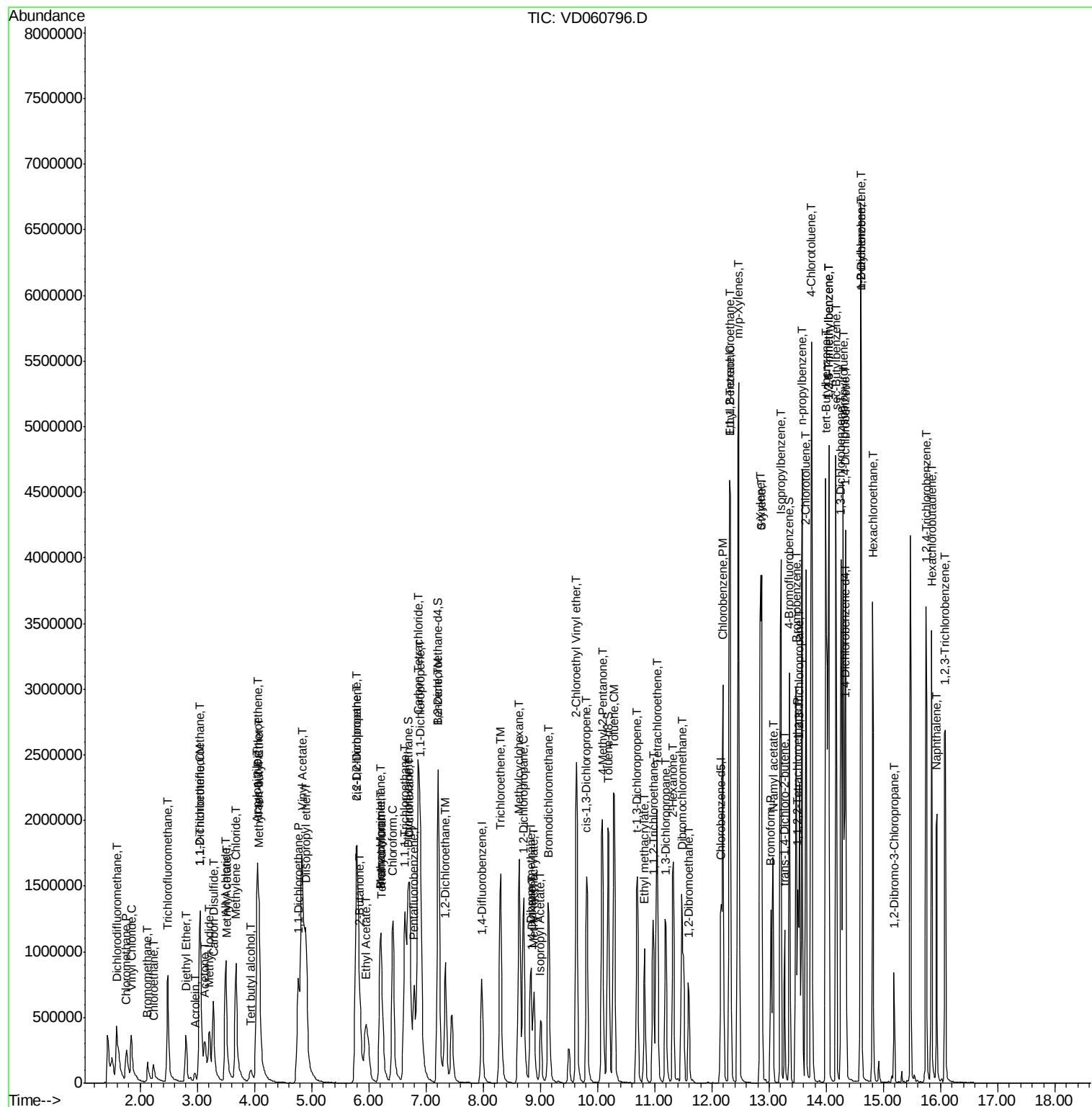
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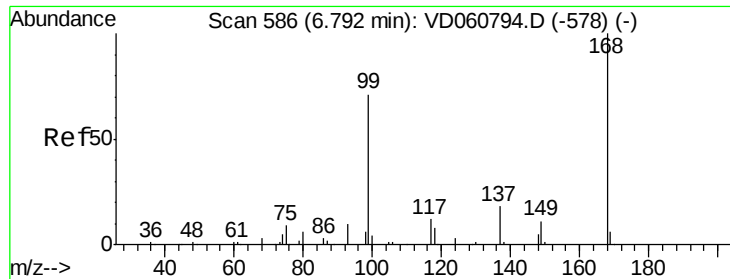
Instrument :
MSVOA_D
ClientSampleID :
VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 637137

Ion Ratio Lower Upper

168 100

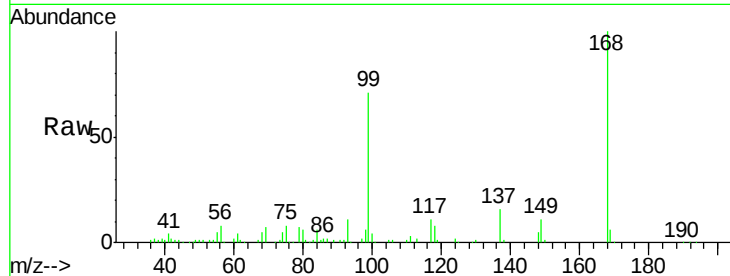
99 71.3 59.2 88.8

Manual Integrations

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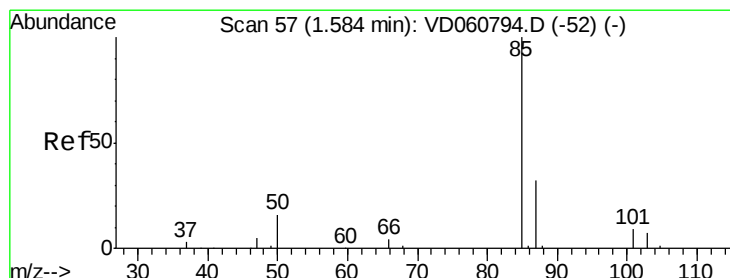
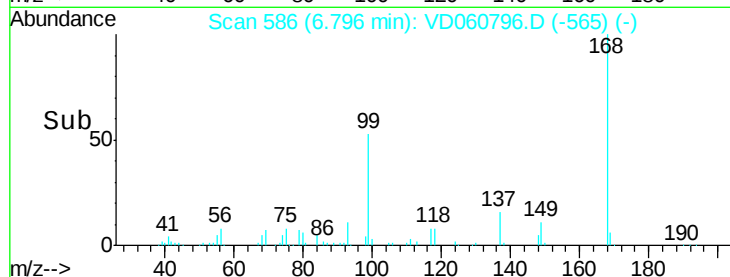
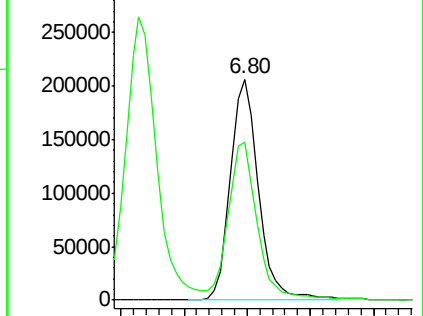
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 103.976 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060796.D

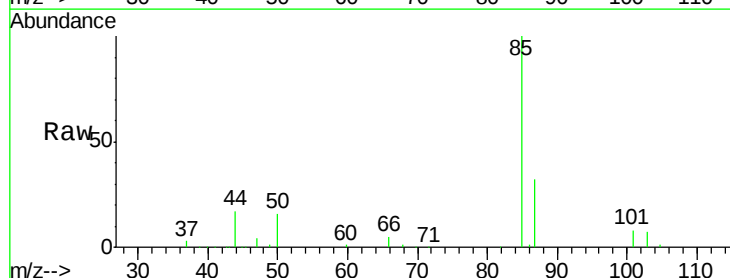
Acq: 28 Jan 2019 17:35

Tgt Ion: 85 Resp: 805457

Ion Ratio Lower Upper

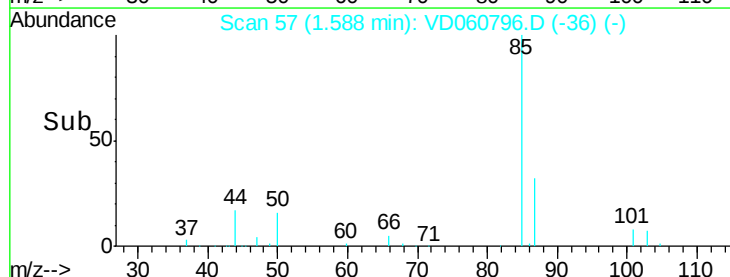
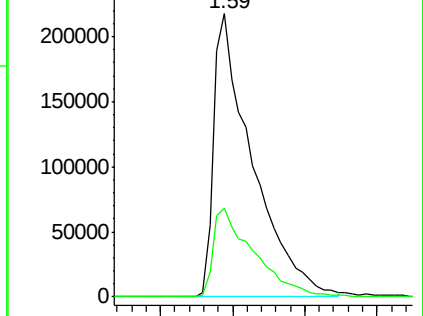
85 100

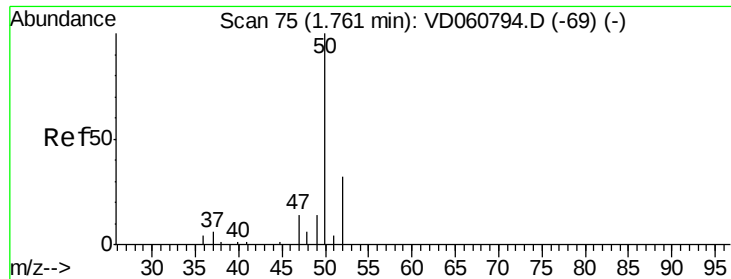
87 31.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 96.773 ug/l

RT: 1.76 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 448831

Ion Ratio Lower Upper

50 100

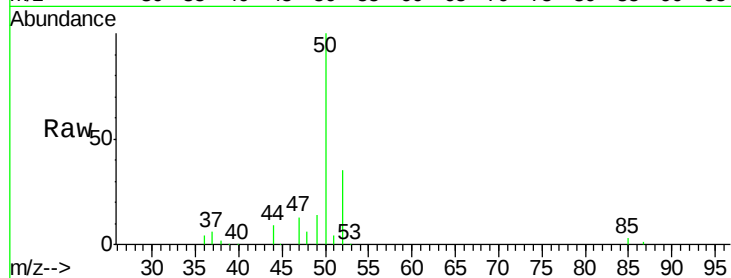
52 34.9 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

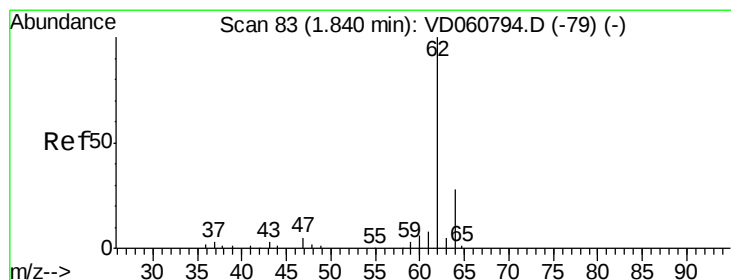
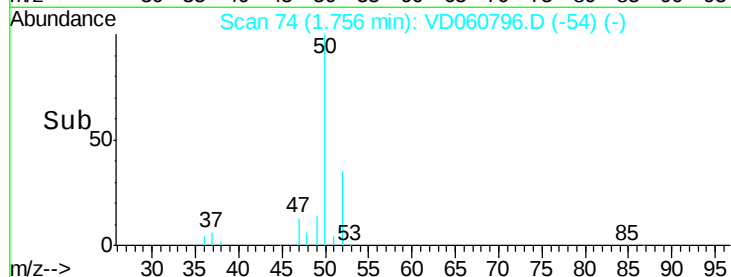
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 101.759 ug/l

RT: 1.84 min Scan# 83

Delta R.T. 0.00 min

Lab File: VD060796.D

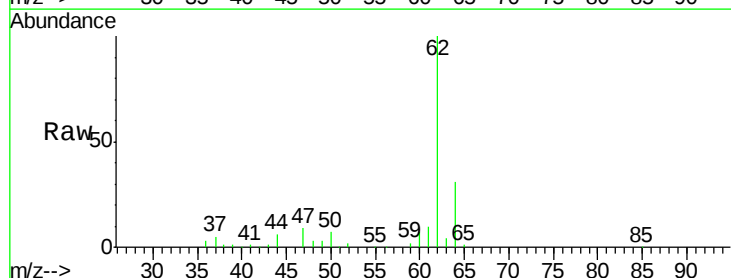
Acq: 28 Jan 2019 17:35

Tgt Ion: 62 Resp: 500964

Ion Ratio Lower Upper

62 100

64 30.5 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

200000

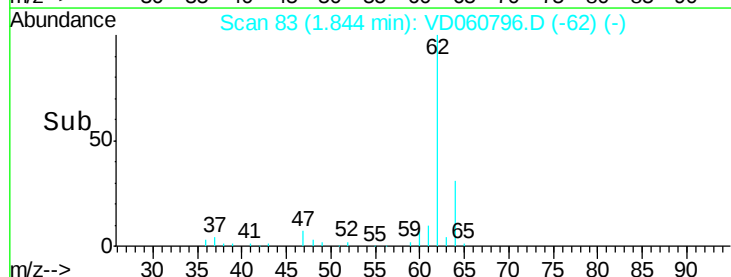
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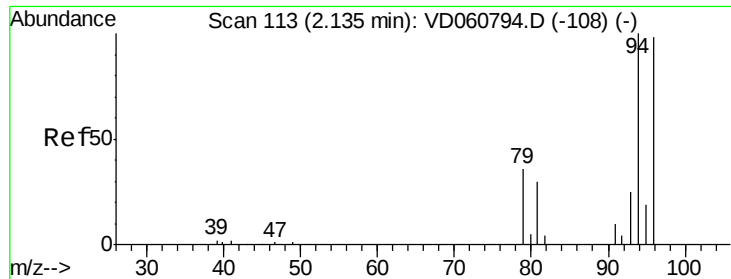
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 81.850 ug/l m

RT: 2.13 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 135308

Ion Ratio Lower Upper

94 100

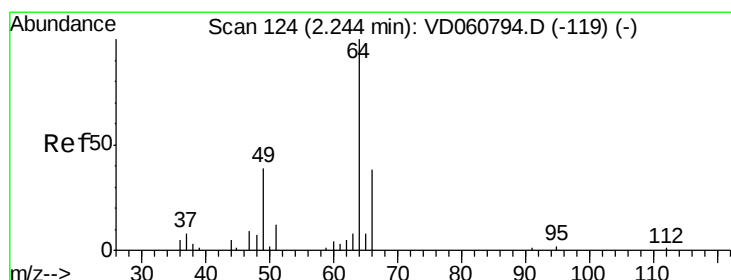
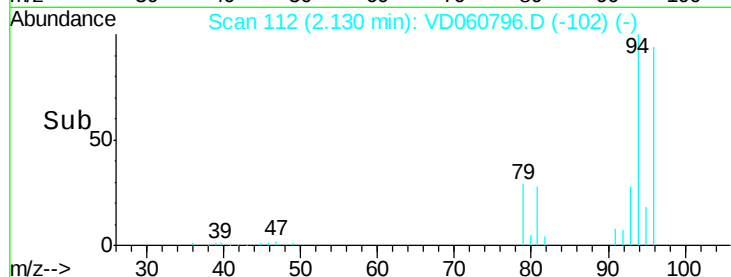
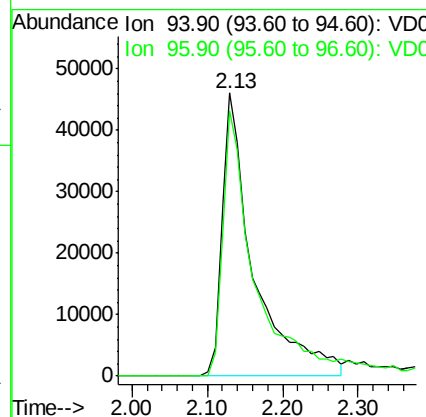
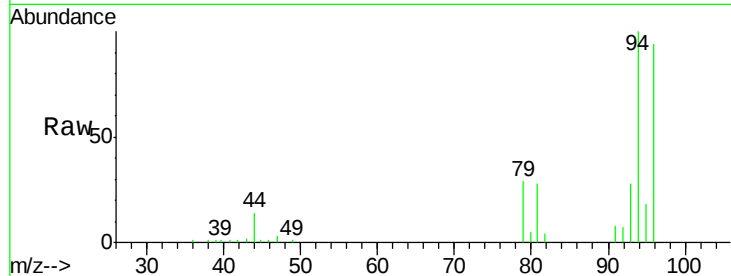
96 93.7 78.0 117.0

Manual Integrations

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#6

Chloroethane

Concen: 82.783 ug/l

RT: 2.24 min Scan# 123

Delta R.T. -0.01 min

Lab File: VD060796.D

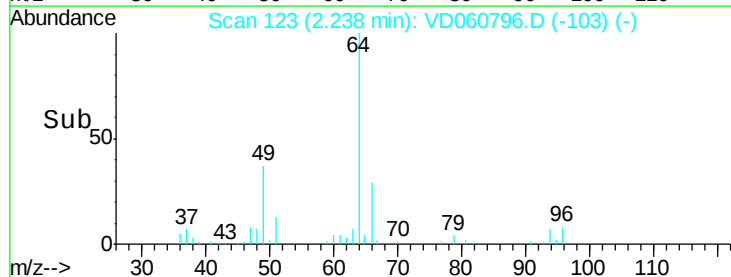
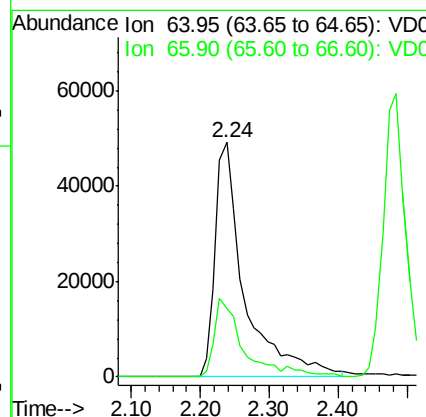
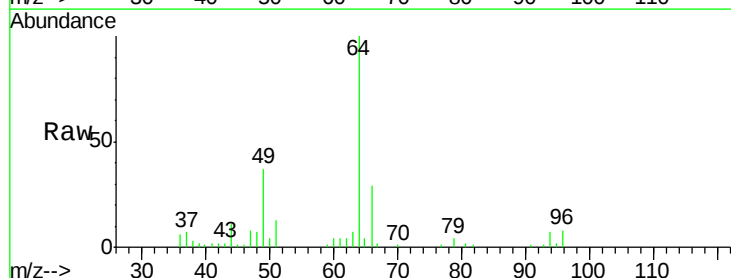
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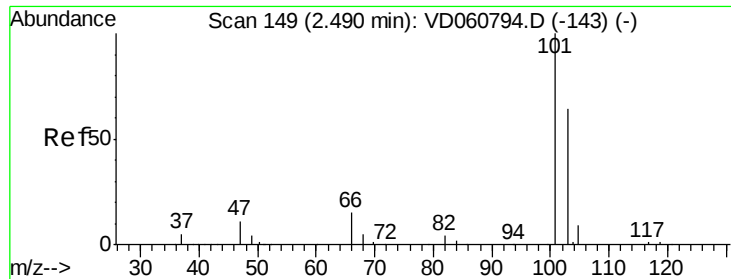
Tgt Ion: 64 Resp: 146685

Ion Ratio Lower Upper

64 100

66 29.4 30.2 45.4#





#7

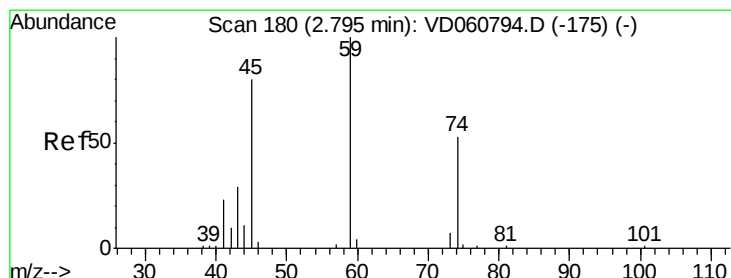
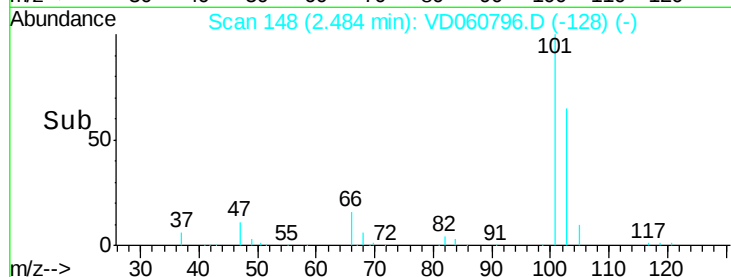
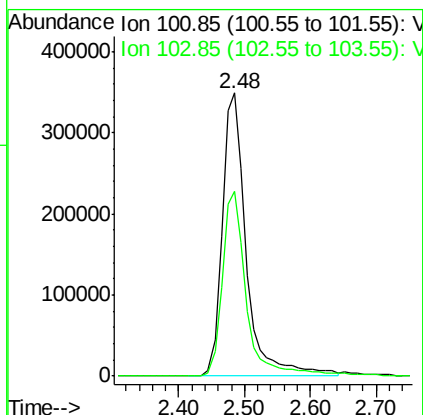
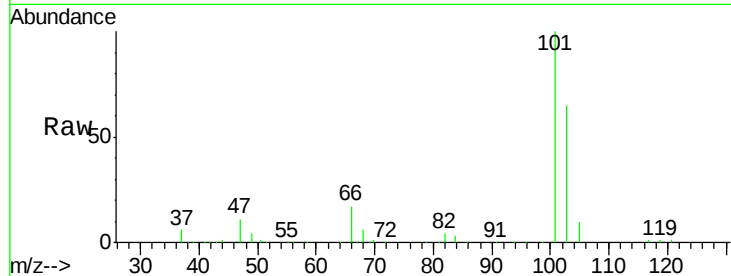
Trichlorofluoromethane
 Concen: 91.852 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. -0.01 min
 Lab File: VD060796.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	890138		
103	65.1	51.3	76.9	

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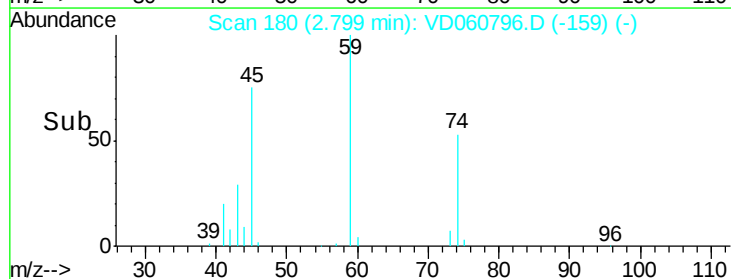
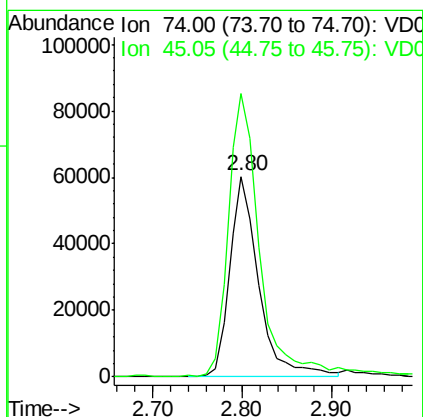
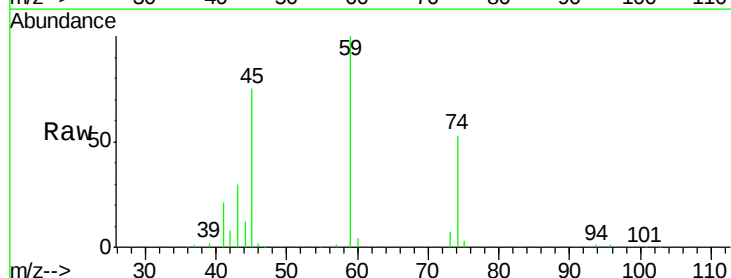
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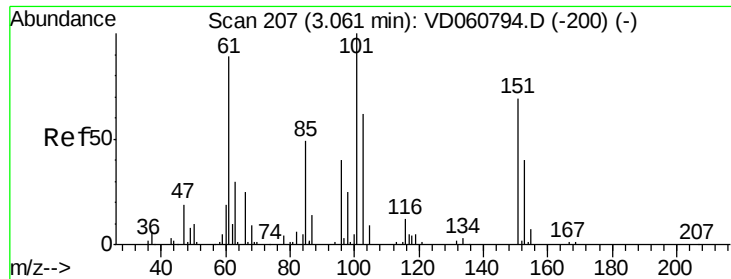


#8

Diethyl Ether
 Concen: 96.390 ug/l
 RT: 2.80 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	137645		
45	141.0	75.6	226.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.512 ug/l

RT: 3.06 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

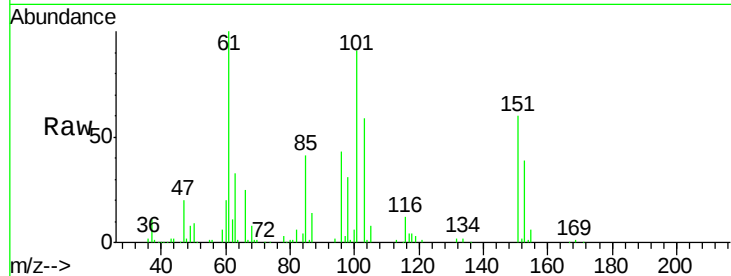
ClientSampleId :

VSTDIC100

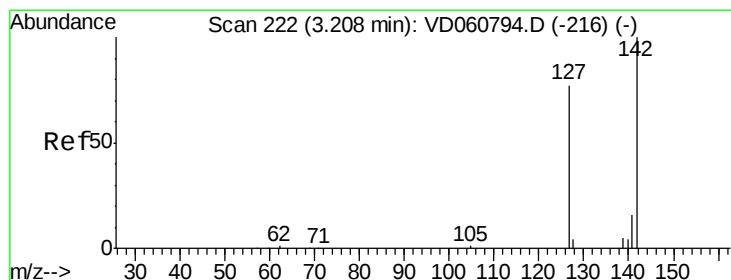
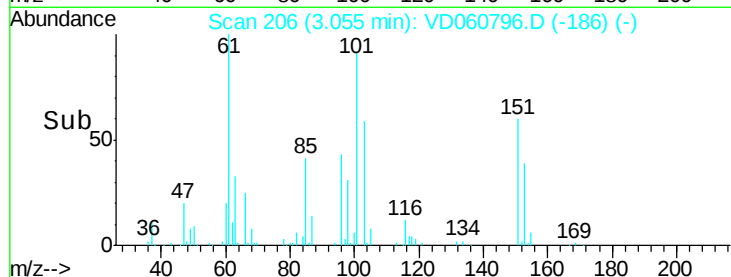
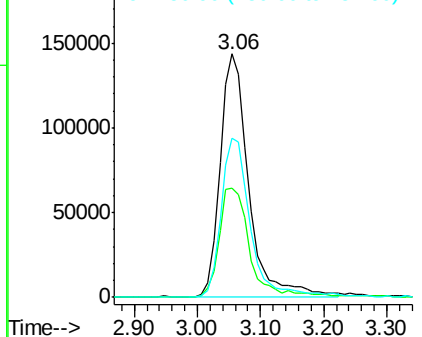
Tot Ion:	101	Resp:	454352
Ion Ratio	Lower	Upper	
101	100		
85	44.8	39.3	58.9
151	65.4	55.1	82.7

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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: 104.335 ug/l

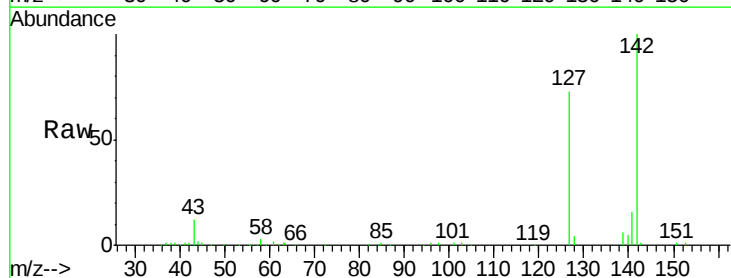
RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

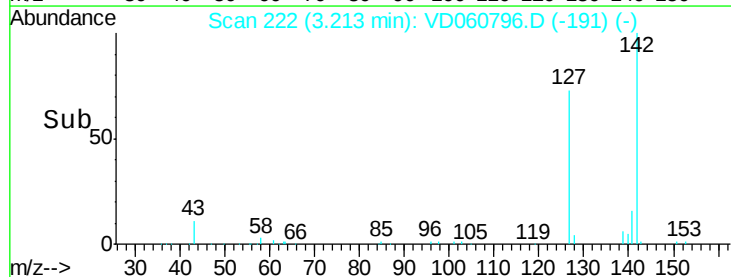
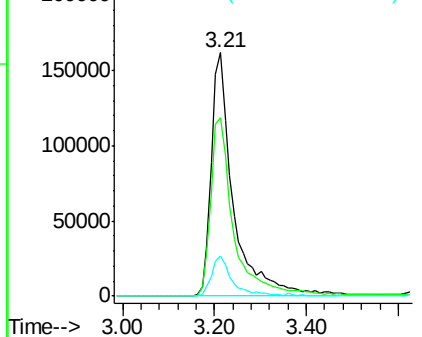
Lab File: VD060796.D

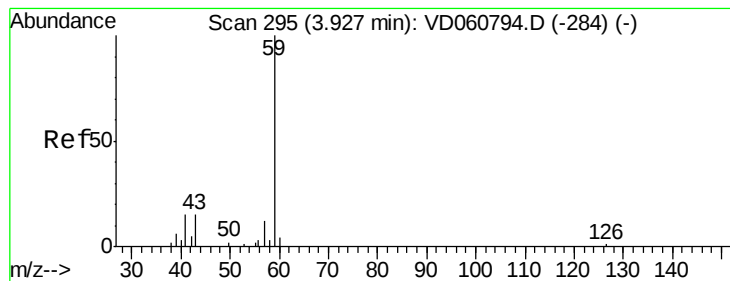
Acq: 28 Jan 2019 17:35

Tgt Ion:	142	Resp:	536483
Ion Ratio	Lower	Upper	
142	100		
127	73.3	61.6	92.4
141	16.2	12.5	18.7



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

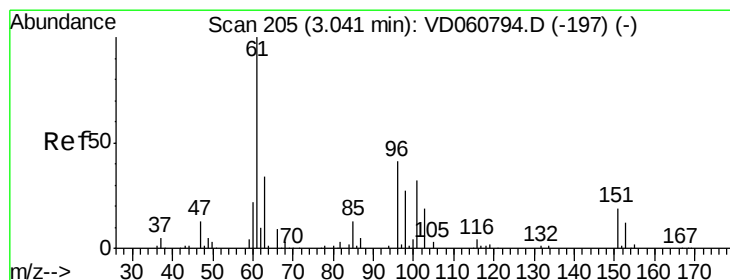
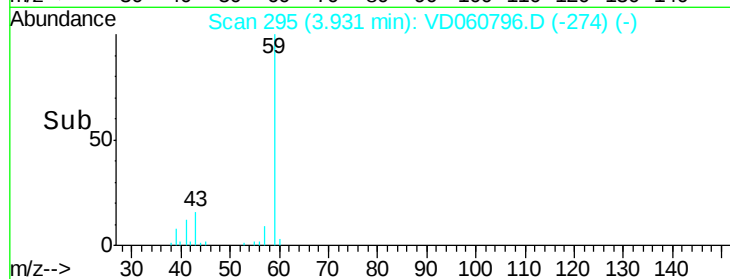
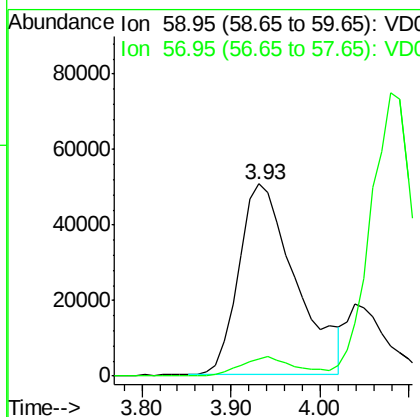
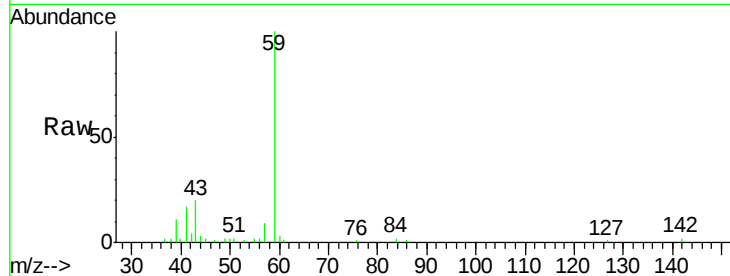
Tert butyl alcohol
Concen: 477.377 ug/l
RT: 3.93 min Scan# 295
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	9.8	14.6#

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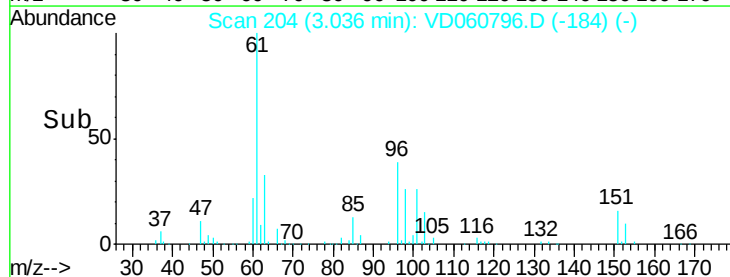
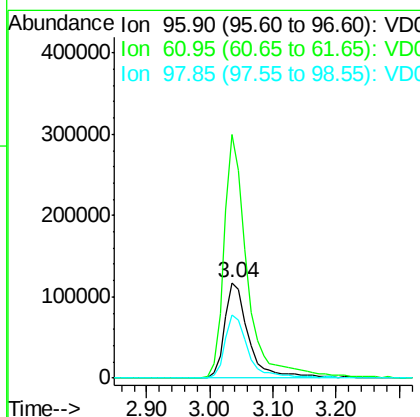
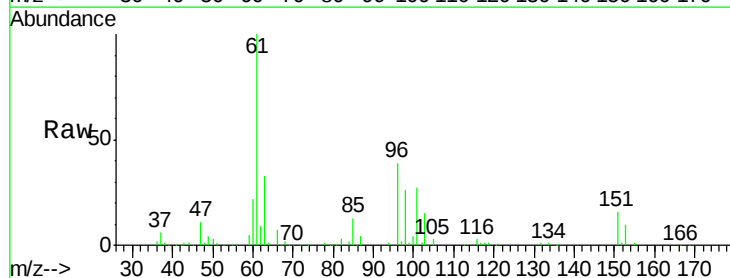
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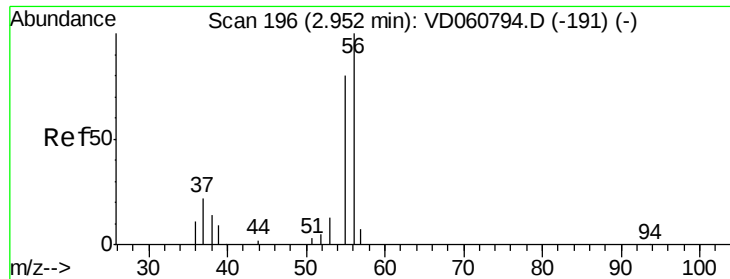


#12

1,1-Dichloroethene
Concen: 93.328 ug/l
RT: 3.04 min Scan# 204
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	254.7	195.1	292.7
98	66.6	52.5	78.7





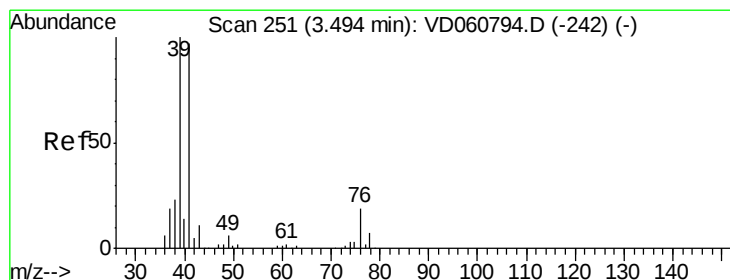
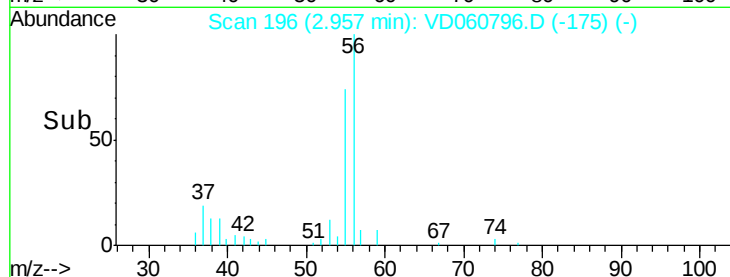
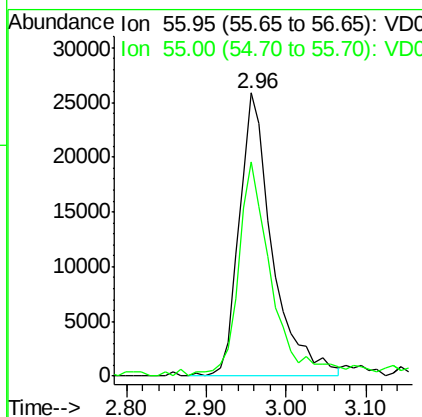
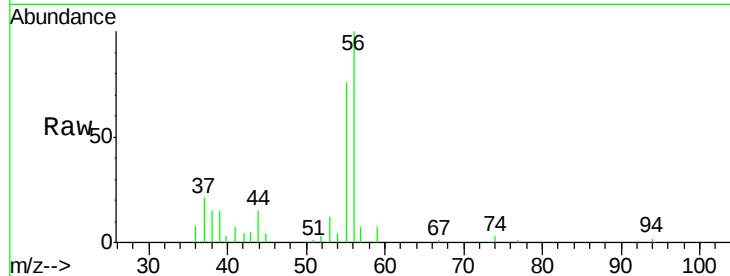
#13
 Acrolein
 Concen: 392.647 ug/l
 RT: 2.96 min Scan# 196
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	56	Resp	74411
Ion Ratio	Lower	Upper	
56	100		
55	75.7	64.2	96.2

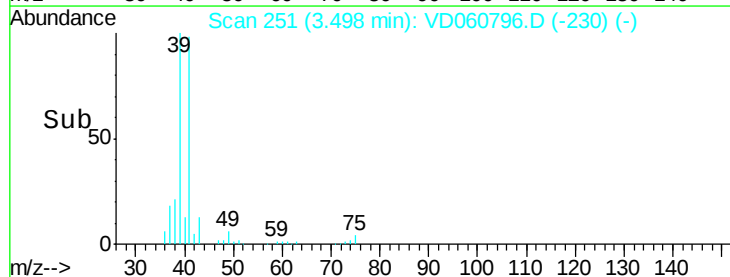
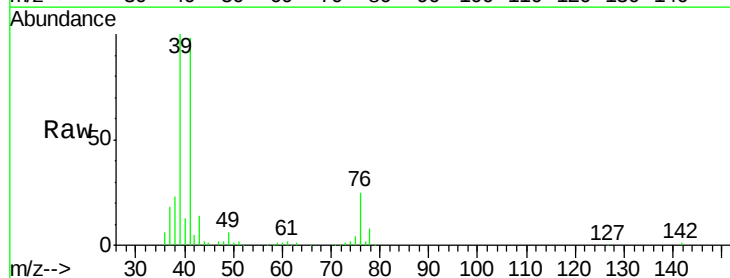
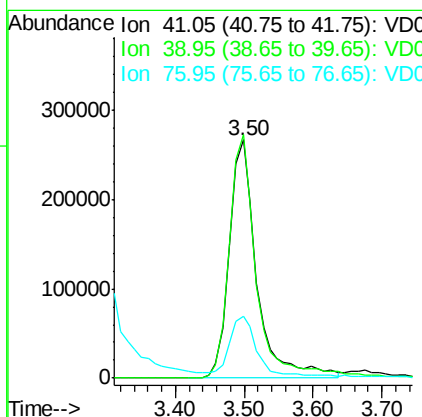
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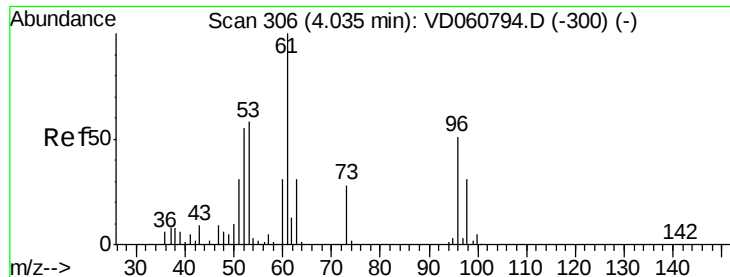
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#14
 Allyl chloride
 Concen: 94.672 ug/l
 RT: 3.50 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion	41	Resp	739421
Ion Ratio	Lower	Upper	
41	100		
39	102.1	82.6	123.8
76	25.7	18.9	28.3





#15

Acrylonitrile

Concen: 448.322 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

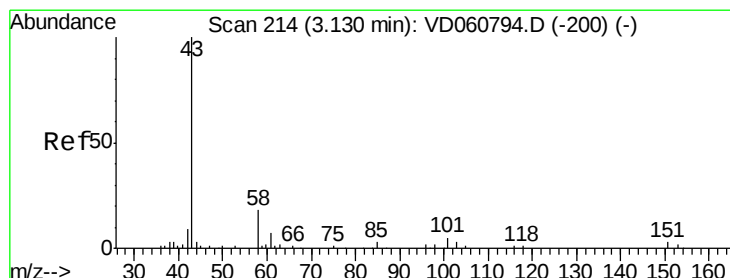
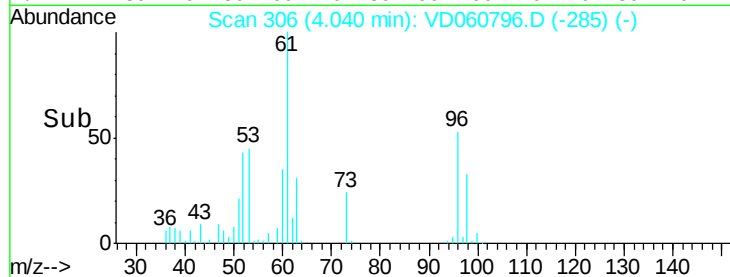
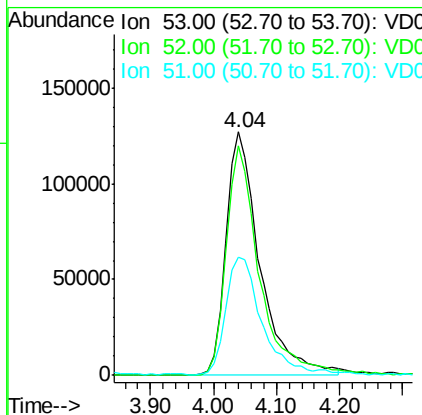
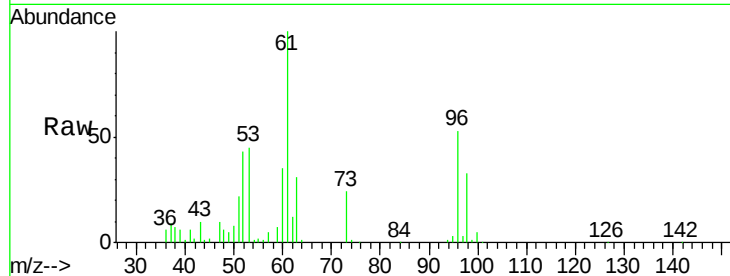
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	468906
Ion	Ratio	Lower	Upper
53	100		
52	94.1	75.4	113.2
51	48.8	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 458.062 ug/l

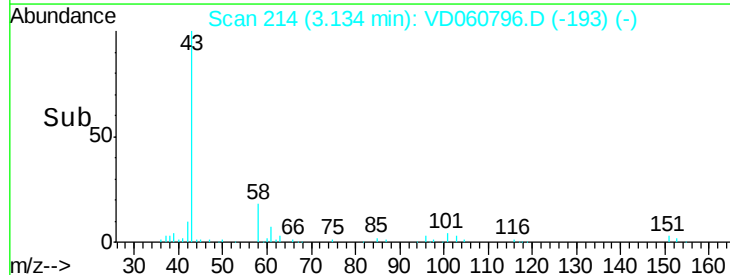
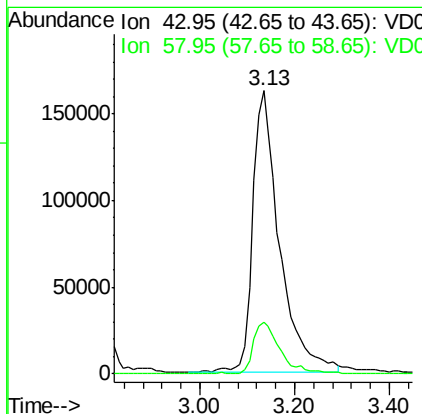
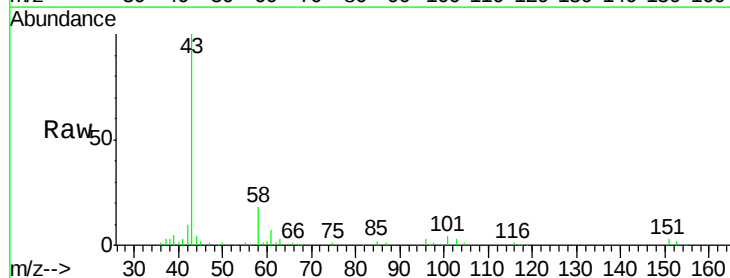
RT: 3.13 min Scan# 214

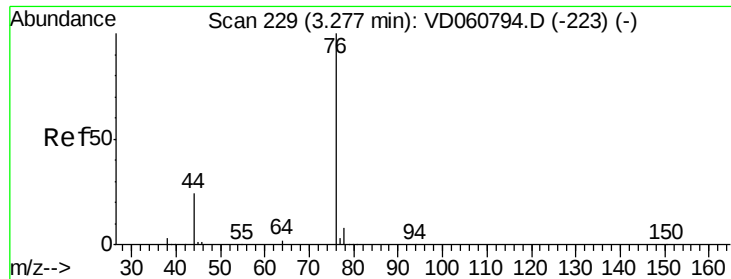
Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Tgt Ion:	43	Resp:	643764
Ion	Ratio	Lower	Upper
43	100		
58	18.2	14.5	21.7





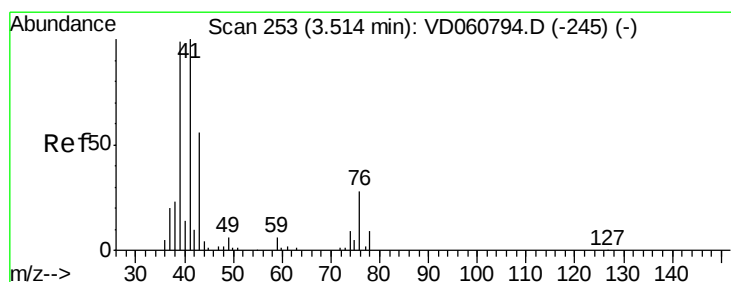
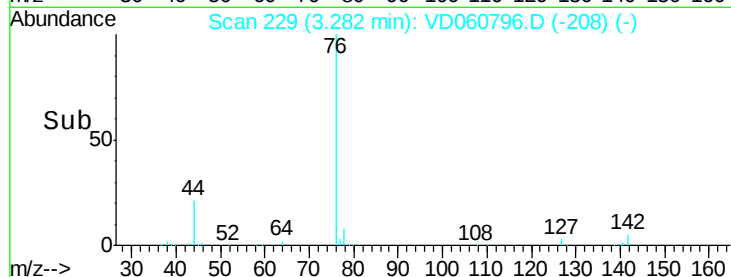
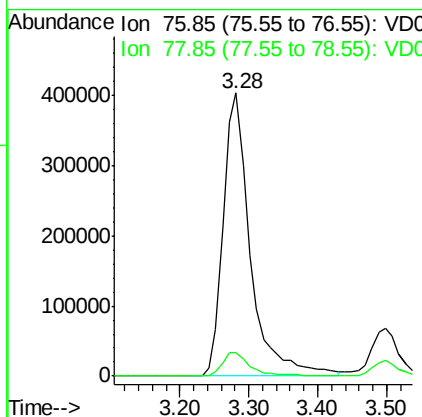
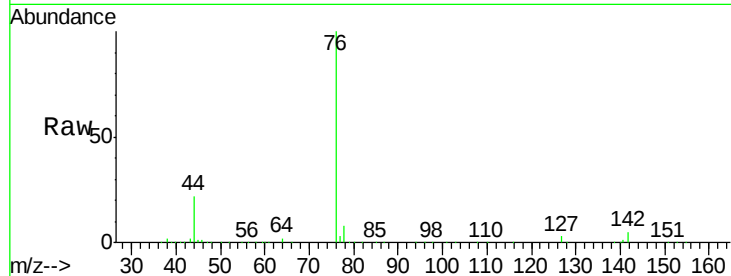
#17
Carbon Disulfide
Concen: 92.937 ug/l
RT: 3.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1104872
Ion Ratio Lower Upper
76 100
78 8.5 6.5 9.7

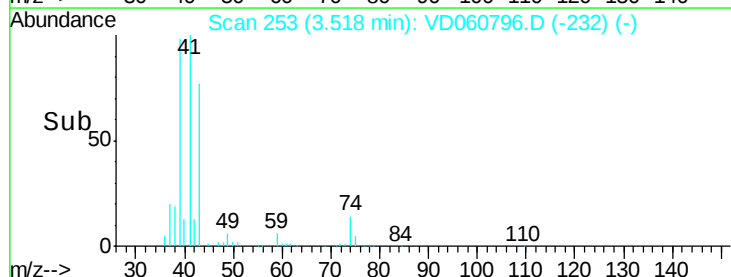
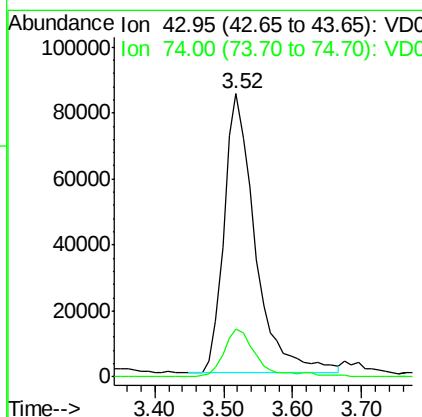
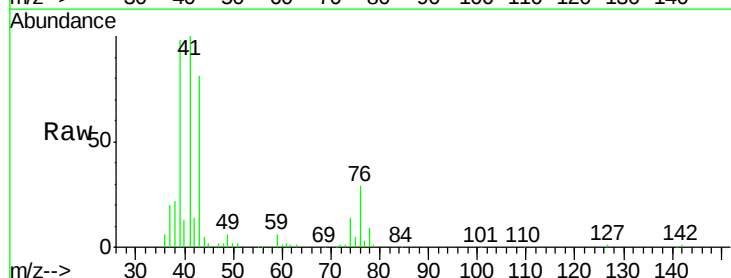
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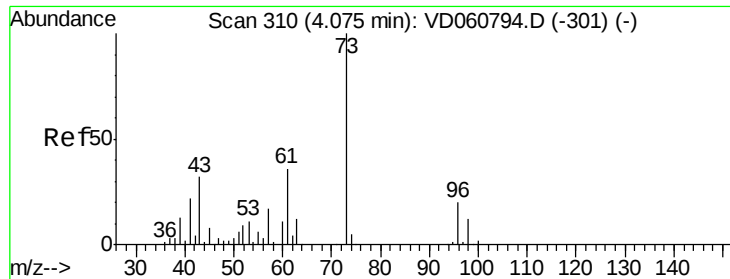
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#18
Methyl Acetate
Concen: 95.469 ug/l
RT: 3.52 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 43 Resp: 267005
Ion Ratio Lower Upper
43 100
74 17.1 12.5 18.7





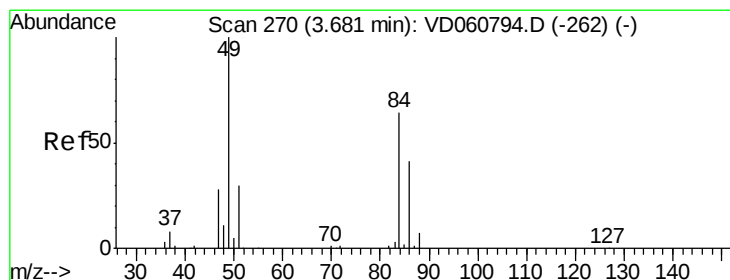
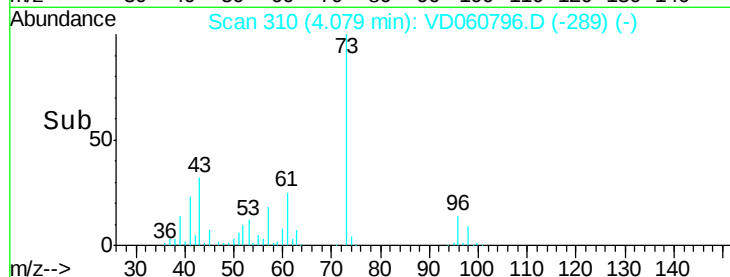
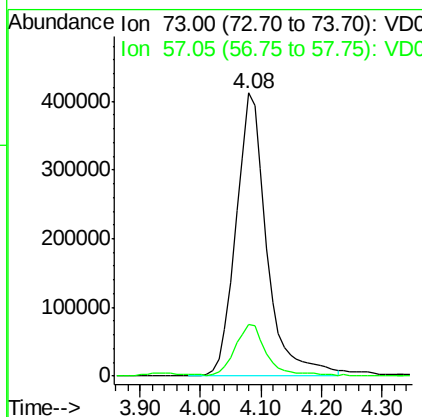
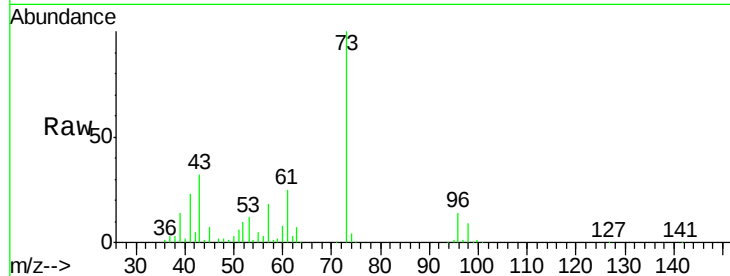
#19
Methyl tert-butyl Ether
Concen: 94.915 ug/l
RT: 4.08 min Scan# 310
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1454316
Ion Ratio Lower Upper
73 100
57 18.2 14.0 21.0

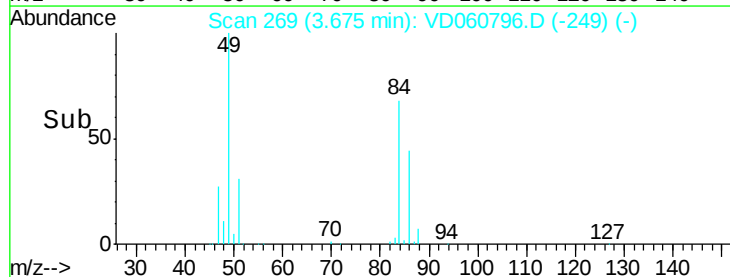
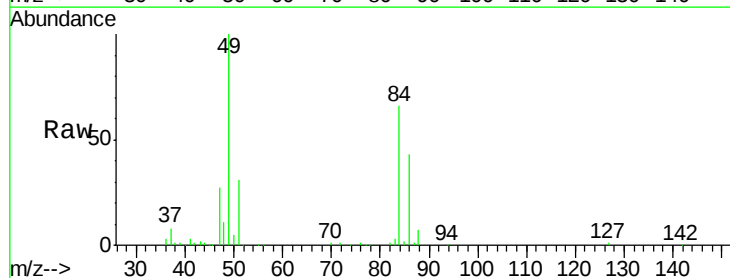
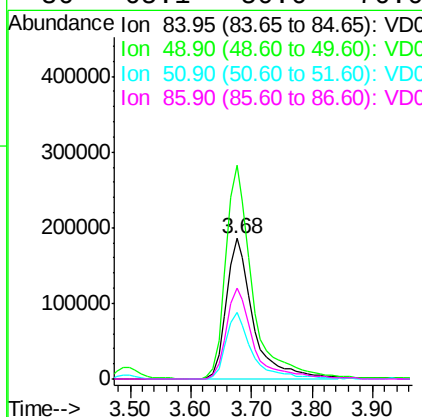
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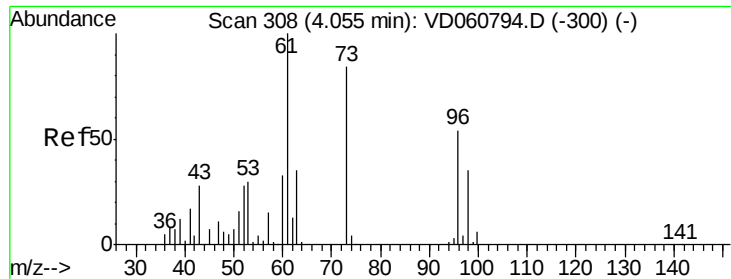
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#20
Methylene Chloride
Concen: 80.143 ug/l
RT: 3.68 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 84 Resp: 576342
Ion Ratio Lower Upper
84 100
49 152.1 124.2 186.2
51 47.7 38.1 57.1
86 65.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 89.307 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 528376

Ion Ratio Lower Upper

96 100

61 187.0 147.4 221.2

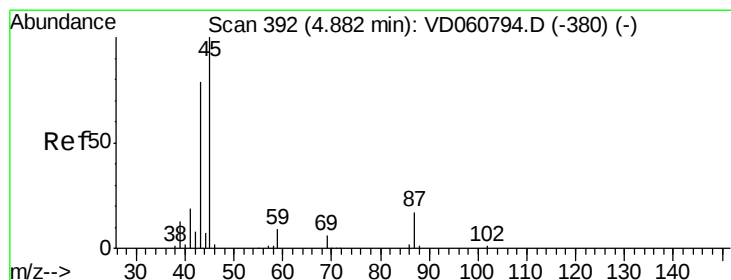
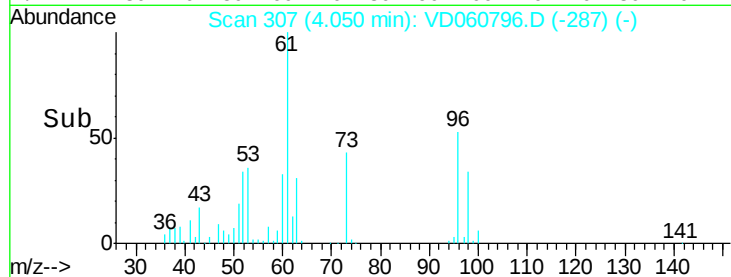
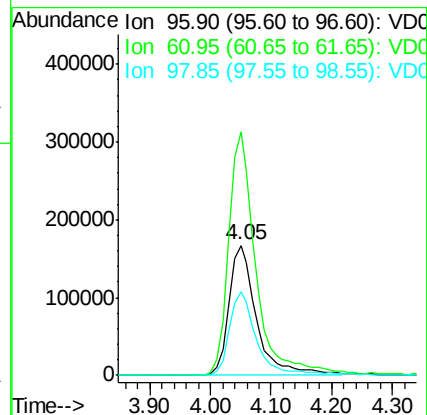
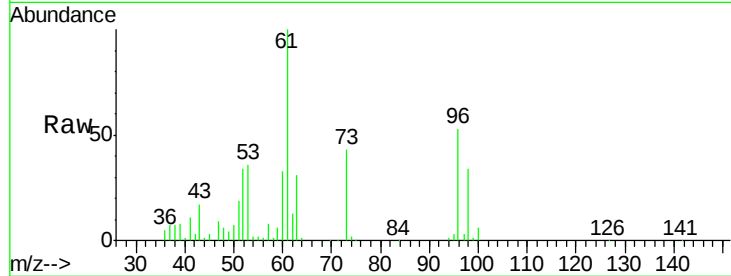
98 64.1 51.5 77.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 93.003 ug/l

RT: 4.90 min Scan# 393

Delta R.T. 0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Tgt Ion: 45 Resp: 1871805

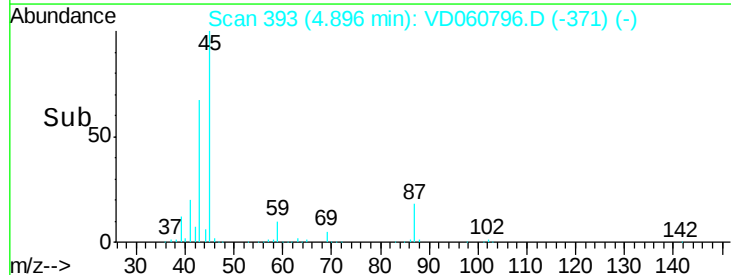
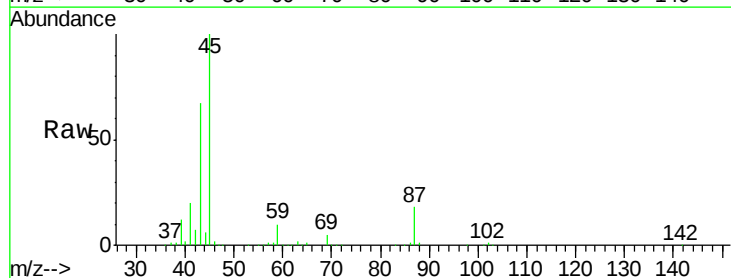
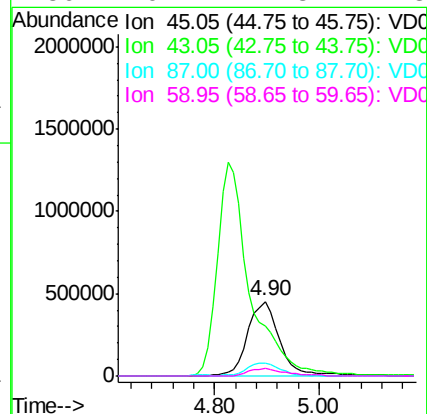
Ion Ratio Lower Upper

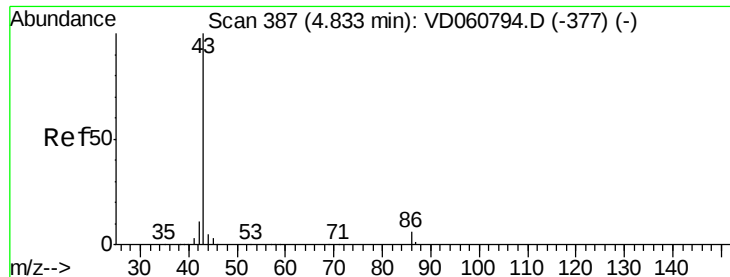
45 100

43 67.1 64.3 96.5

87 17.7 14.3 21.5

59 9.7 7.8 11.8





#23

Vinyl Acetate

Concen: 478.765 ug/l

RT: 4.83 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 5548974

Ion Ratio Lower Upper

43 100

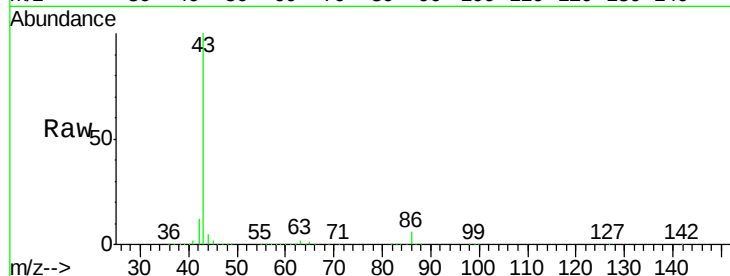
86 6.2 4.7 7.1

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VD060796.D (-377) (-)

Ion 86.00 (85.70 to 86.70): VD060796.D (-377) (-)

1500000

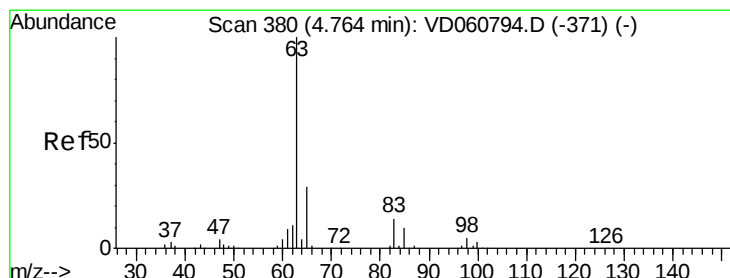
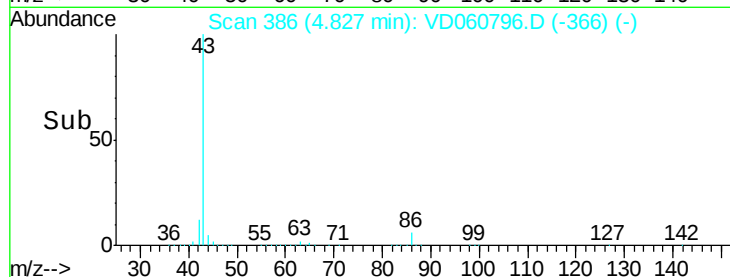
1000000

500000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 98.847 ug/l

RT: 4.77 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

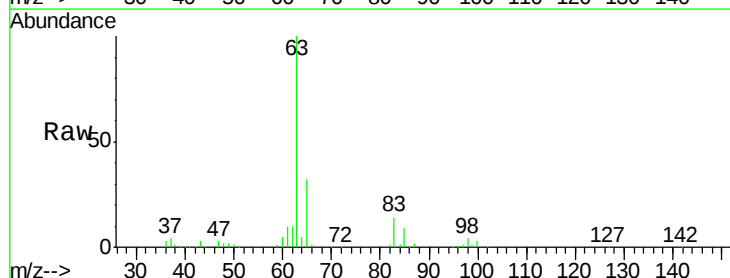
Tgt Ion: 63 Resp: 1302367

Ion Ratio Lower Upper

63 100

98 4.3 2.3 6.9

100 3.0 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VD060796.D (-371) (-)

Ion 97.95 (97.65 to 98.65): VD060796.D (-371) (-)

Ion 99.95 (99.65 to 100.65): VD060796.D (-371) (-)

500000

400000

300000

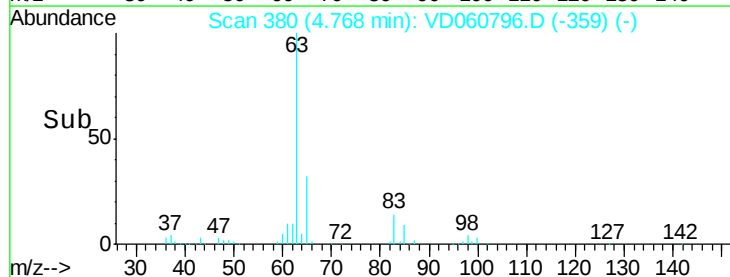
200000

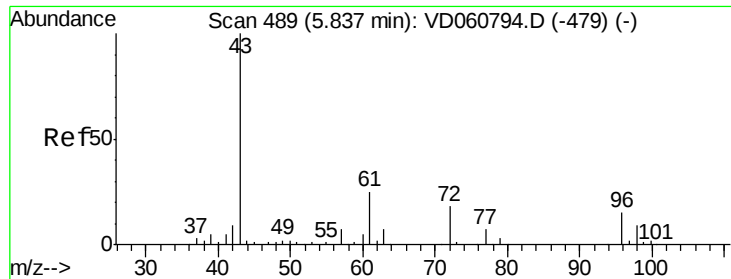
100000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 487.796 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 880843

Ion Ratio Lower Upper

43 100

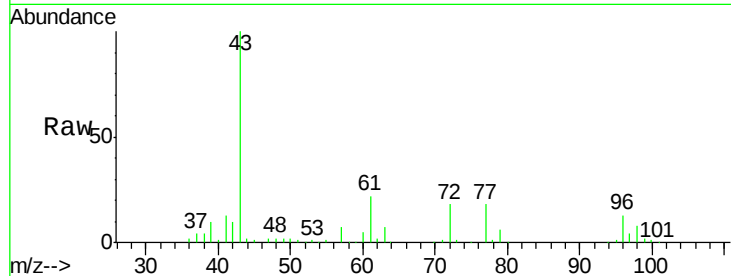
72 17.6 14.4 21.6

Manual Integrations

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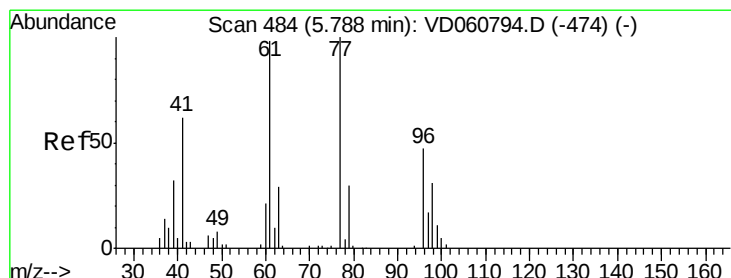
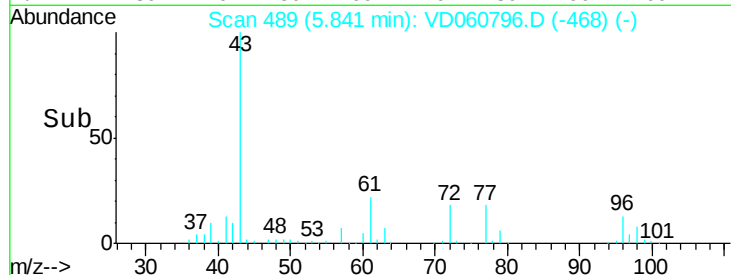
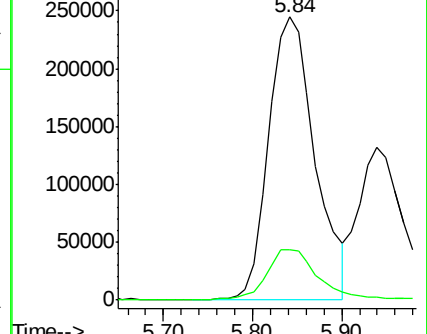
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 90.098 ug/l

RT: 5.78 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD060796.D

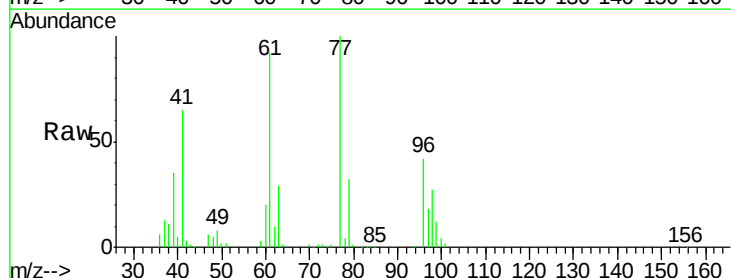
Acq: 28 Jan 2019 17:35

Tgt Ion: 77 Resp: 1250801

Ion Ratio Lower Upper

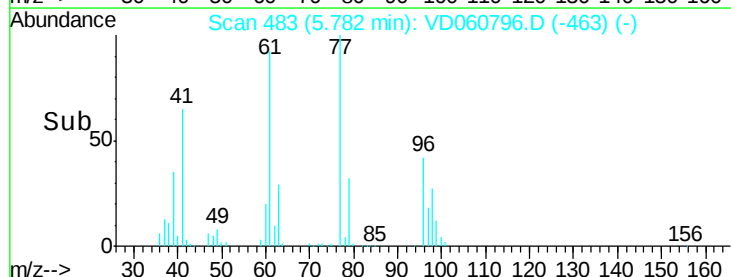
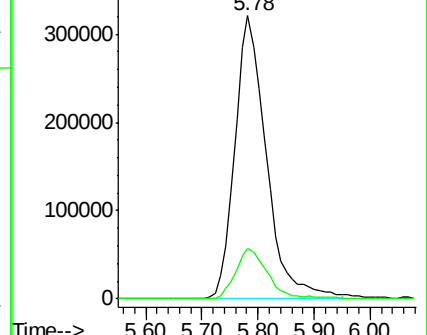
77 100

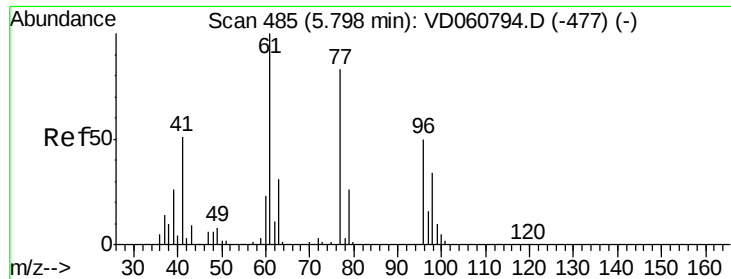
97 17.8 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

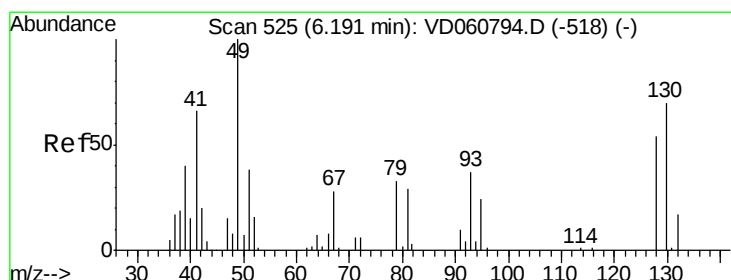
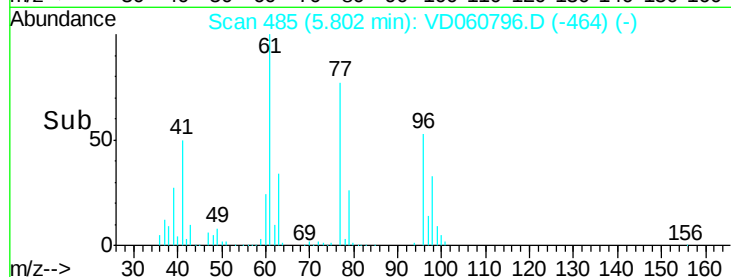
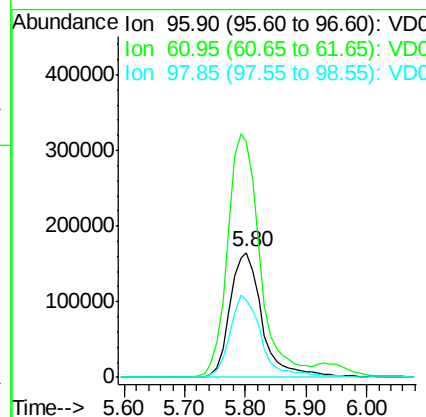
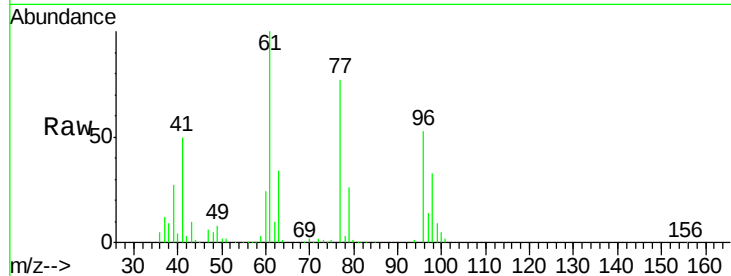
cis-1,2-Dichloroethene
Concen: 90.143 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	607420		
61	189.1	0.0	400.0	
98	61.7	0.0	136.4	

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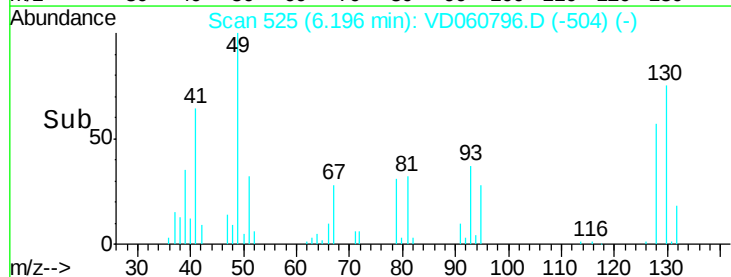
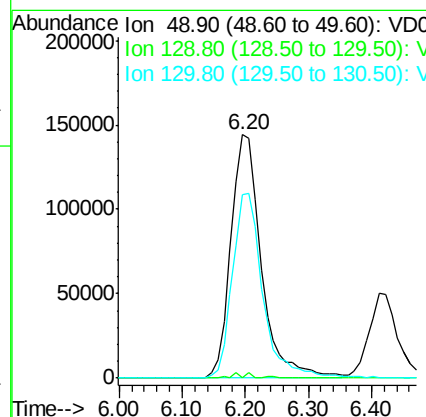
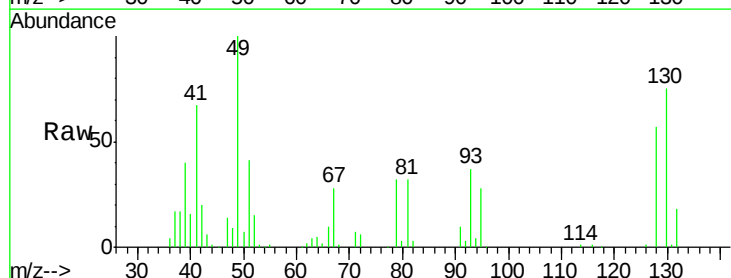
MMDadoda
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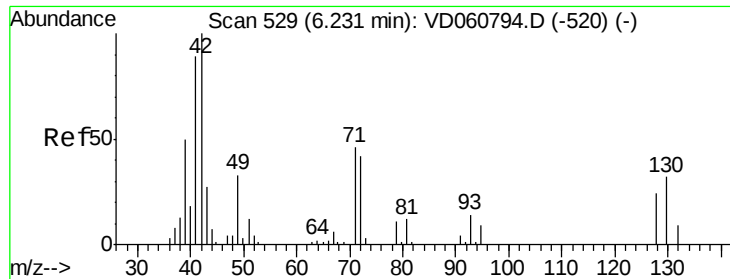


#28

Bromochloromethane
Concen: 93.578 ug/l
RT: 6.20 min Scan# 525
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	480975		
129	0.0	0.0	0.0	
130	75.4	56.1	84.1	





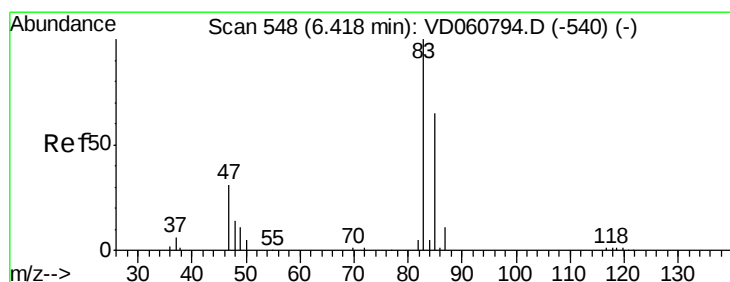
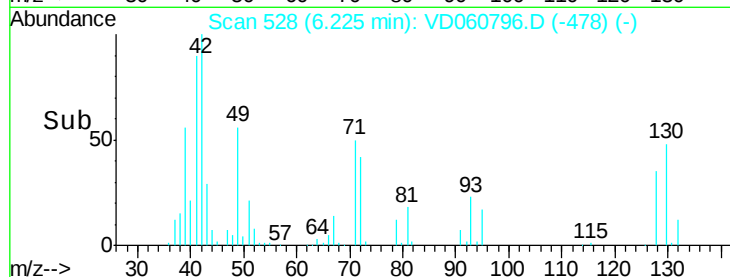
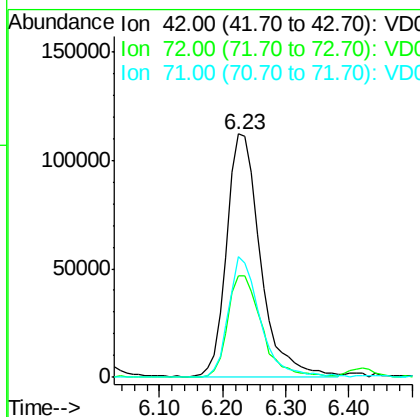
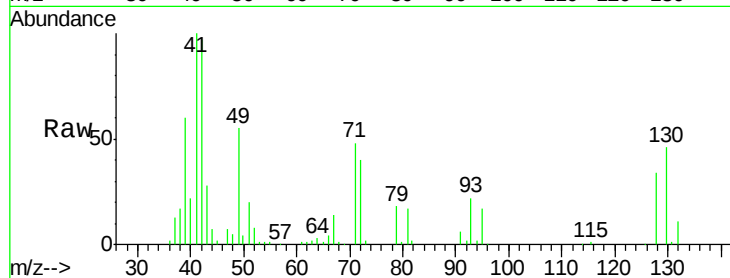
#29
Tetrahydrofuran
Concen: 477.466 ug/l
RT: 6.23 min Scan# 528
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.8	49.2
71	46.5	34.6	52.0

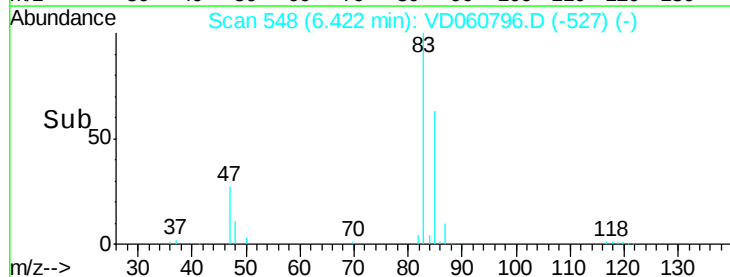
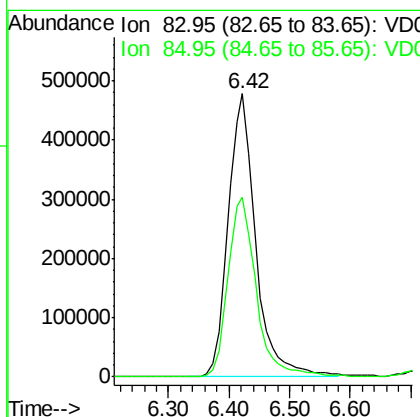
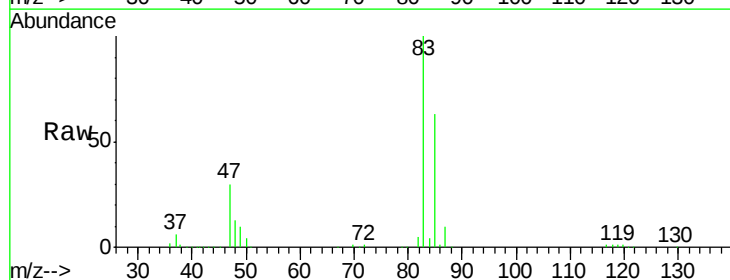
Manual Integrations
APPROVED

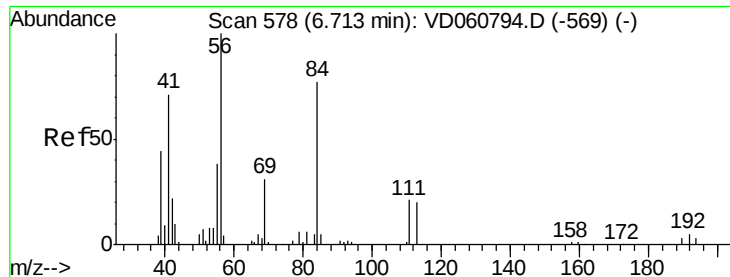
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#30
Chloroform
Concen: 96.911 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5





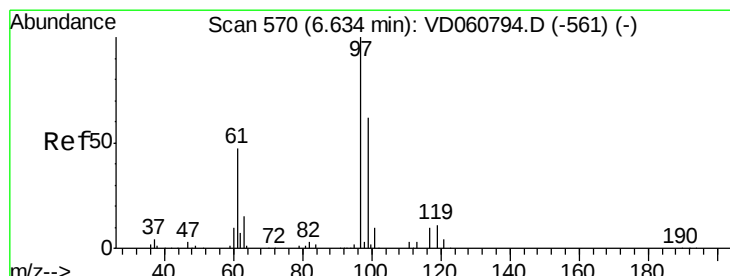
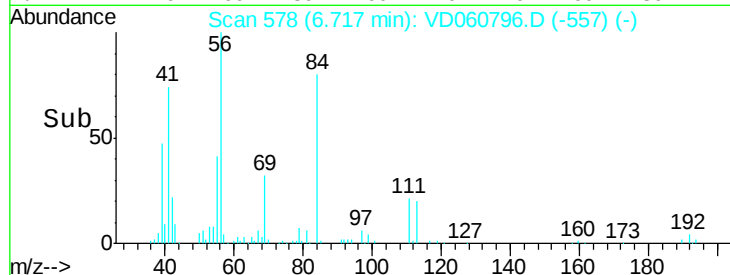
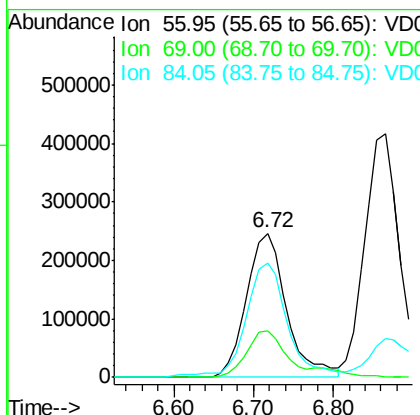
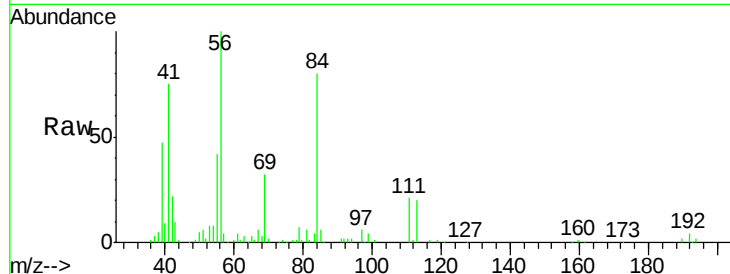
#31
Cvclohexane
Concen: 95.366 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.1	37.7
84	79.9	63.9	95.9

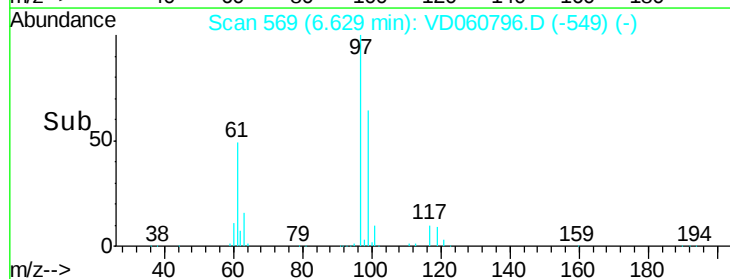
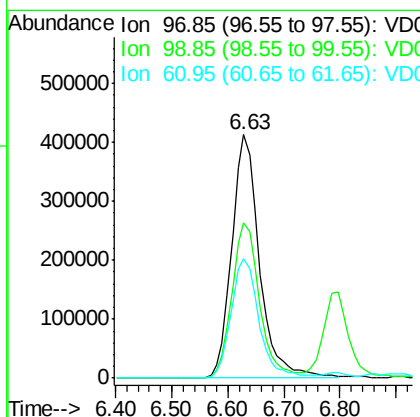
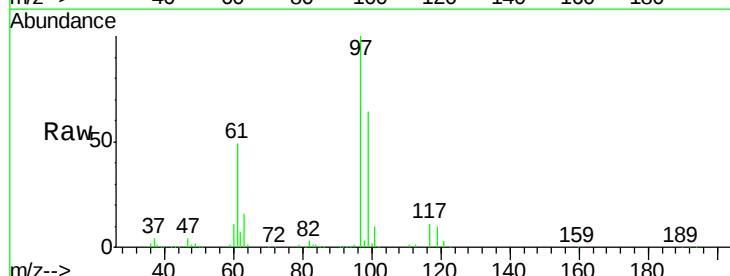
Manual Integrations
APPROVED

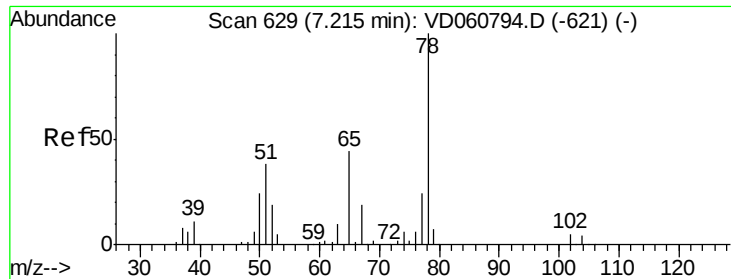
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#32
1,1,1-Trichloroethane
Concen: 94.597 ug/l
RT: 6.63 min Scan# 569
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	49.6	74.4
61	49.2	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 94.597 ug/l

RT: 7.21 min Scan# 628

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 910017

Ion Ratio Lower Upper

65 100

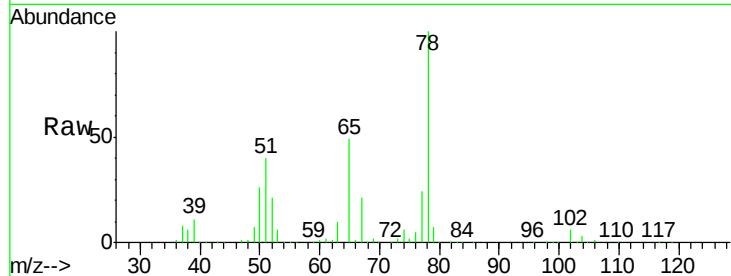
67 42.5 0.0 85.8

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.21

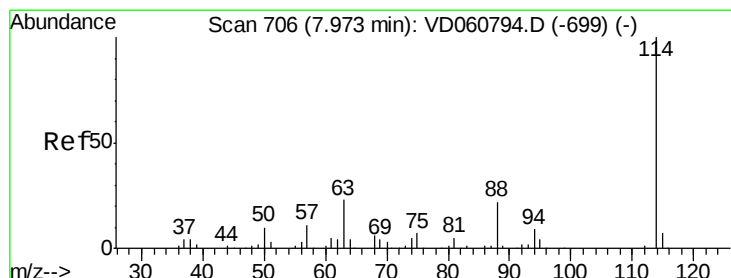
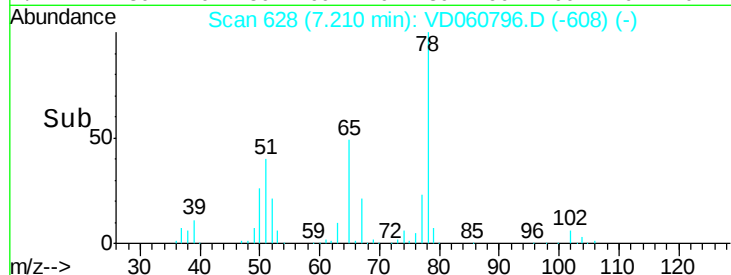
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

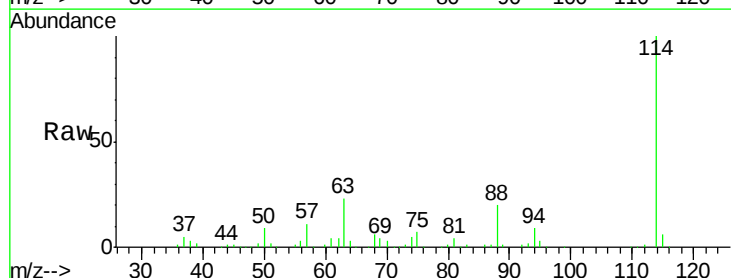
Tgt Ion: 114 Resp: 865179

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.6

88 20.2 0.0 44.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.98

400000

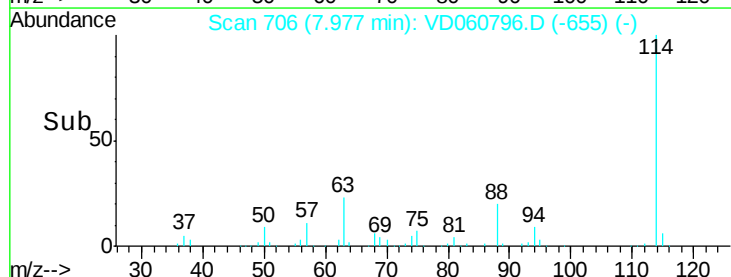
300000

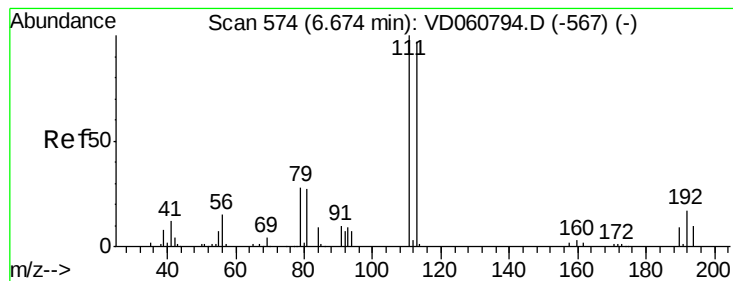
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 574

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

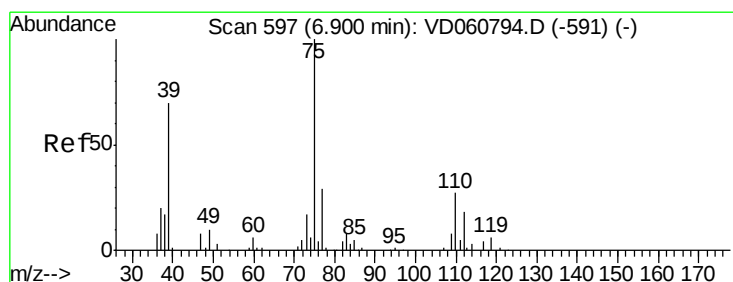
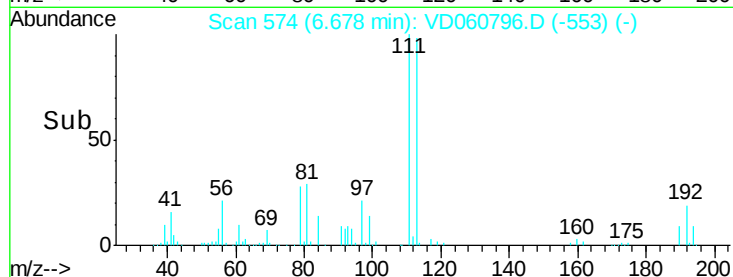
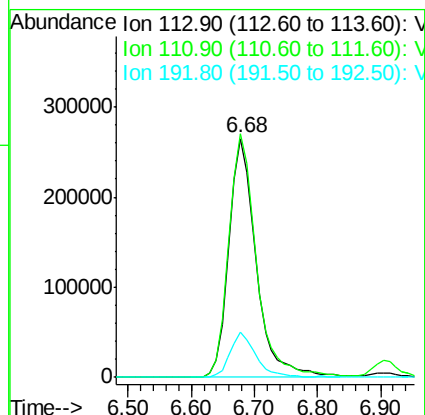
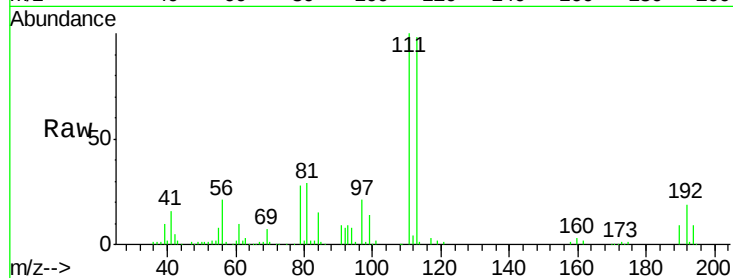
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	794195
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	19.0	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 92.444 ug/l

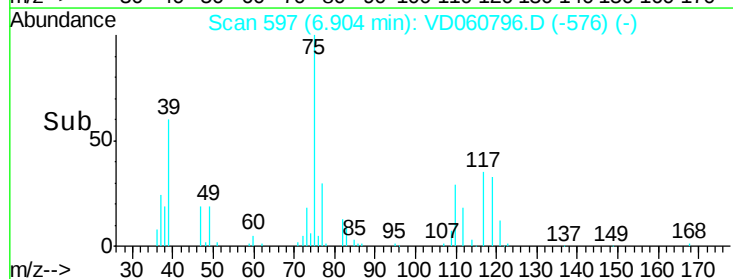
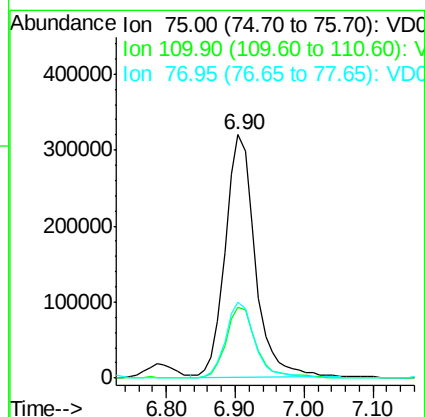
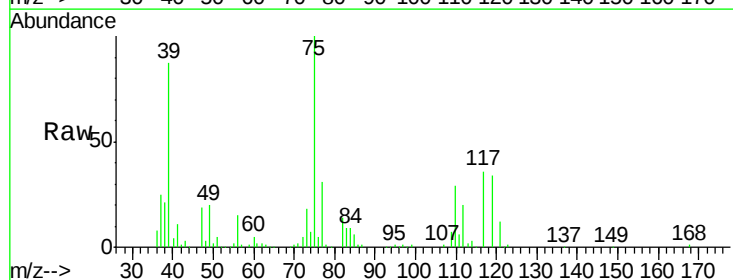
RT: 6.90 min Scan# 597

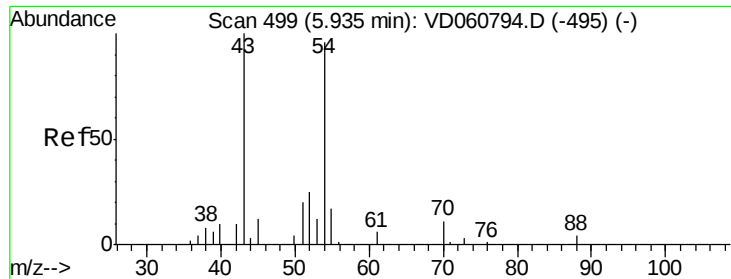
Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Tgt Ion:	75	Resp:	954956
Ion	Ratio	Lower	Upper
75	100		
110	28.8	13.5	40.4
77	31.0	23.4	35.2





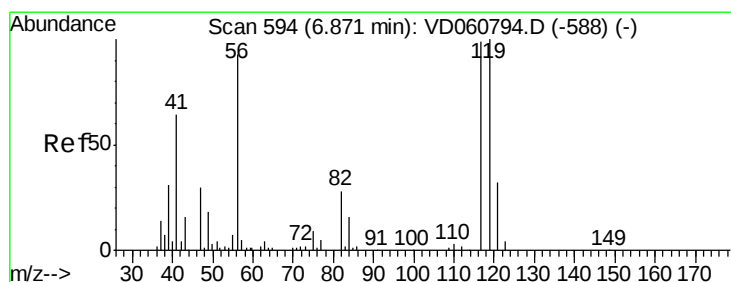
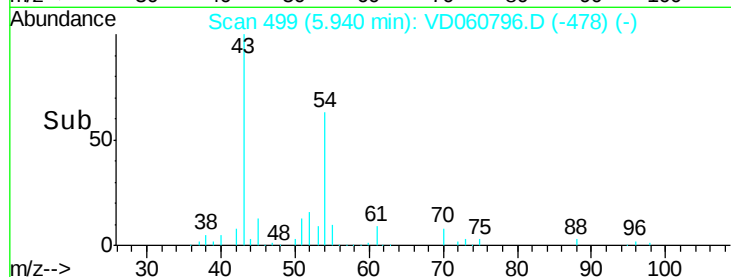
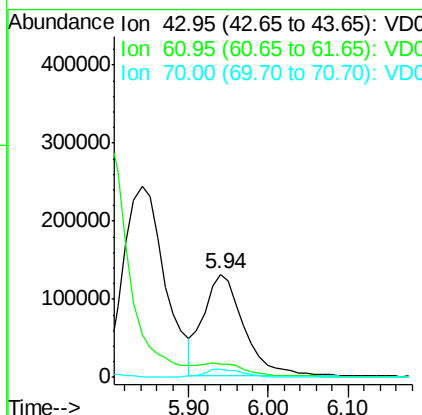
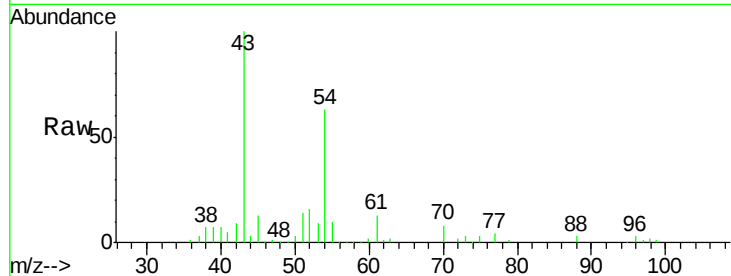
#37
Ethyl Acetate
Concen: 99.596 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.3	18.5
70	7.9	7.4	11.0

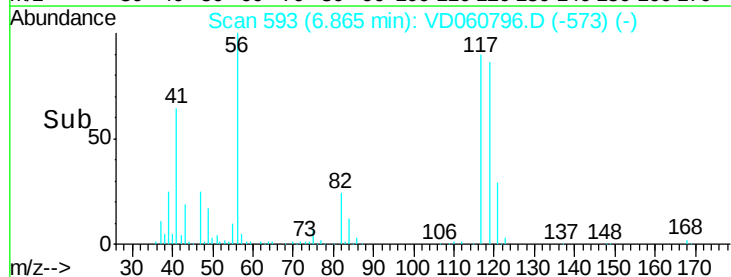
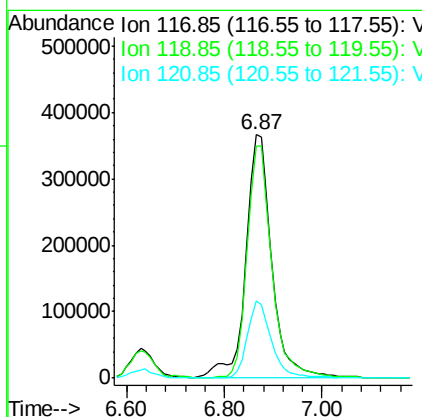
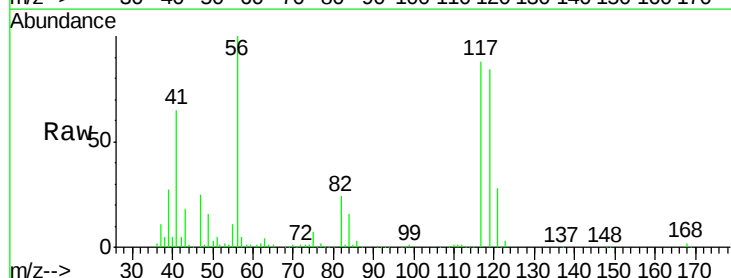
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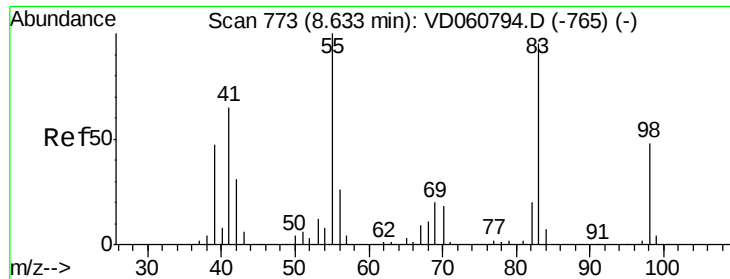
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#38
Carbon Tetrachloride
Concen: 103.145 ug/l
RT: 6.87 min Scan# 593
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
121	31.7	23.4	35.2





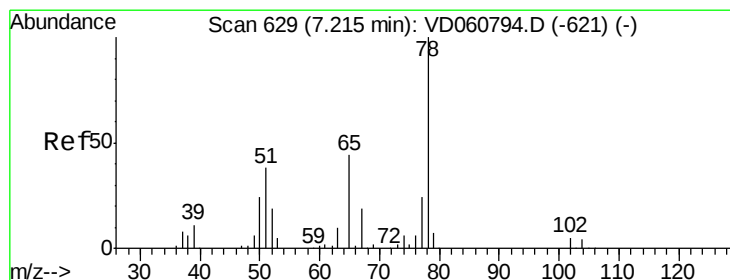
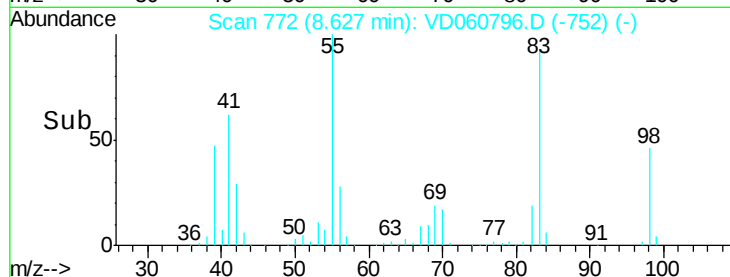
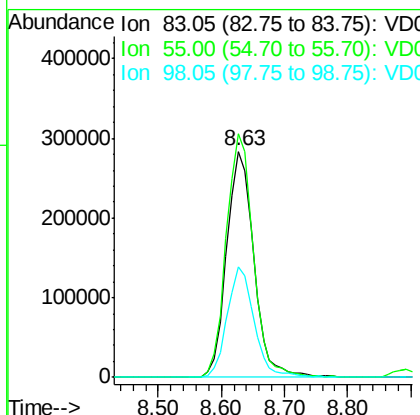
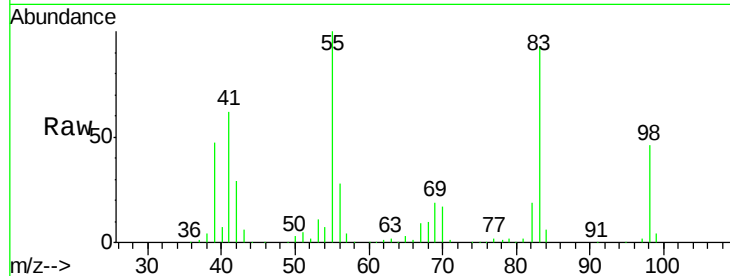
#39
Methvlcvclohexane
Concen: 97.953 ug/l
RT: 8.63 min Scan# 772
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	847380
Ion Ratio	100	Lower	Upper
83	100		
55	107.6	83.8	125.8
98	49.0	39.8	59.8

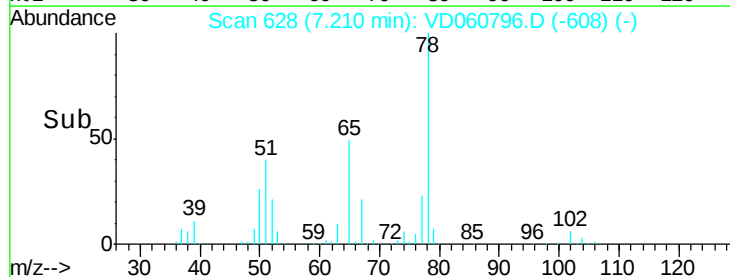
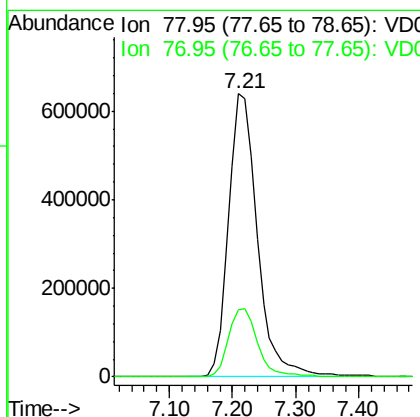
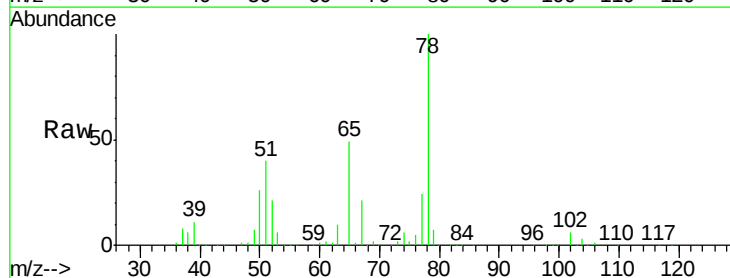
Manual Integrations
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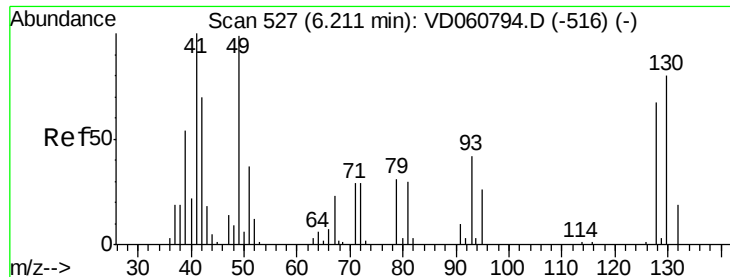
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#40
Benzene
Concen: 99.210 ug/l
RT: 7.21 min Scan# 628
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	78	Resp	2022691
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.9	28.3





#41

Methacrylonitrile

Concen: 94.651 ug/l m

RT: 6.22 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060796.D

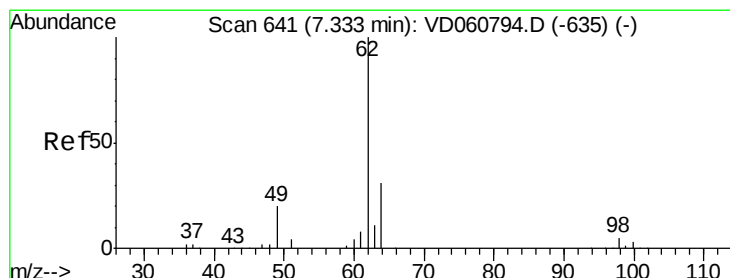
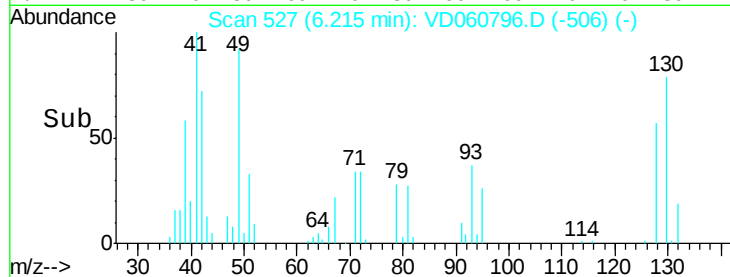
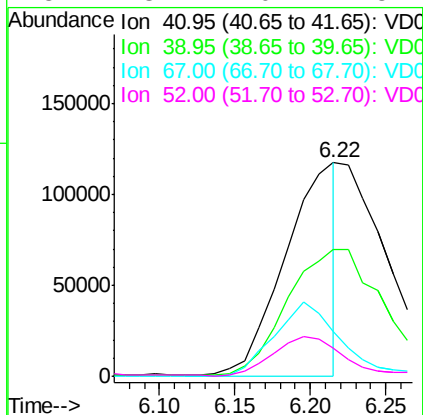
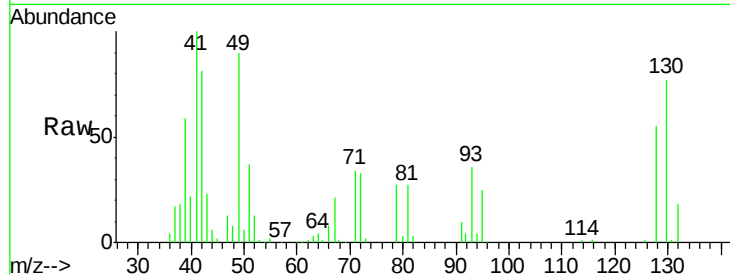
Acq: 28 Jan 2019 17:35

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.2	43.6	65.4
67	21.1	18.5	27.7
52	13.4	10.2	15.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 100.369 ug/l

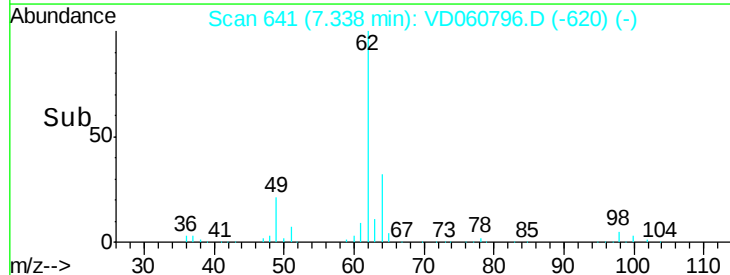
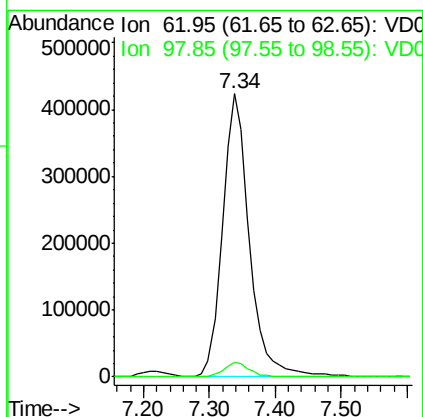
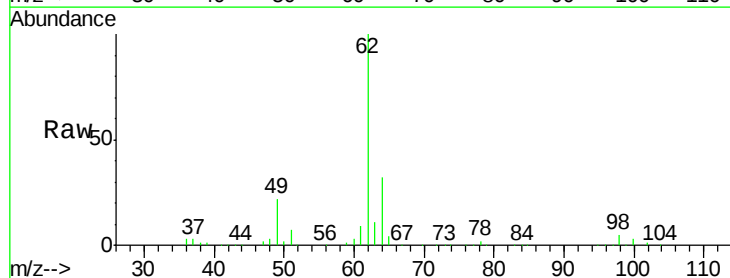
RT: 7.34 min Scan# 641

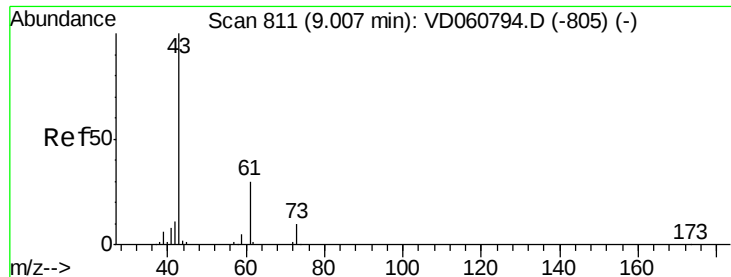
Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	10.2





#43

Isopropyl Acetate

Concen: 105.823 ug/l

RT: 9.00 min Scan# 810

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

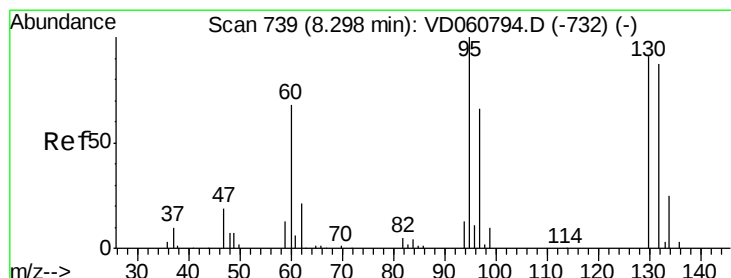
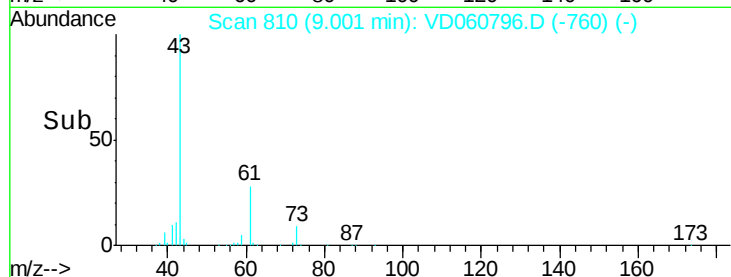
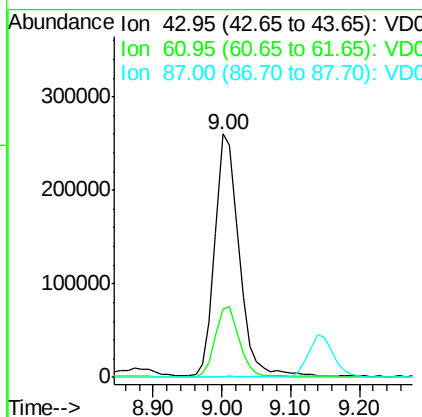
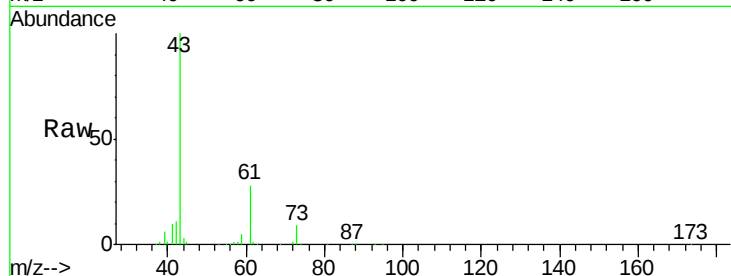
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	636452
Ion	Ratio	Lower	Upper
43	100		
61	28.0	24.1	36.1
87	0.4	0.0	0.0

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#44

Trichloroethene

Concen: 99.832 ug/l

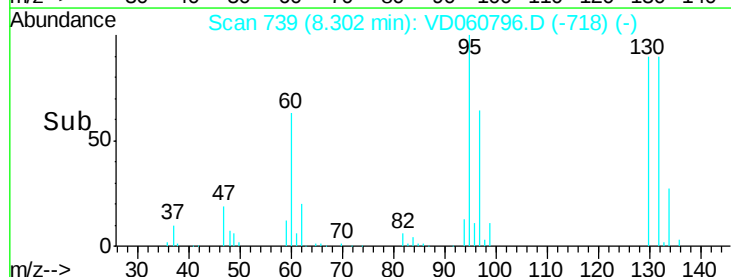
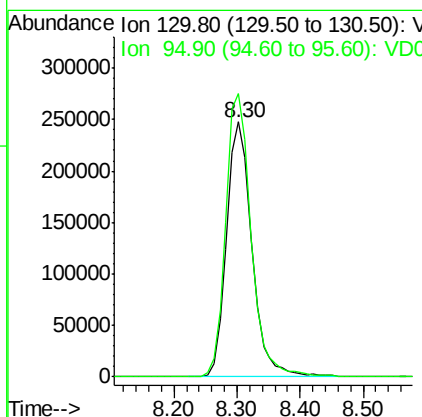
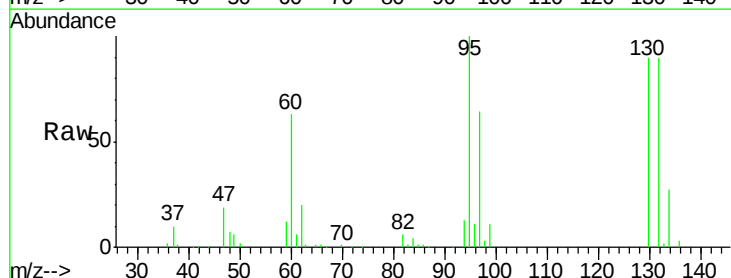
RT: 8.30 min Scan# 739

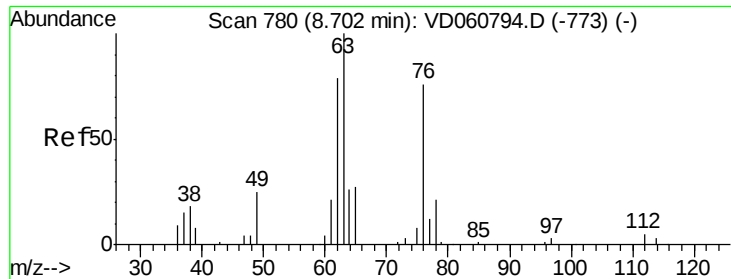
Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Tgt Ion:	130	Resp:	689991
Ion	Ratio	Lower	Upper
130	100		
95	111.1	0.0	221.0





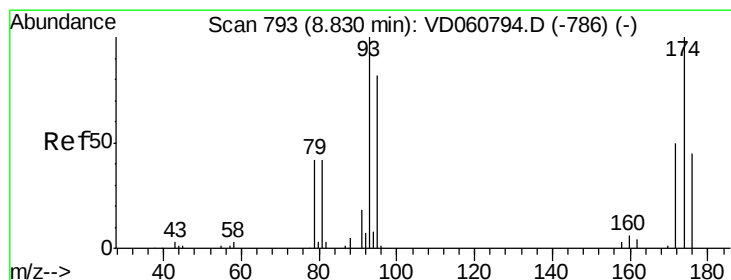
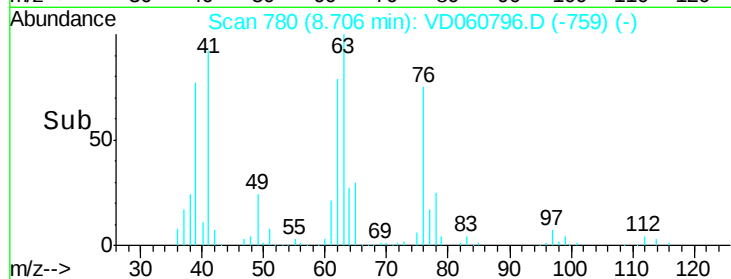
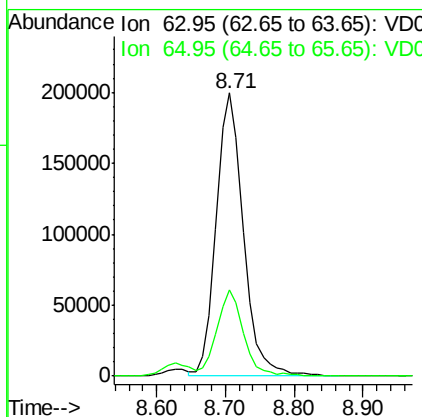
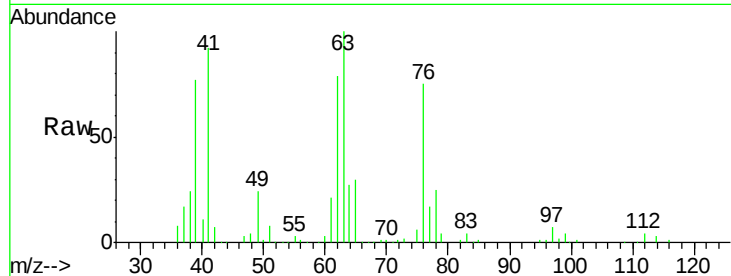
#45
 1,2-Dichloropropane
 Concen: 98.286 ug/l
 RT: 8.71 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 542444
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.1 36.1

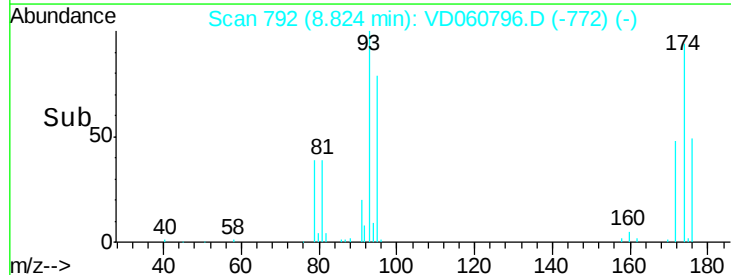
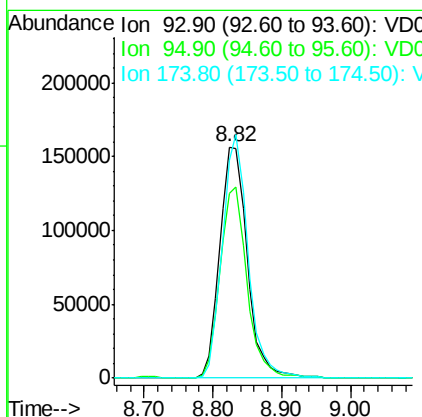
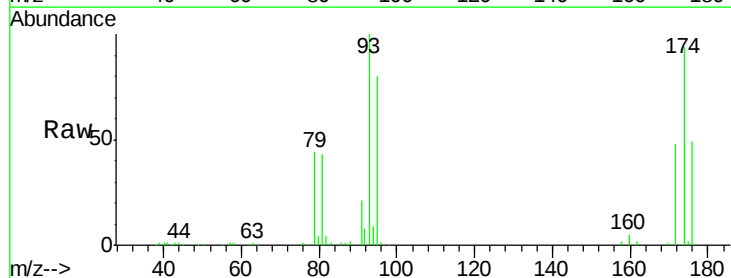
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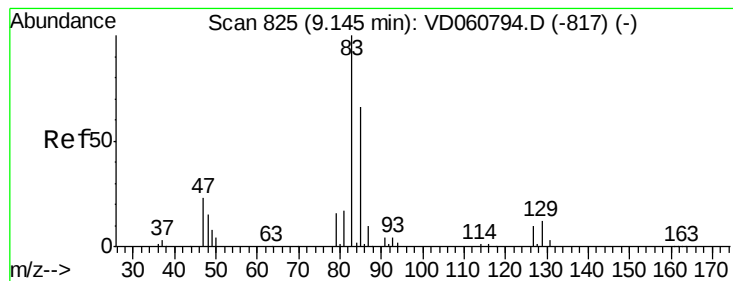
MMDadoda
 1/29/2019 4:55:51 PM



#46
 Dibromomethane
 Concen: 101.574 ug/l
 RT: 8.82 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 93 Resp: 435184
 Ion Ratio Lower Upper
 93 100
 95 79.7 65.8 98.8
 174 94.0 79.8 119.6





#47

Bromodichloromethane

Concen: 100.188 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1158620

Ion Ratio Lower Upper

83 100

85 64.1 52.6 79.0

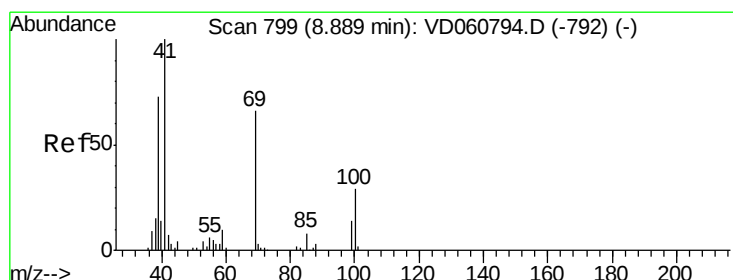
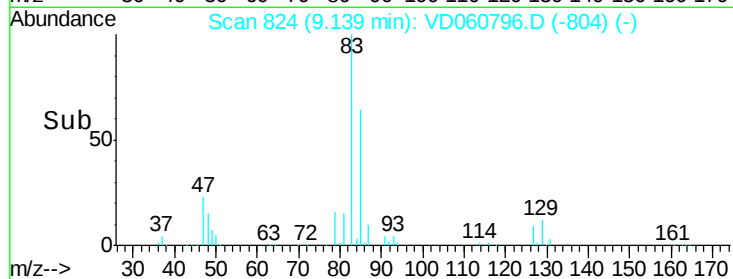
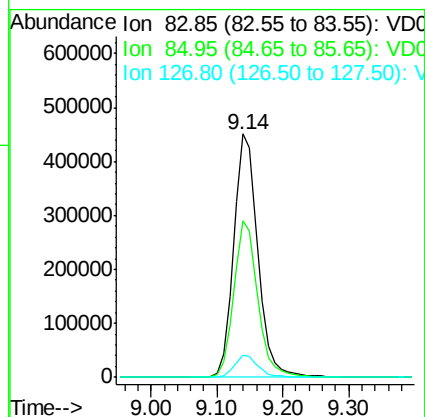
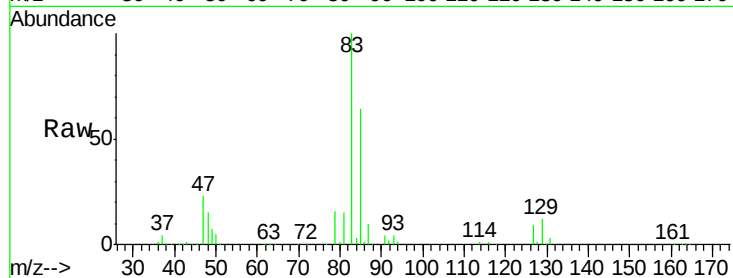
127 9.2 7.7 11.5

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#48

Methyl methacrylate

Concen: 101.922 ug/l

RT: 8.89 min Scan# 799

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

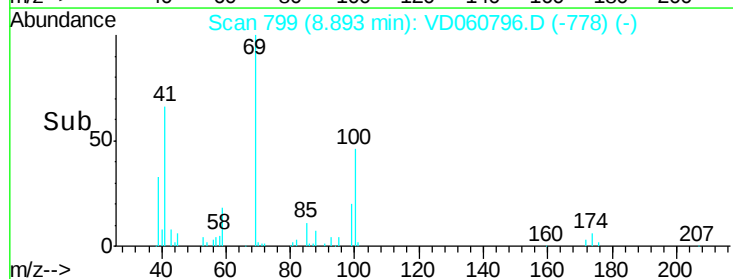
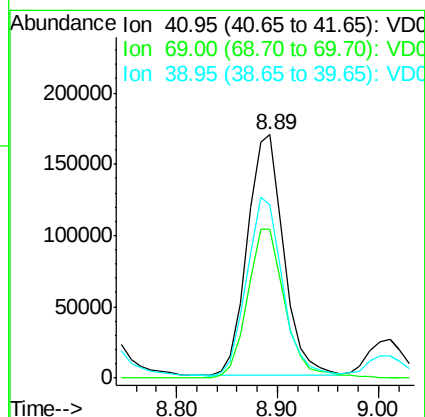
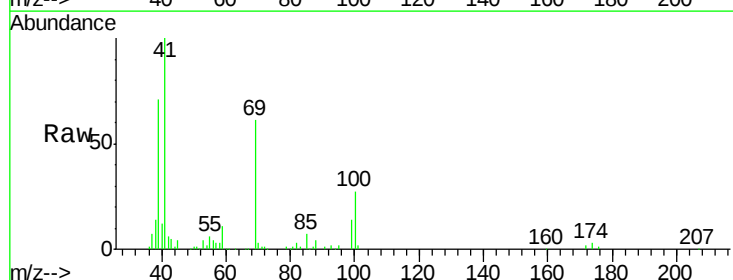
Tgt Ion: 41 Resp: 422712

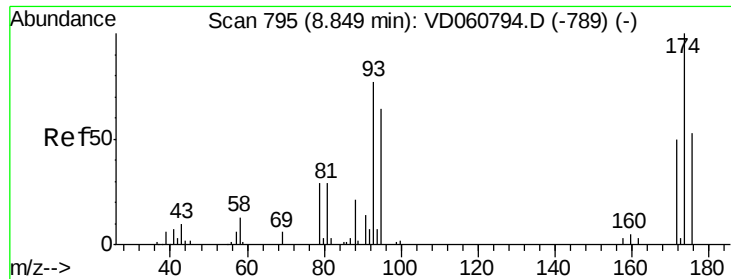
Ion Ratio Lower Upper

41 100

69 61.1 52.5 78.7

39 71.1 59.0 88.6





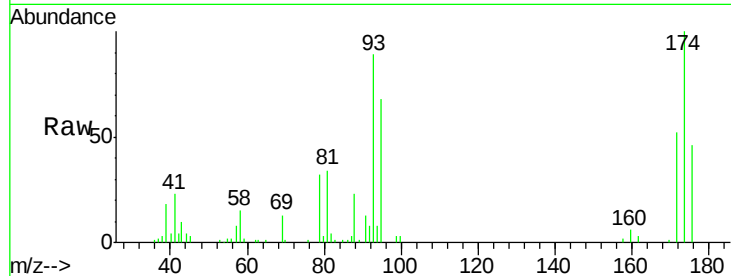
#49
1,4-Dioxane
Concen: 2236.273 ug/l
RT: 8.85 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

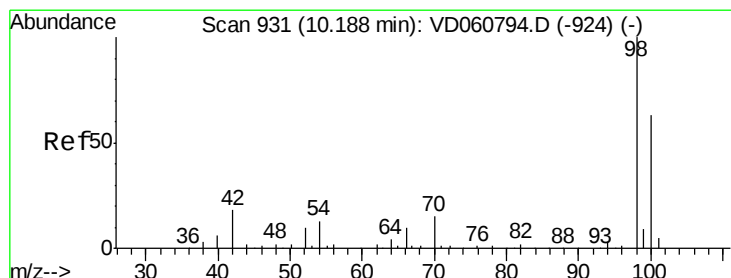
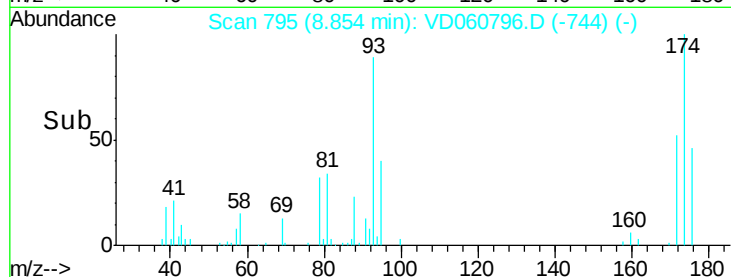
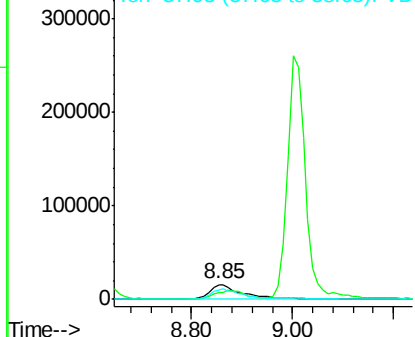
Tot Ion	88	Resp	71907
Ion	Ratio	Lower	Upper
88	100		
43	43.5	40.9	61.3
58	66.3	52.2	78.4

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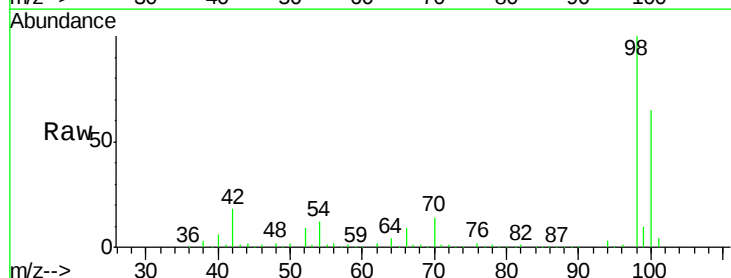


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

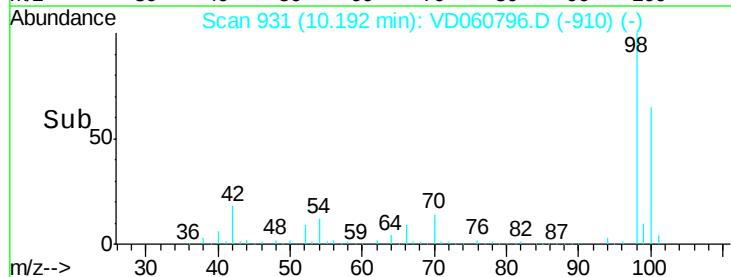
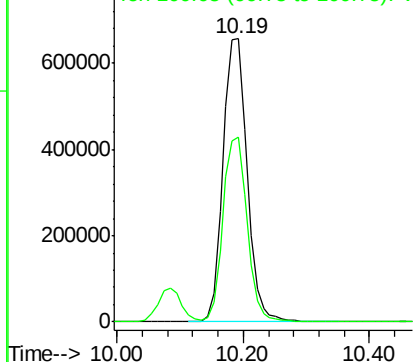


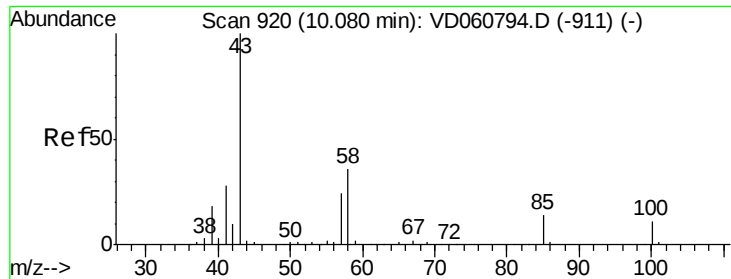
#50
Toluene-d8
Concen: 2236.273 ug/l
RT: 10.19 min Scan# 931
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	98	Resp	1747103
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.0	76.6



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: 487.163 ug/l

RT: 10.08 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1897406

Ion Ratio Lower Upper

43 100

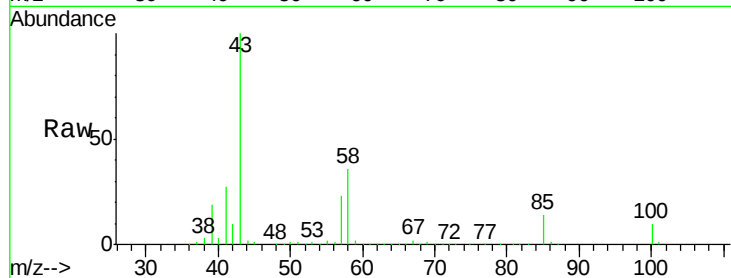
58 35.8 28.4 42.6

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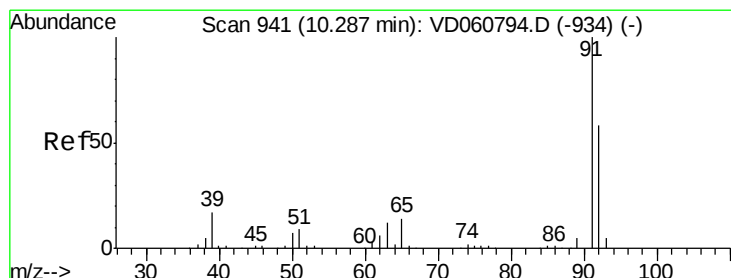
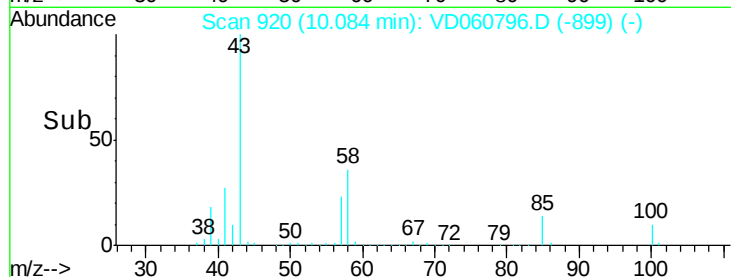
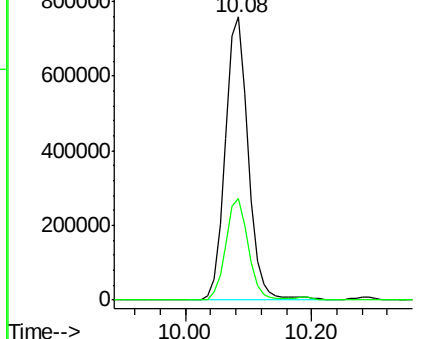
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 89.407 ug/l

RT: 10.29 min Scan# 941

Delta R.T. 0.00 min

Lab File: VD060796.D

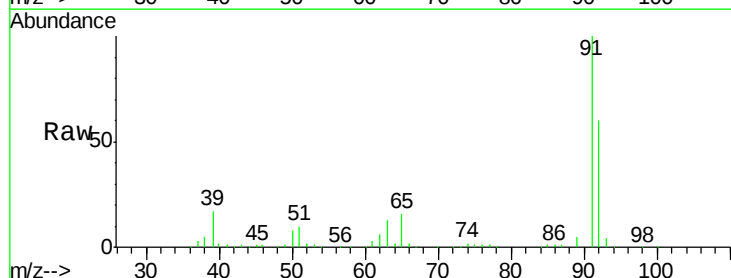
Acq: 28 Jan 2019 17:35

Tgt Ion: 92 Resp: 1156264

Ion Ratio Lower Upper

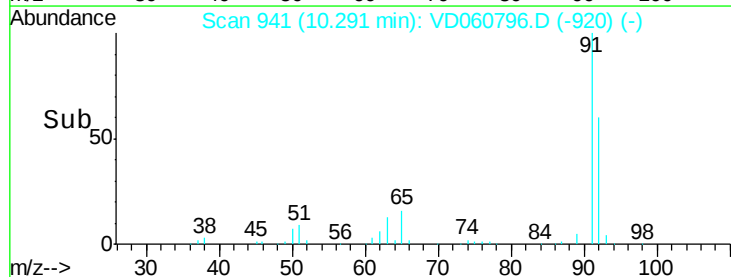
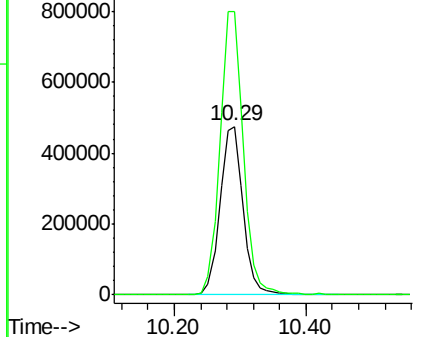
92 100

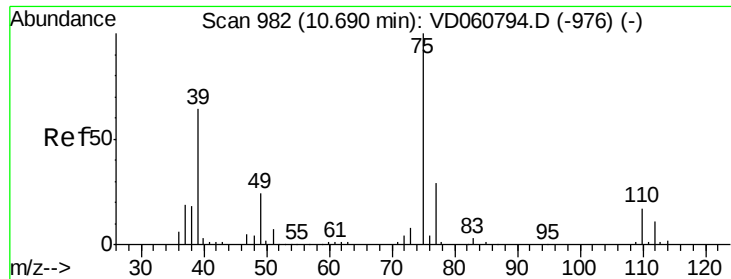
91 167.7 137.7 206.5



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: 100.730 ug/l

RT: 10.69 min Scan# 982

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1024656

Ion Ratio Lower Upper

75 100

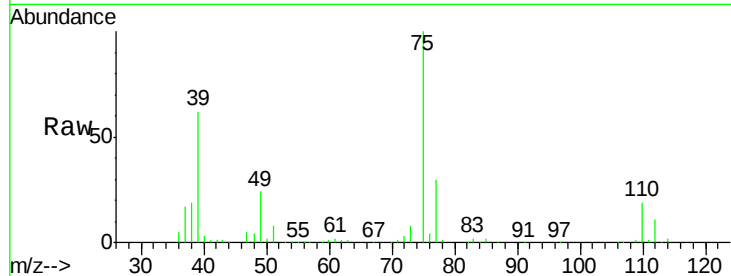
77 30.3 23.0 34.6

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.69

500000

400000

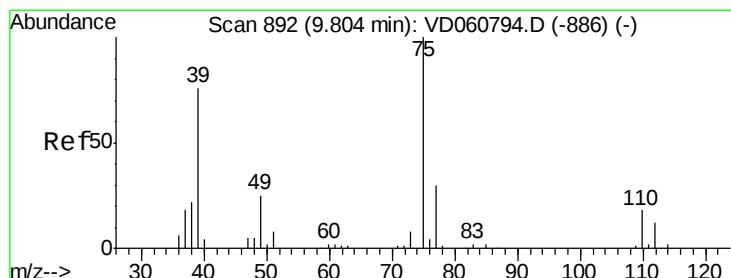
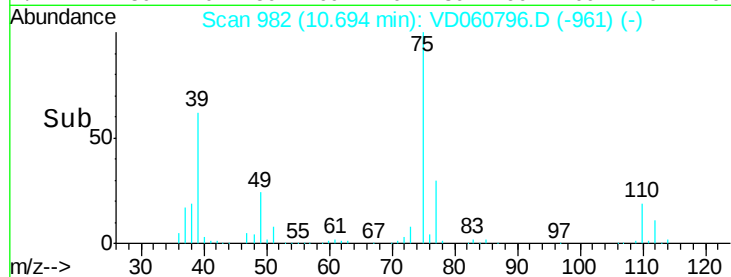
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 99.392 ug/l

RT: 9.81 min Scan# 892

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

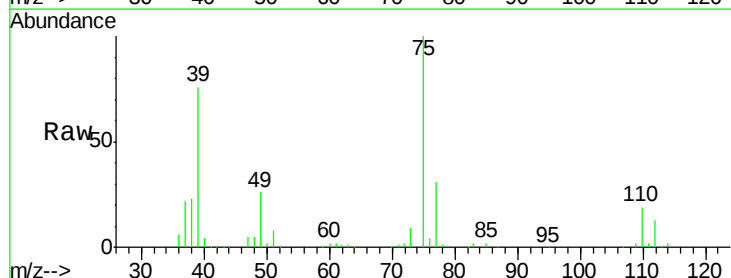
Tgt Ion: 75 Resp: 1036792

Ion Ratio Lower Upper

75 100

77 30.8 23.9 35.9

39 76.3 60.4 90.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.81

500000

400000

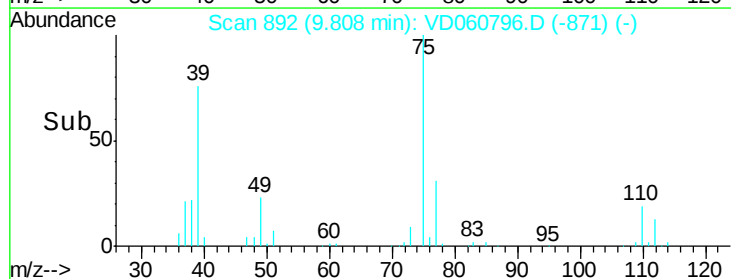
300000

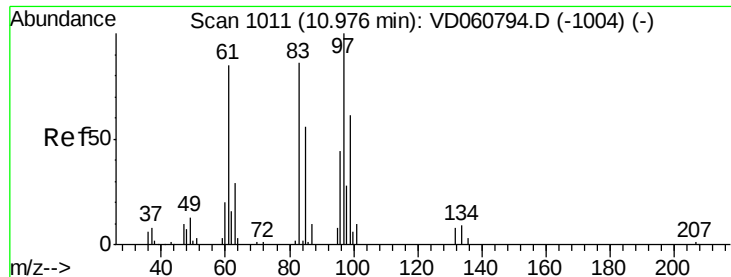
200000

100000

0

Time-->





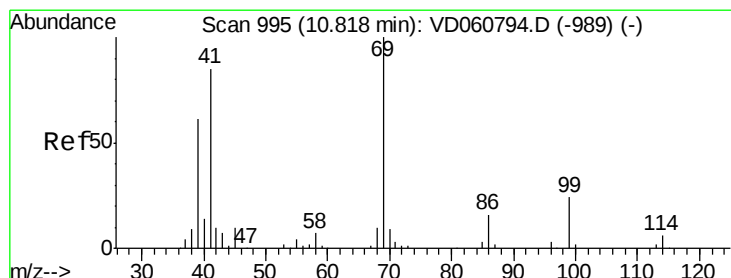
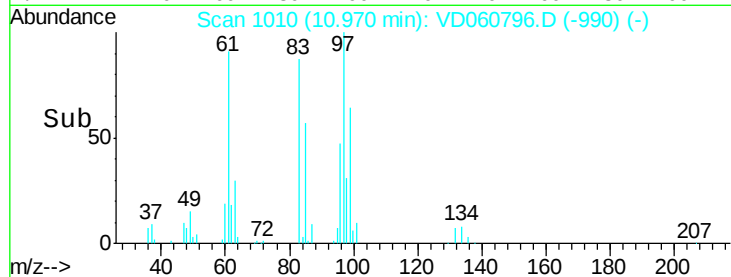
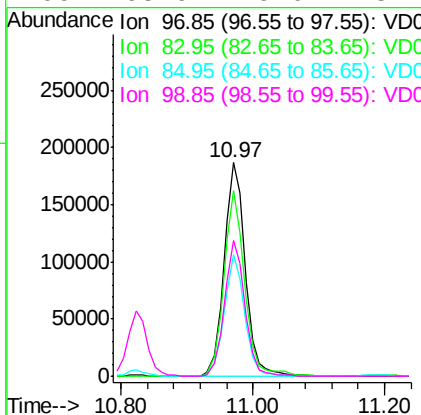
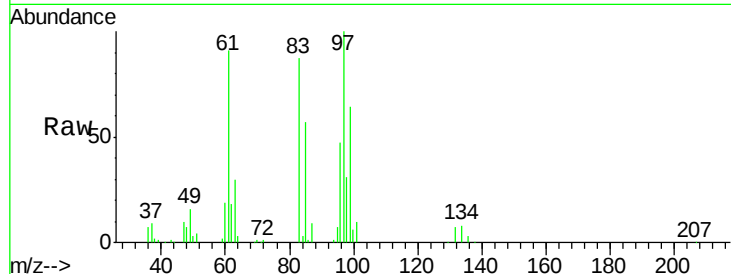
#55
 1,1,2-Trichloroethane
 Concen: 95.321 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	420296		
83	86.7	68.5	102.7	
85	56.7	45.0	67.6	
99	63.6	49.0	73.4	

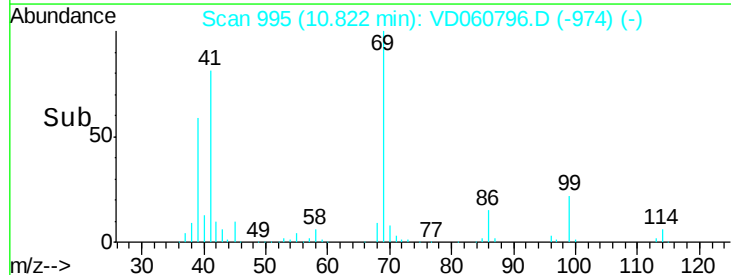
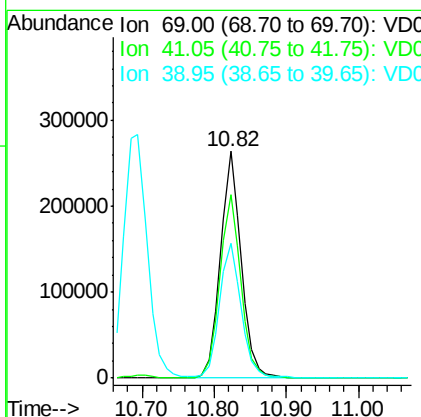
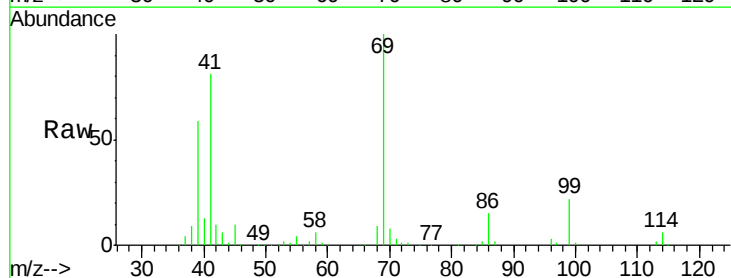
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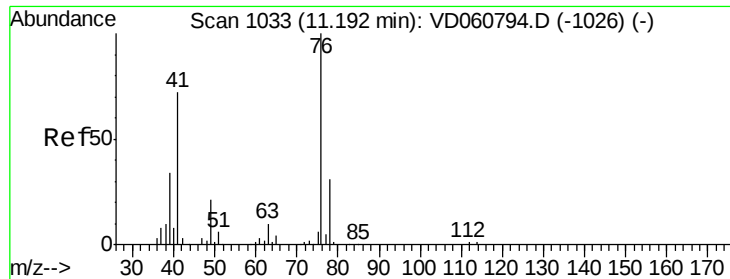
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 1/29/2019 4:55:51 PM



#56
 Ethyl methacrylate
 Concen: 98.175 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	524390		
41	80.9	68.2	102.2	
39	59.3	49.4	74.0	





#57

1,3-Dichloropropane

Concen: 100.633 ug/l

RT: 11.19 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 758344

Ion Ratio Lower Upper

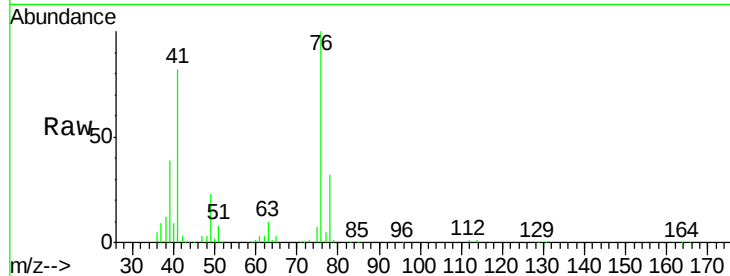
76 100

78 32.0 24.5 36.7

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.19

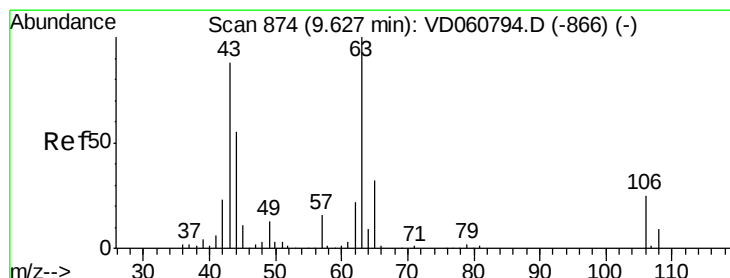
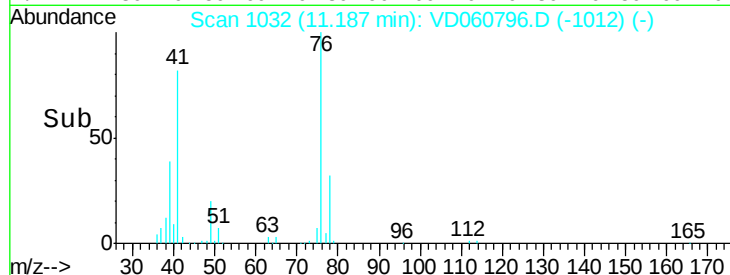
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 471.771 ug/l

RT: 9.63 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD060796.D

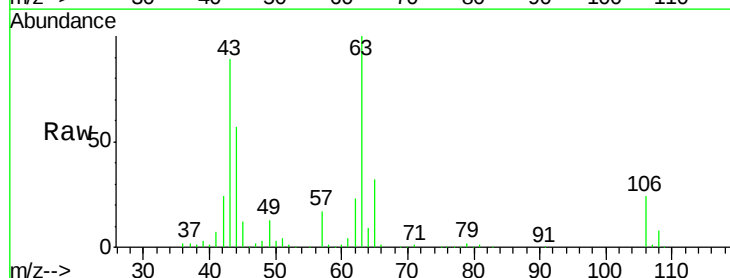
Acq: 28 Jan 2019 17:35

Tgt Ion: 63 Resp: 1322184

Ion Ratio Lower Upper

63 100

106 24.0 19.9 29.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.63

600000

500000

400000

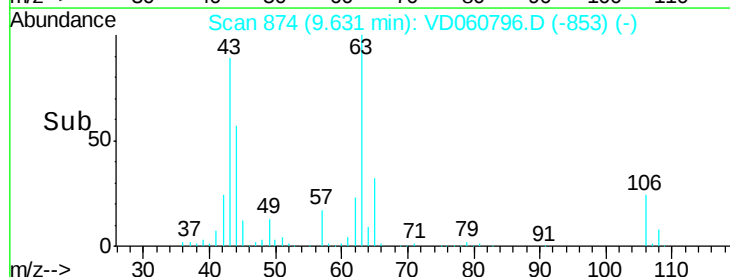
300000

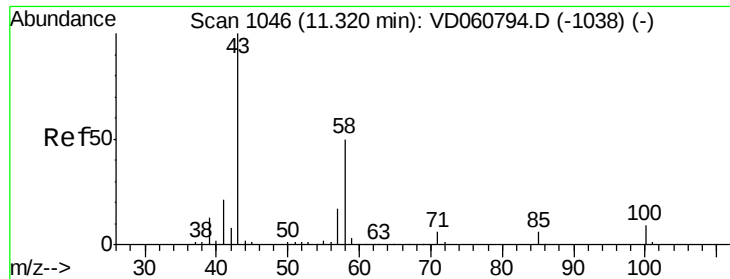
200000

100000

0

Time-->





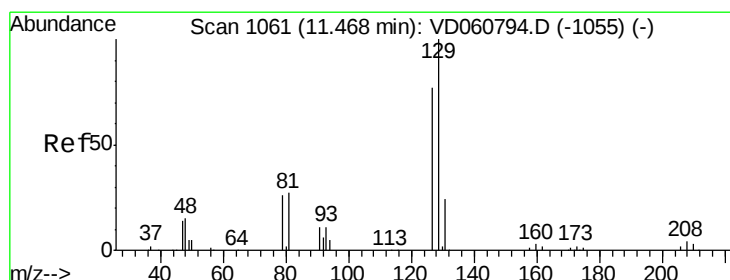
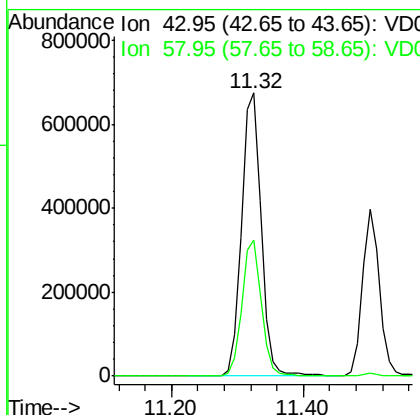
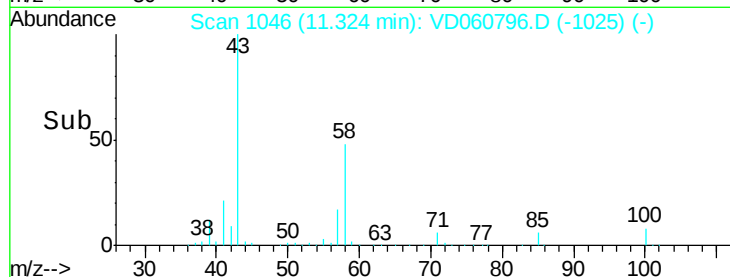
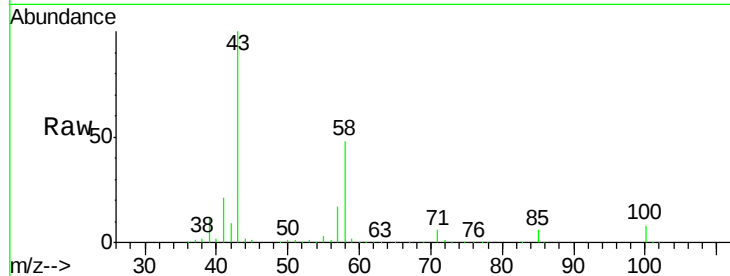
#59
2-Hexanone
Concen: 482.914 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1414220
Ion Ratio Lower Upper
43 100
58 48.1 25.0 75.0

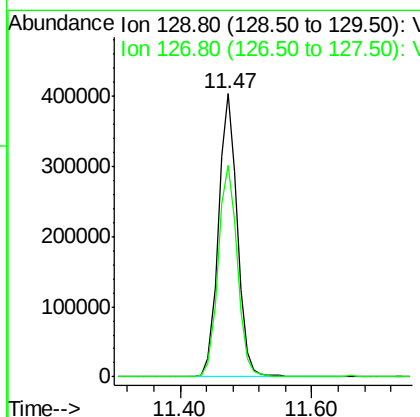
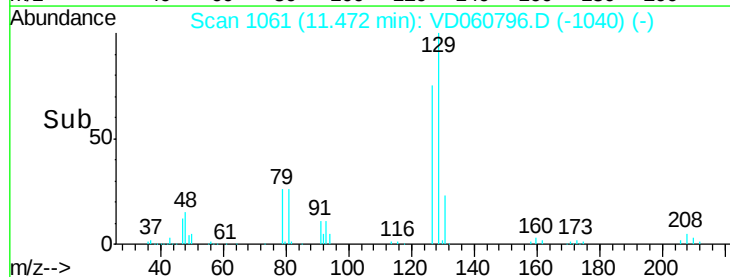
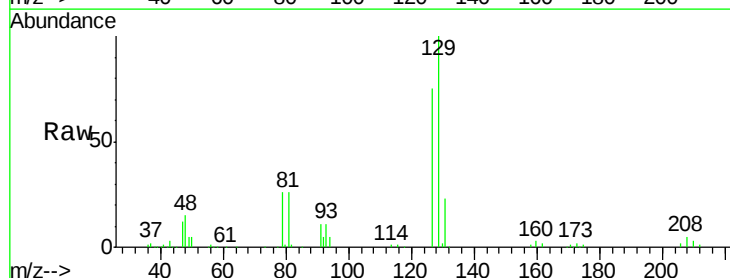
Manual Integrations
APPROVED

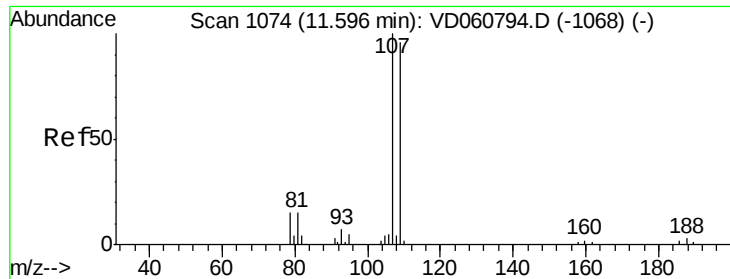
MMDadoda
1/29/2019 4:55:51 PM



#60
Dibromochloromethane
Concen: 101.016 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 129 Resp: 800754
Ion Ratio Lower Upper
129 100
127 74.9 38.6 115.7





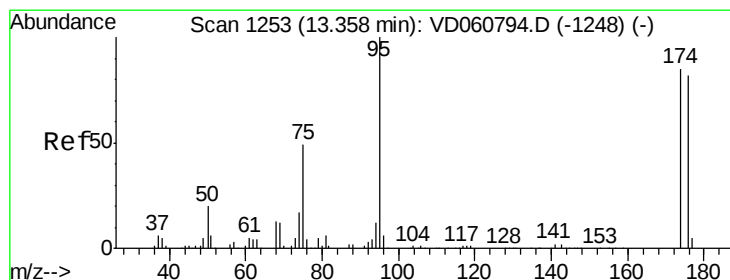
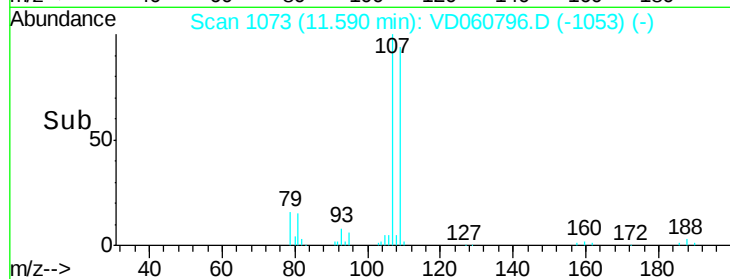
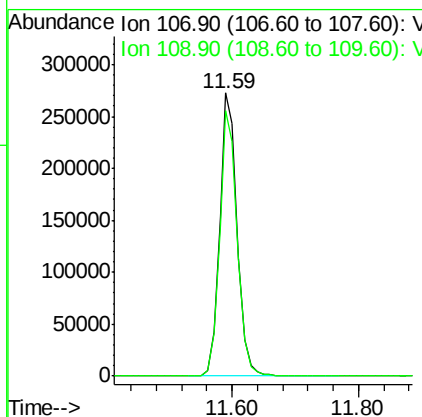
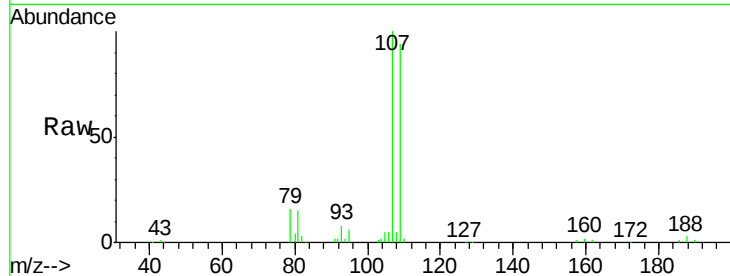
#61
 1,2-Dibromoethane
 Concen: 101.536 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.6	114.8

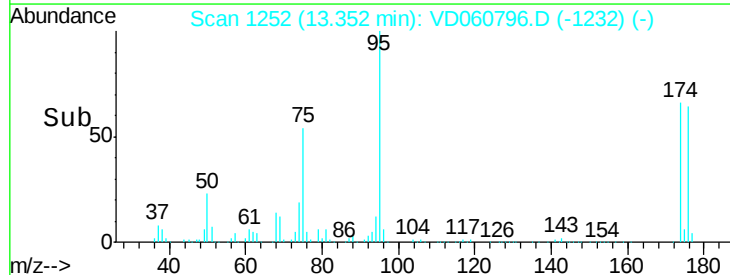
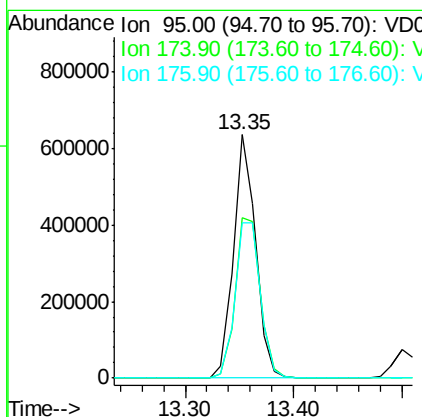
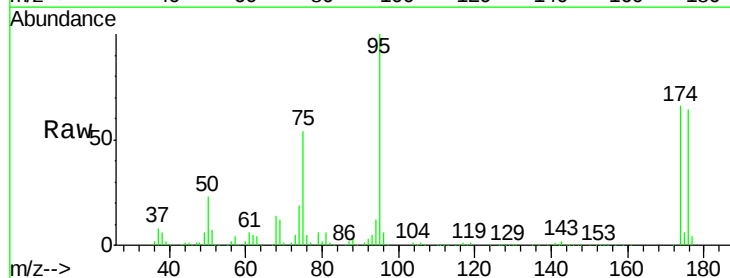
Manual Integrations
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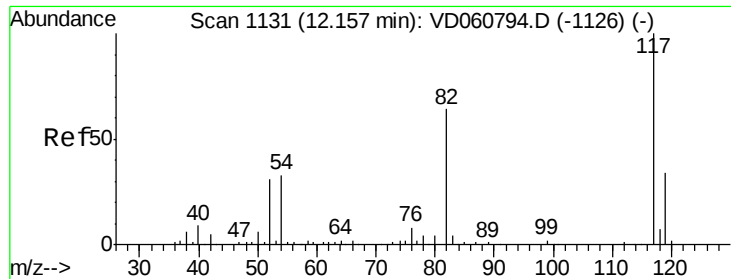
MMDadoda
 1/29/2019 4:55:51 PM



#62
 4-Bromofluorobenzene
 Concen: 101.536 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.8	0.0	169.6
176	63.7	0.0	163.8





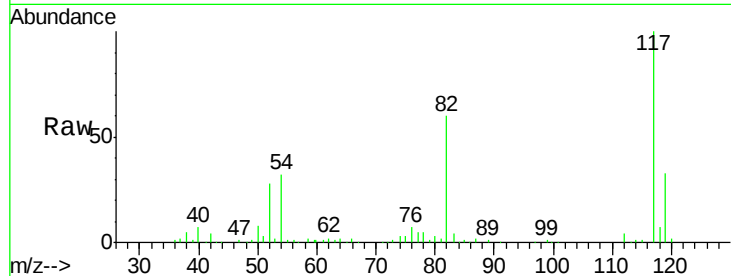
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	51.5	77.3
119	32.7	27.1	40.7

Manual Integrations
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1/29/2019 4:55:51 PM

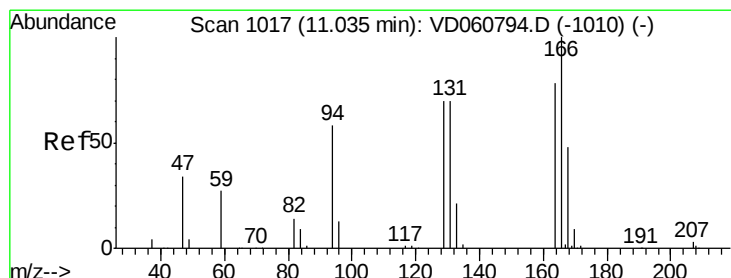
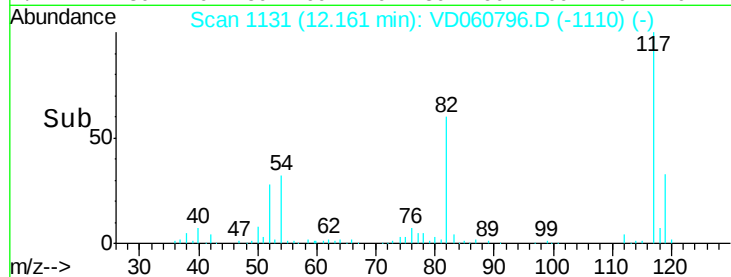
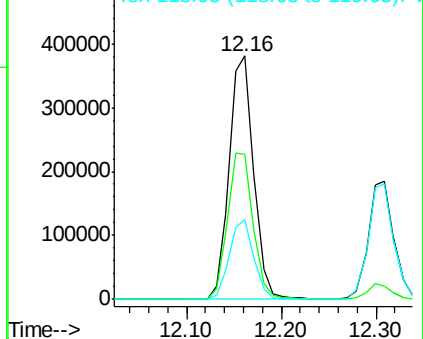


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 94.592 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.6	154.0
129	92.2	72.3	108.5
131	91.1	72.1	108.1

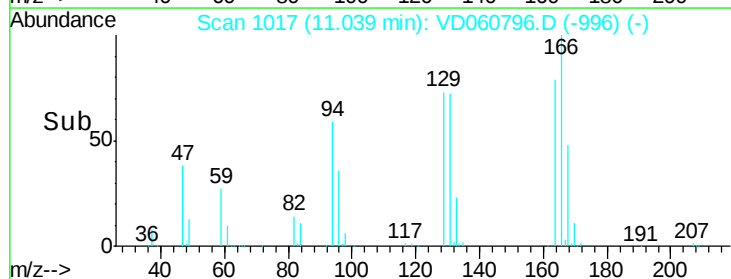
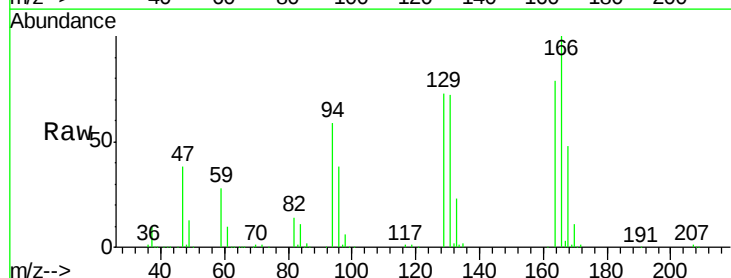
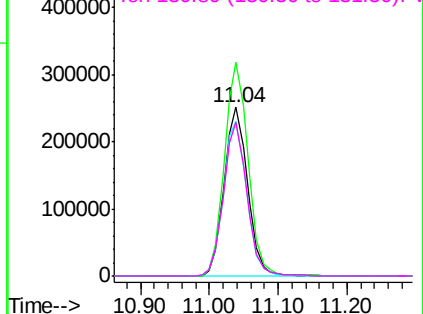
Abundance

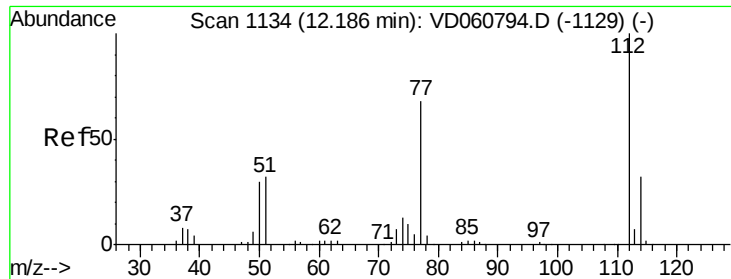
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





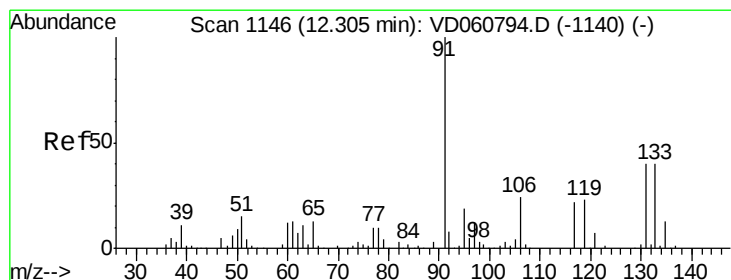
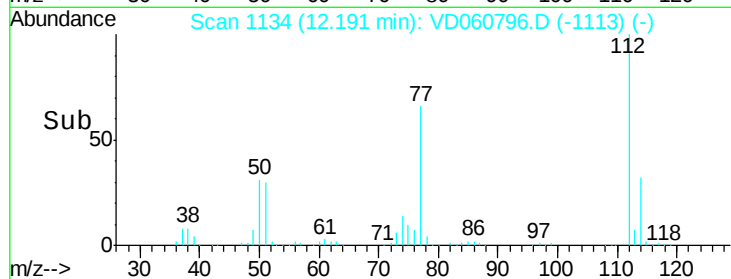
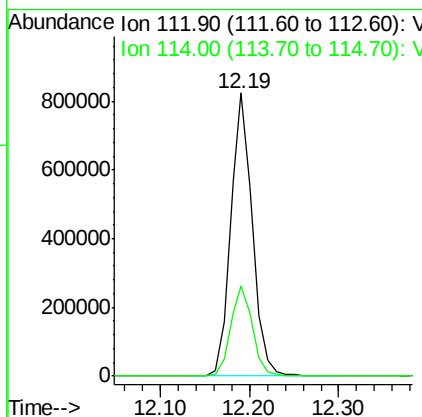
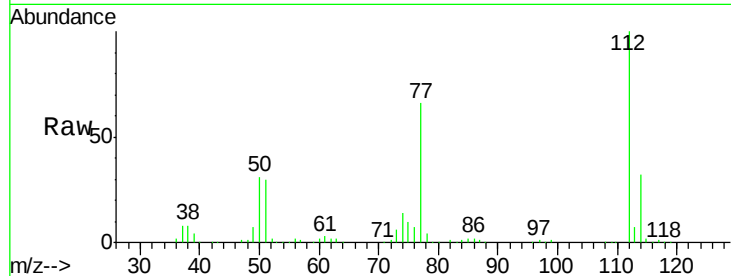
#65
Chlorobenzene
Concen: 89.604 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1401050
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

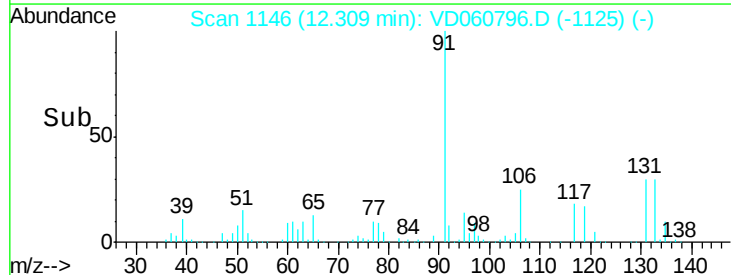
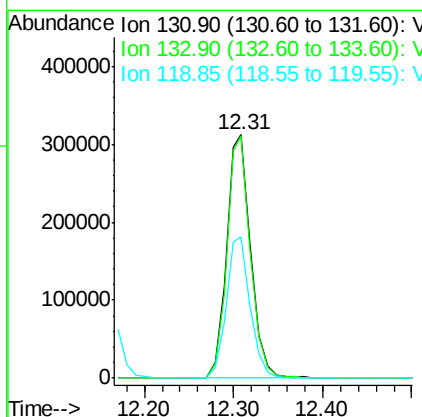
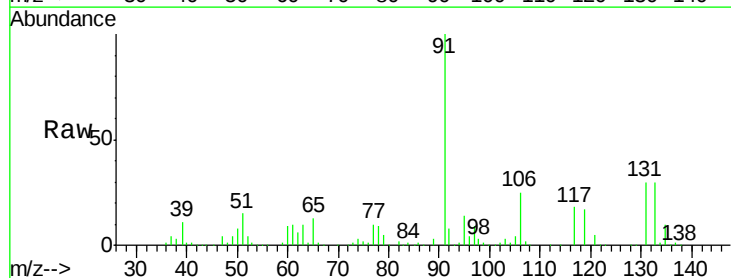
Manual Integrations
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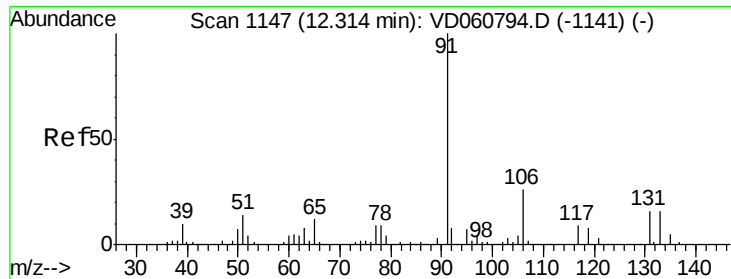
MMDadoda
1/29/2019 4:55:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 88.170 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion:131 Resp: 592299
Ion Ratio Lower Upper
131 100
133 99.3 49.9 149.7
119 57.9 28.5 85.5





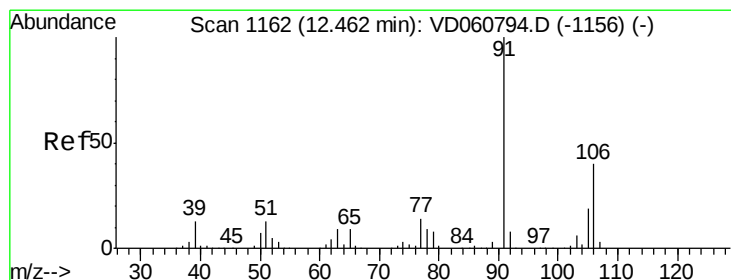
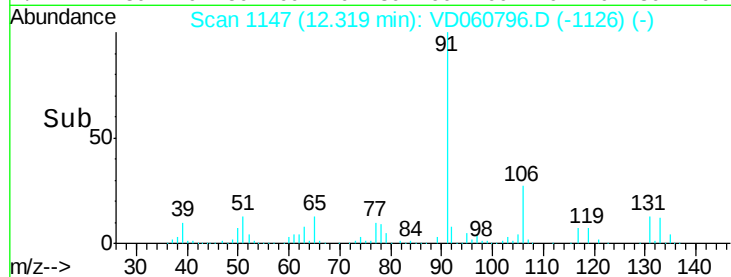
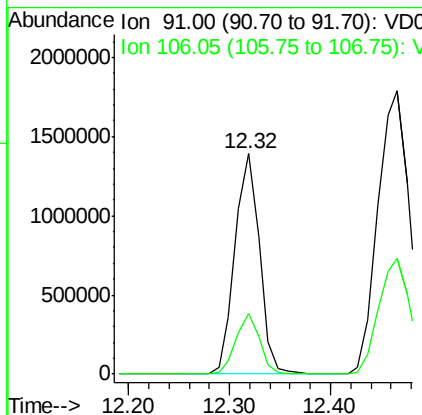
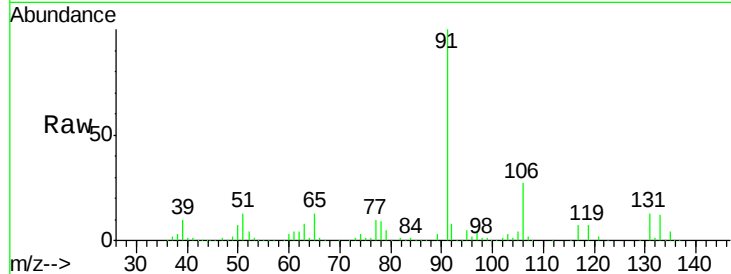
#67
Ethyl Benzene
Concen: 83.902 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2359023
Ion Ratio Lower Upper
91 100
106 27.3 21.0 31.6

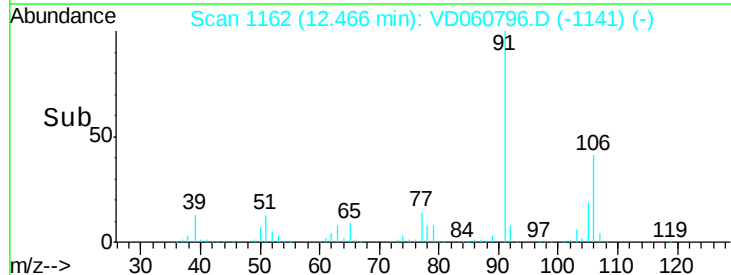
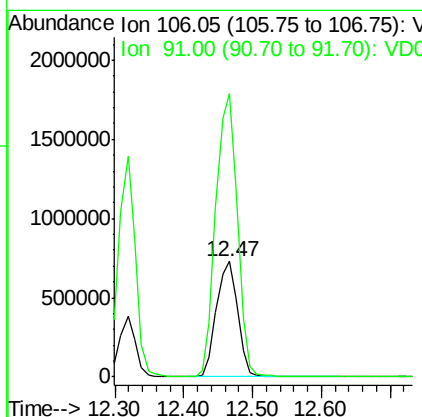
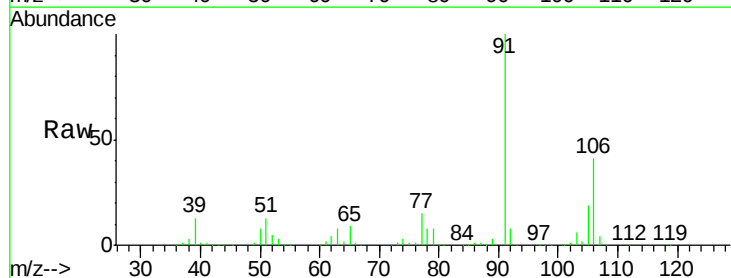
Manual Integrations
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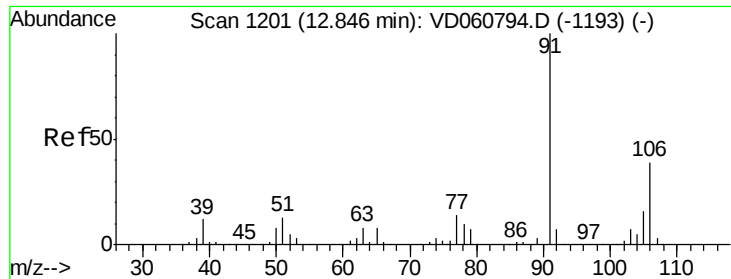
MMDadoda
1/29/2019 4:55:51 PM



#68
m/p-Xylenes
Concen: 170.186 ug/l
RT: 12.47 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 106 Resp: 1556776
Ion Ratio Lower Upper
106 100
91 245.4 200.5 300.7





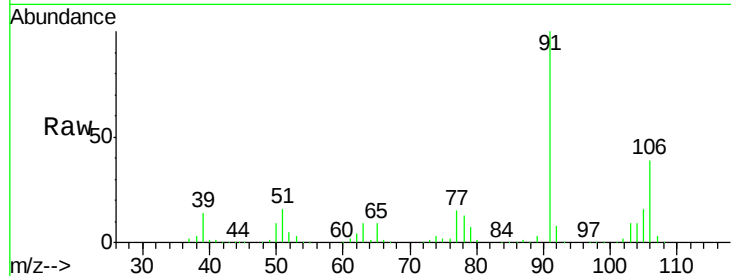
#69
o-Xylene
Concen: 87.930 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

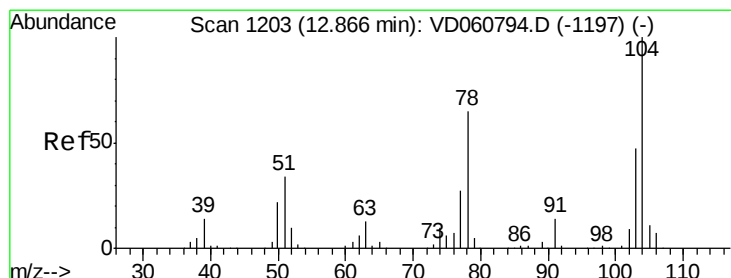
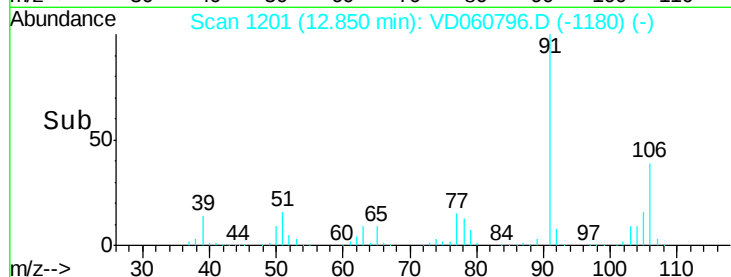
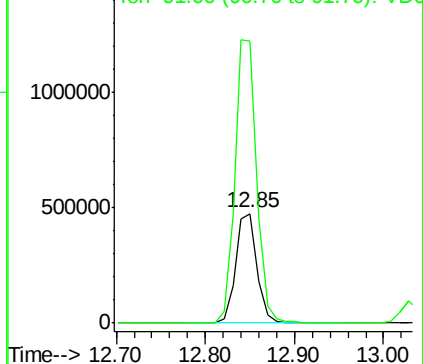
Tot Ion:106 Resp: 796087
Ion Ratio Lower Upper
106 100
91 257.1 127.6 382.7

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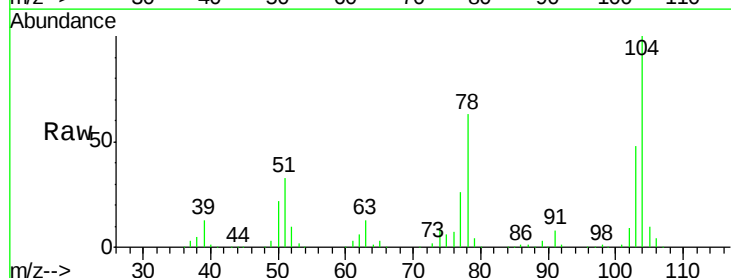


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

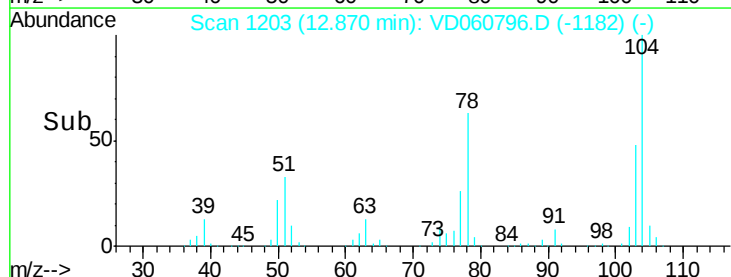
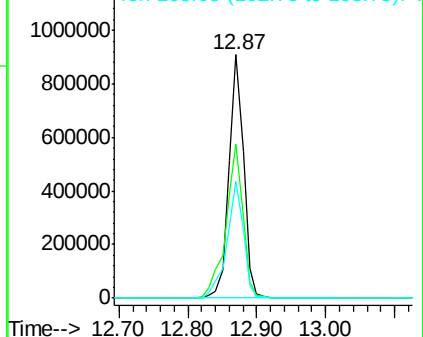


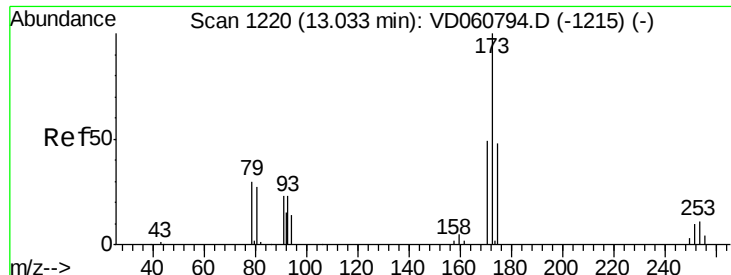
#70
Styrene
Concen: 88.170 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion:104 Resp: 1338614
Ion Ratio Lower Upper
104 100
78 63.5 52.0 78.0
103 47.9 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





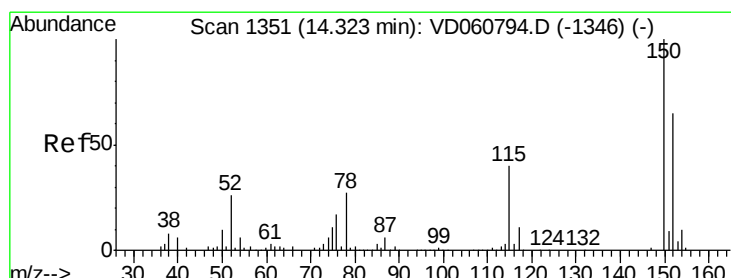
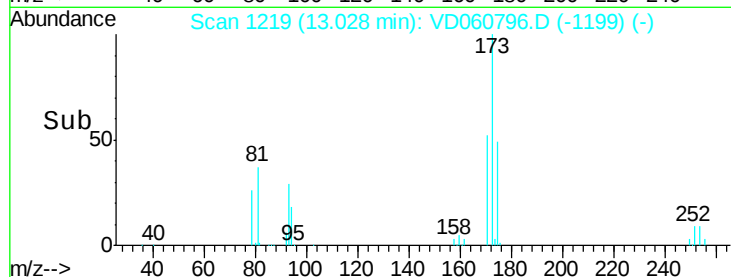
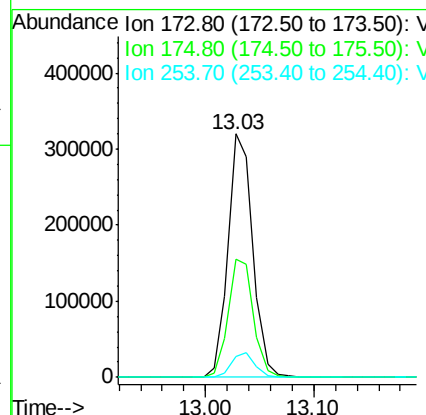
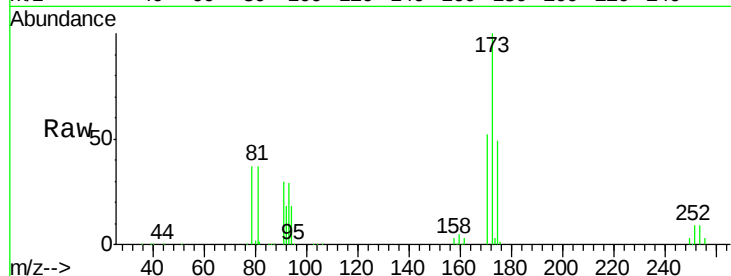
#71
Bromoform
Concen: 100.529 ug/l
RT: 13.03 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	8.6	9.1	13.7#

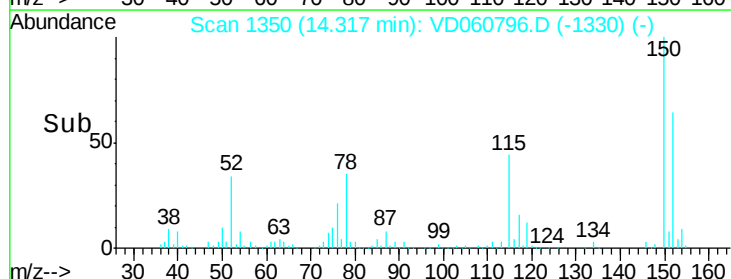
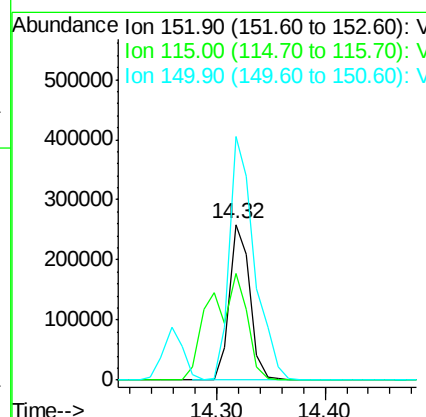
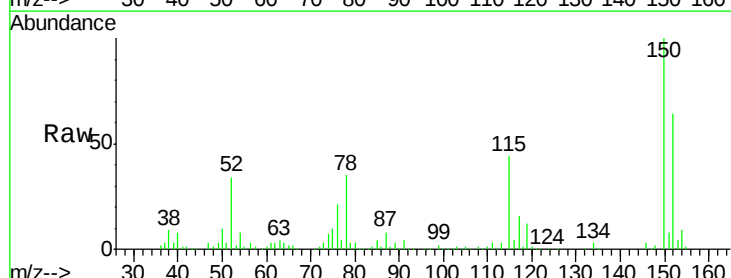
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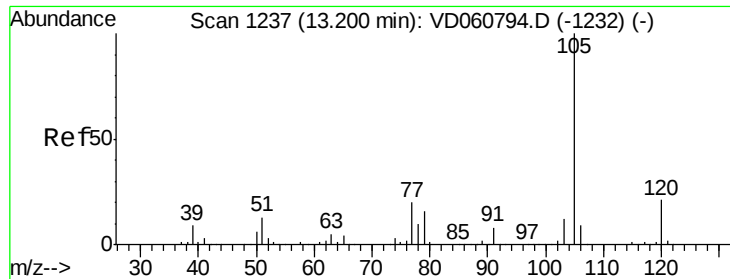
MMDadoda
1/29/2019 4:55:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.8	31.6	95.0
150	156.4	0.0	317.6





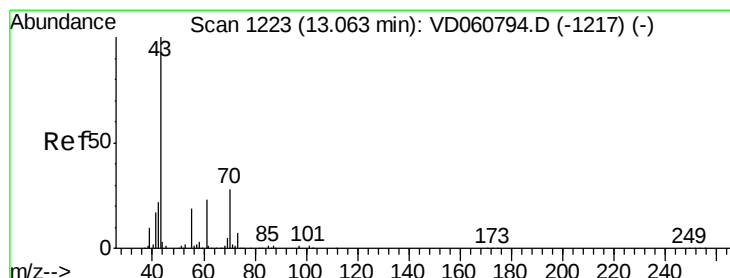
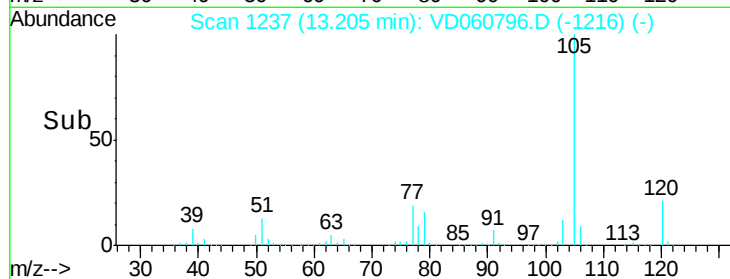
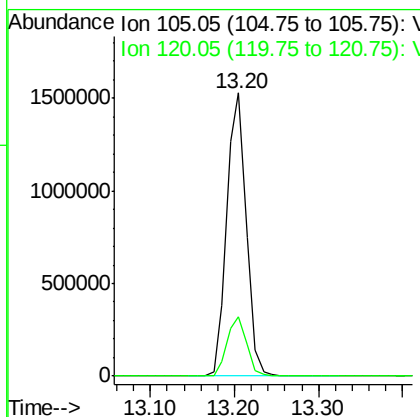
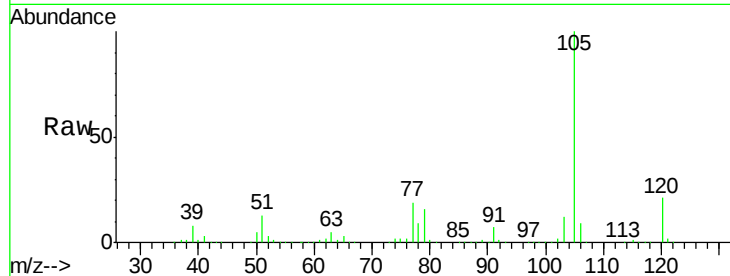
#73
Isopropylbenzene
Concen: 90.372 ug/l
RT: 13.20 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 2450065
Ion Ratio Lower Upper
105 100
120 20.8 10.7 32.1

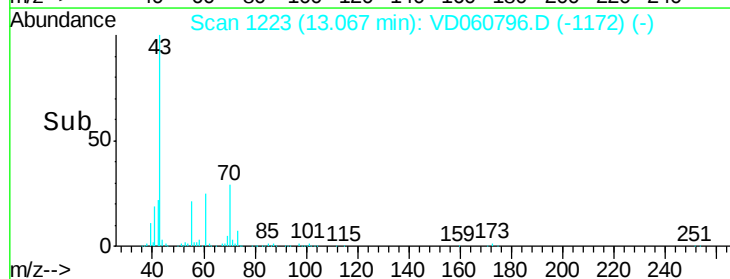
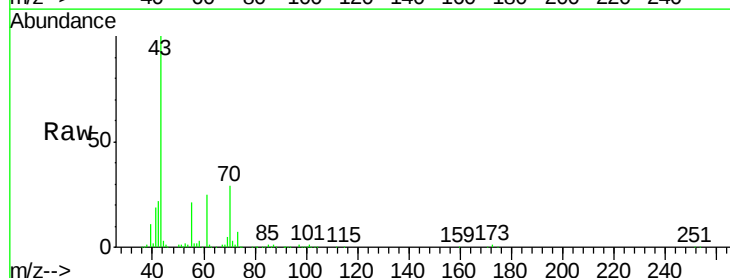
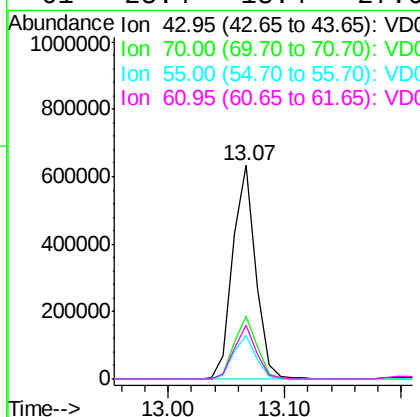
Manual Integrations
APPROVED

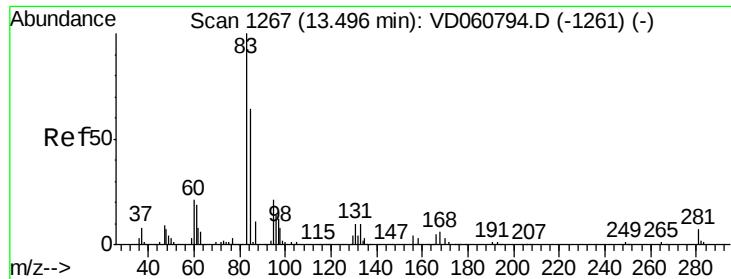
MMDadoda
1/29/2019 4:55:51 PM



#74
N-ethyl acetate
Concen: 103.557 ug/l
RT: 13.07 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 43 Resp: 863108
Ion Ratio Lower Upper
43 100
70 29.5 22.2 33.4
55 20.7 15.5 23.3
61 25.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 99.067 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

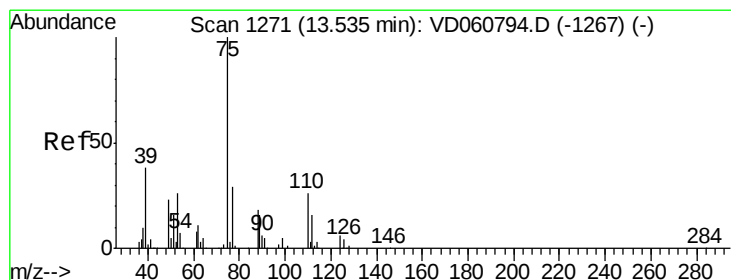
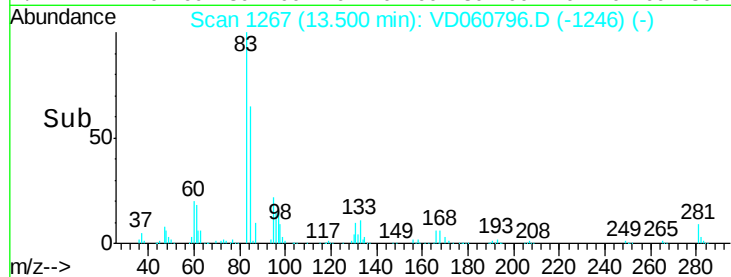
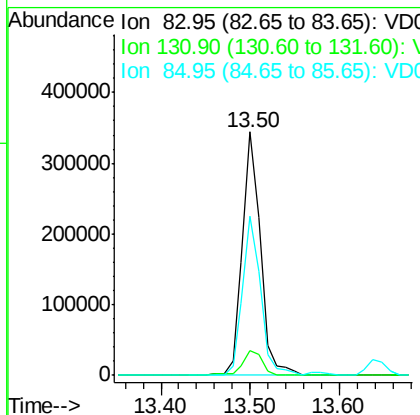
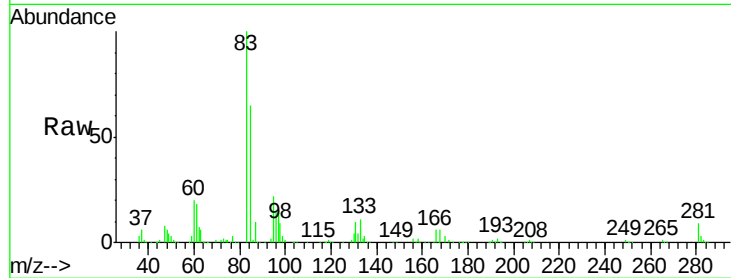
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	489037
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	65.5	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 102.122 ug/l

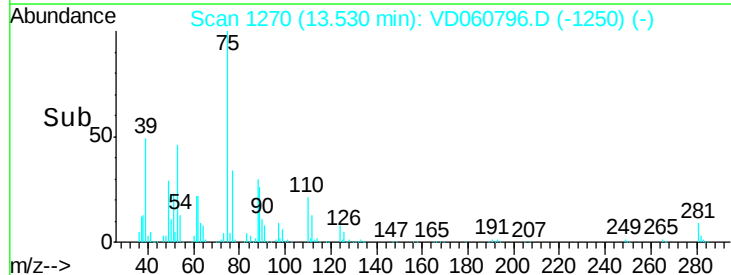
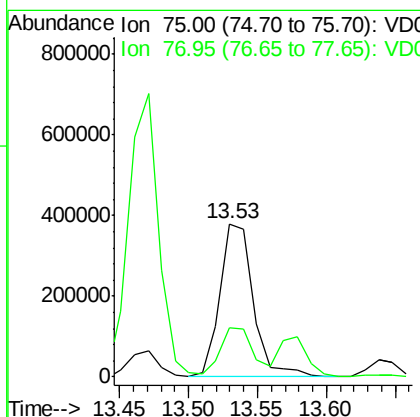
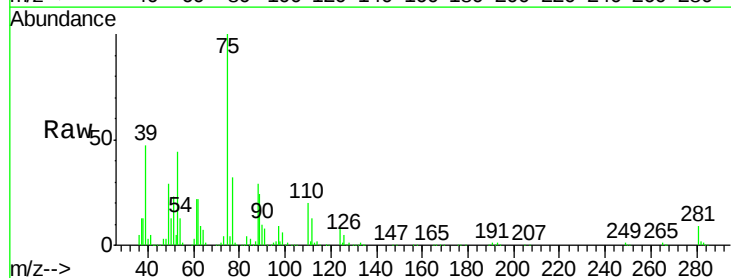
RT: 13.53 min Scan# 1270

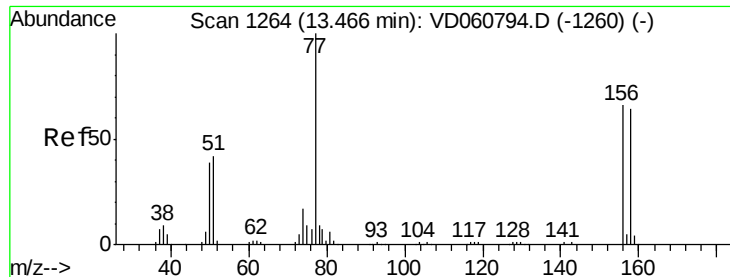
Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Tgt Ion:	75	Resp:	636773
Ion Ratio	Lower	Upper	
75	100		
77	32.3	15.9	47.7





#77

Bromobenzene

Concen: 98.123 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 683832

Ion Ratio Lower Upper

156 100

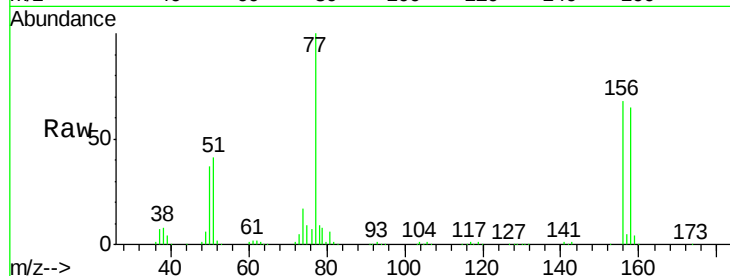
77 148.0 76.0 228.0

158 96.4 48.4 145.0

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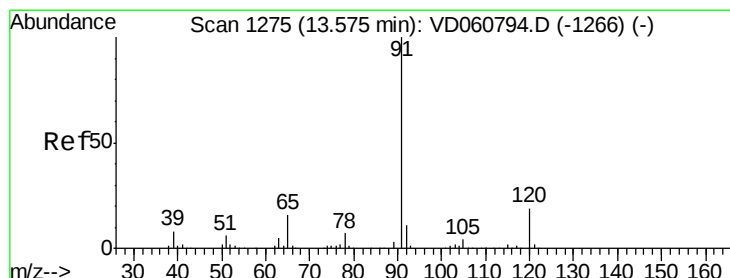
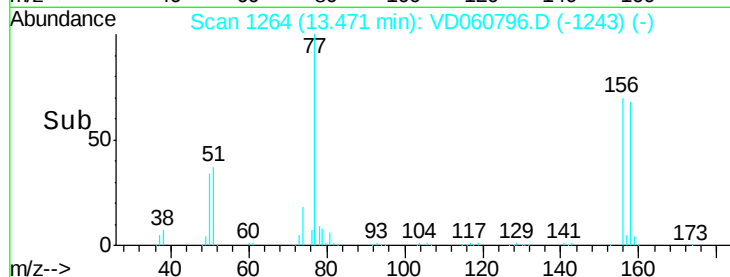
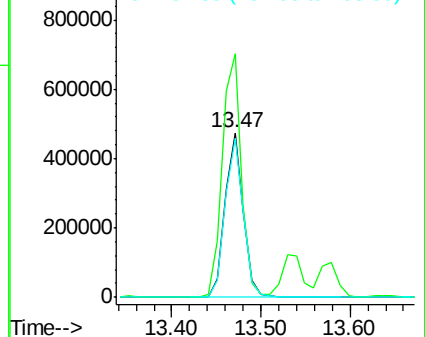
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 93.662 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060796.D

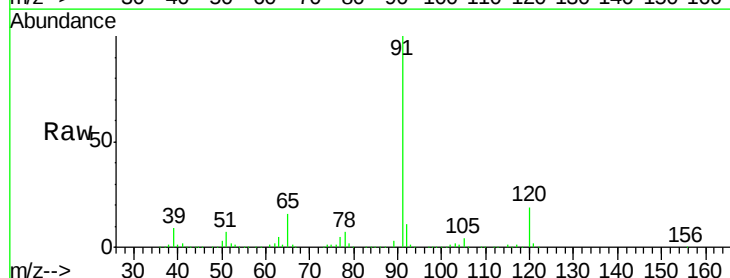
Acq: 28 Jan 2019 17:35

Tgt Ion: 91 Resp: 3187671

Ion Ratio Lower Upper

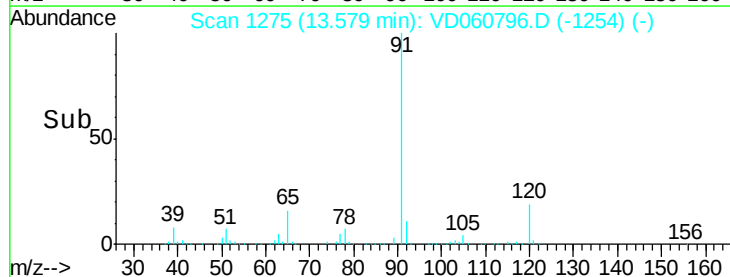
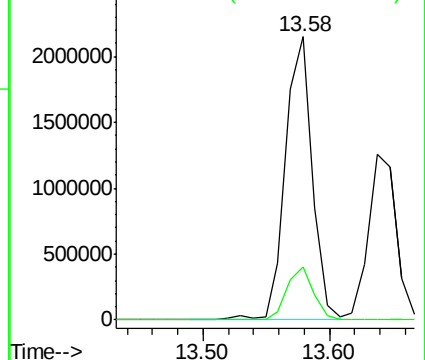
91 100

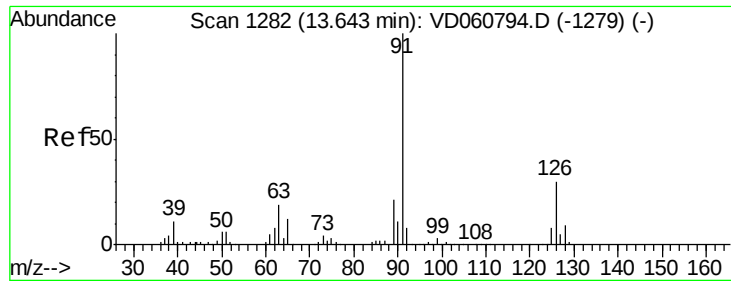
120 18.6 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 92.958 ug/l

RT: 13.64 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1929676

Ion Ratio Lower Upper

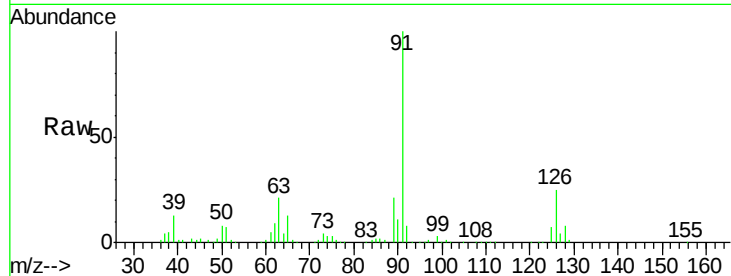
91 100

126 25.2 14.7 44.1

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Abundance Ion 91.00 (90.70 to 91.70): VD060796.D (-1279) (-)

Ion 125.95 (125.65 to 126.65): VD060796.D (-1279) (-)

2500000

2000000

1500000

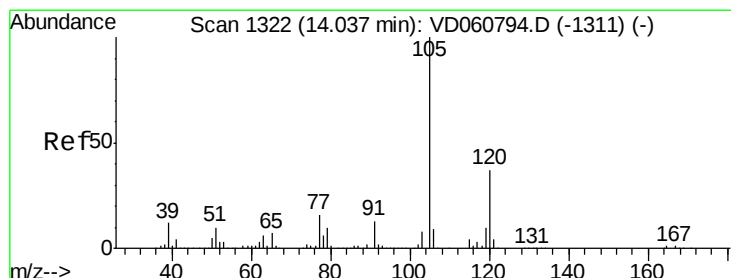
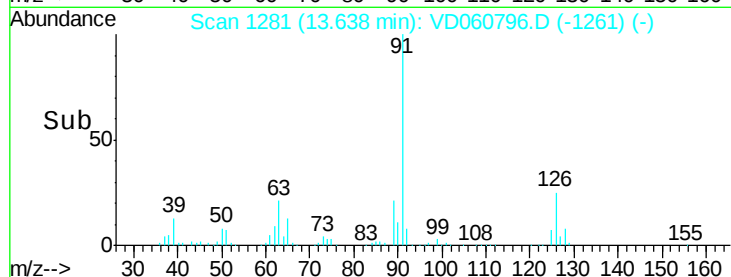
1000000

500000

0

13.60 13.65 13.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 91.700 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060796.D

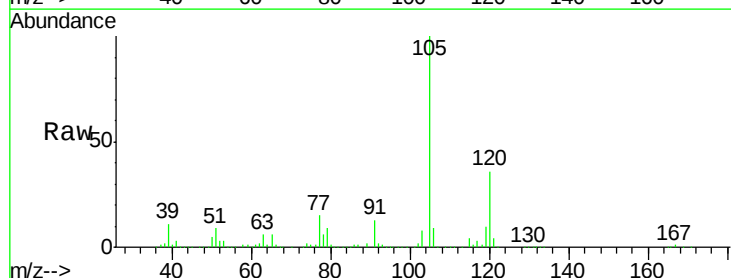
Acq: 28 Jan 2019 17:35

Tgt Ion:105 Resp: 2140235

Ion Ratio Lower Upper

105 100

120 36.2 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060796.D (-1301) (-)

Ion 120.05 (119.75 to 120.75): VD060796.D (-1301) (-)

2000000

1500000

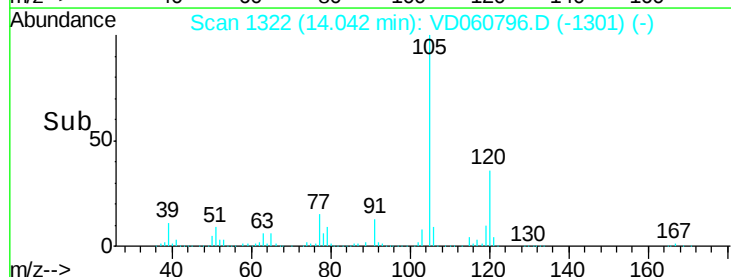
1000000

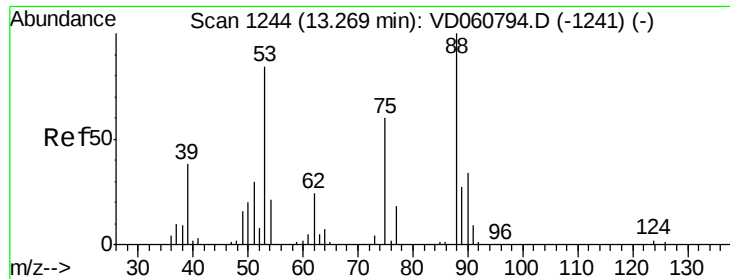
500000

0

13.90 14.00 14.10

Time-->





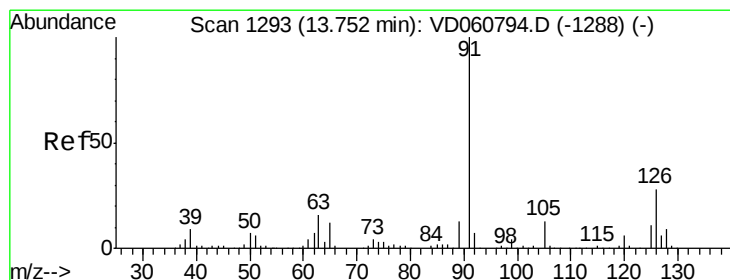
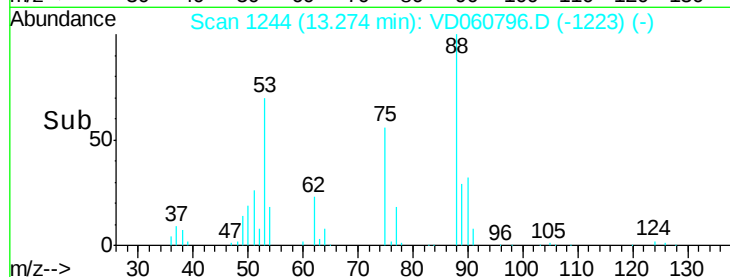
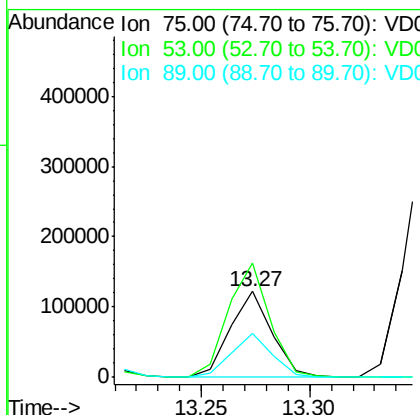
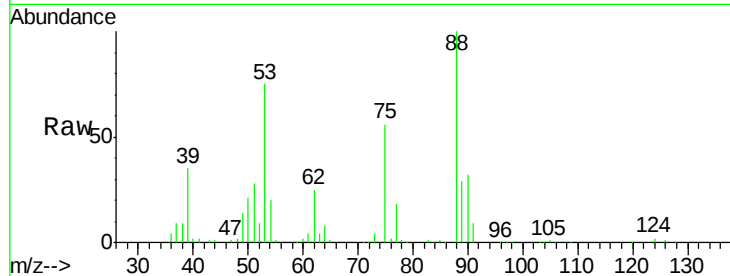
#81
trans-1,4-Dichloro-2-butene
Concen: 101.385 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	132.6	111.6	167.4
89	51.2	35.9	53.9

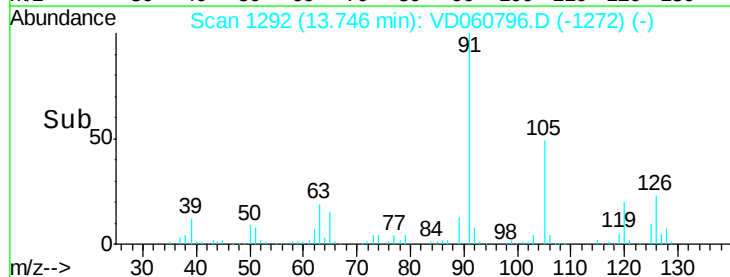
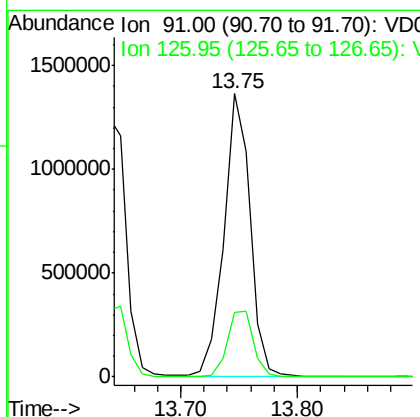
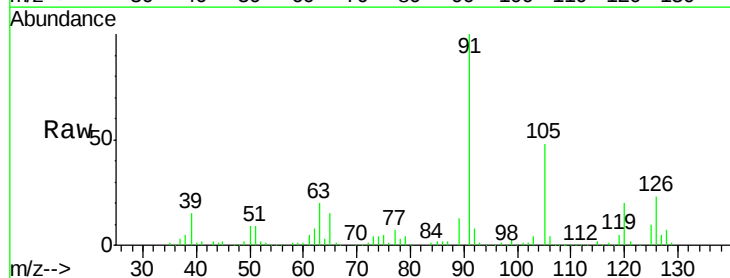
Manual Integrations
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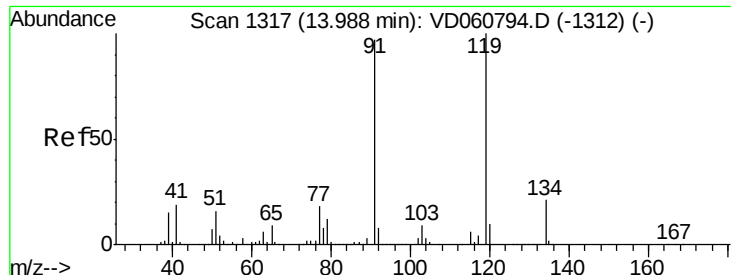
MMDadoda
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#82
4-Chlorotoluene
Concen: 91.220 ug/l
RT: 13.75 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	23.0	13.9	41.7





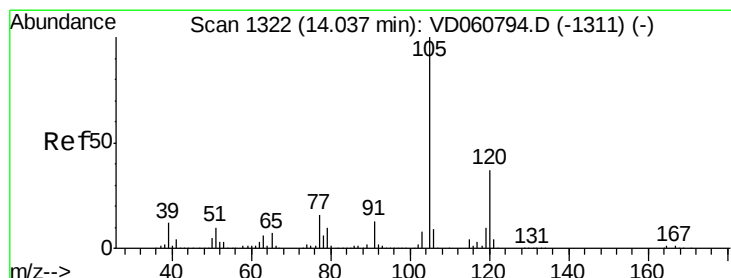
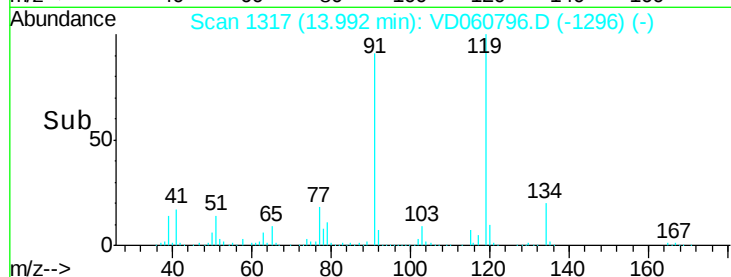
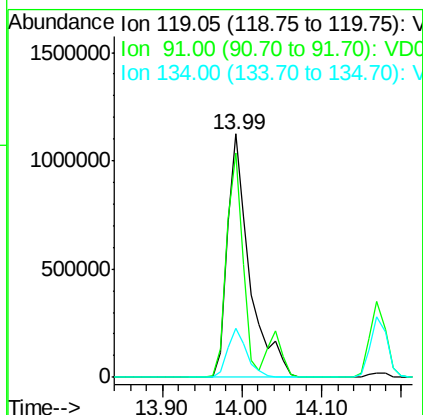
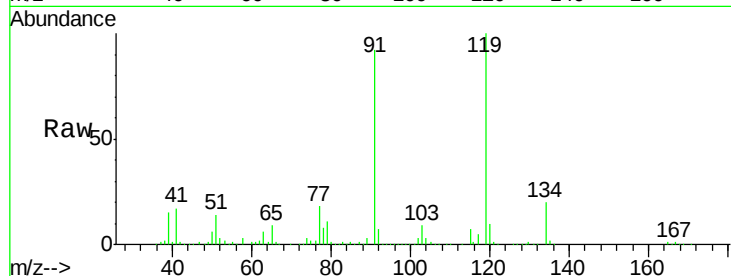
#83
tert-Butylbenzene
Concen: 89.979 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
91	92.1	48.5	145.5	
134	20.3	10.3	30.8	

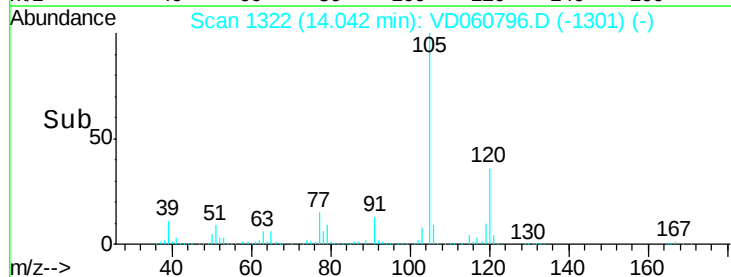
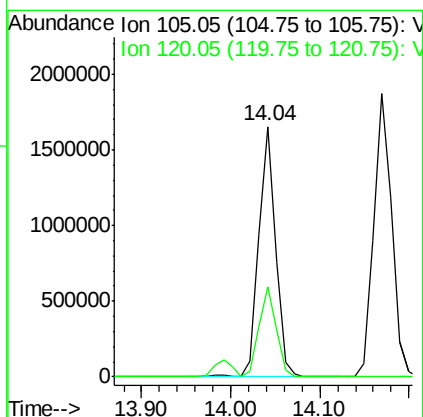
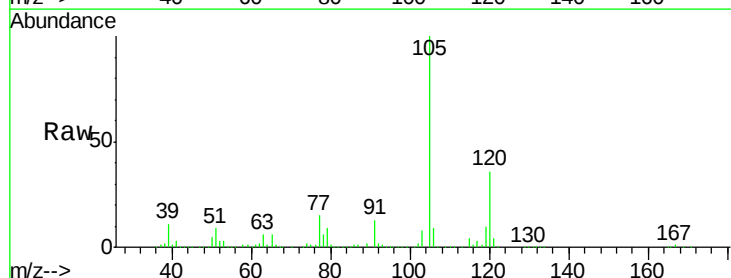
Manual Integrations
APPROVED

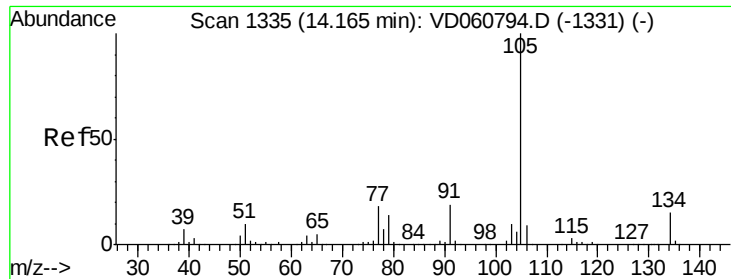
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#84
1,2,4-Trimethylbenzene
Concen: 91.700 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	36.2	18.4	55.2	





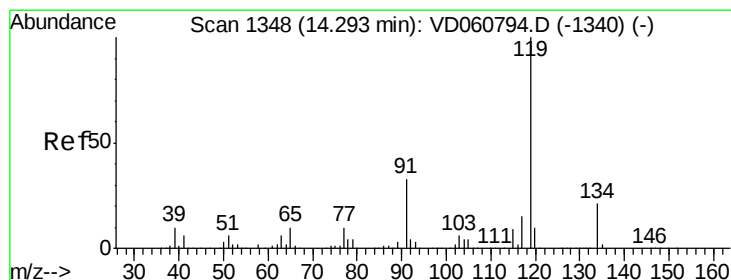
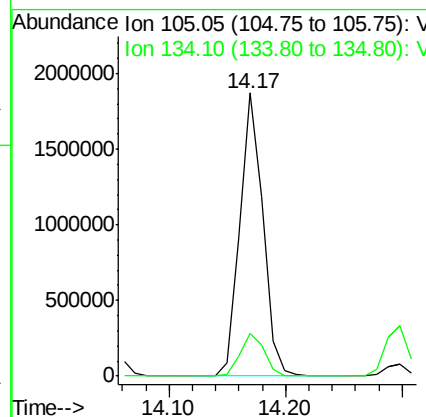
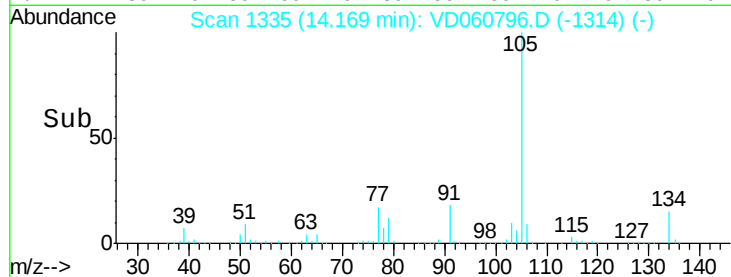
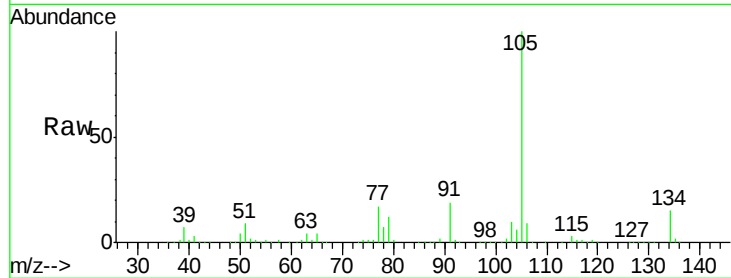
#85
 sec-Butylbenzene
 Concen: 92.155 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2561538
 Ion Ratio Lower Upper
 105 100
 134 15.1 7.4 22.2

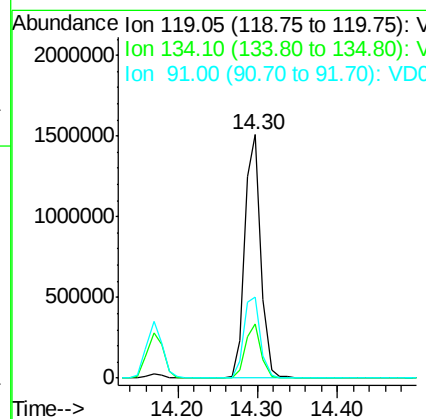
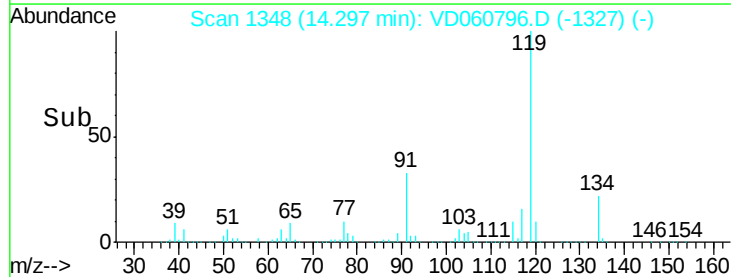
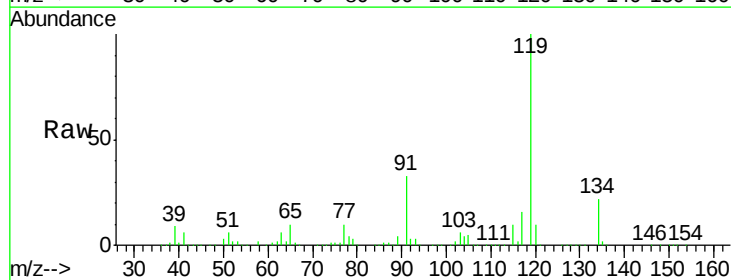
Manual Integrations
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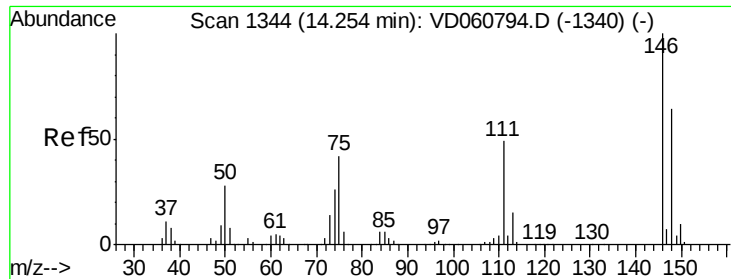
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#86
 p-Isopropyltoluene
 Concen: 93.200 ug/l
 RT: 14.30 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion:119 Resp: 2103266
 Ion Ratio Lower Upper
 119 100
 134 22.2 10.8 32.3
 91 33.3 16.7 50.0





#87

1,3-Dichlorobenzene

Concen: 91.219 ug/l

RT: 14.26 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1137052

Ion Ratio Lower Upper

146 100

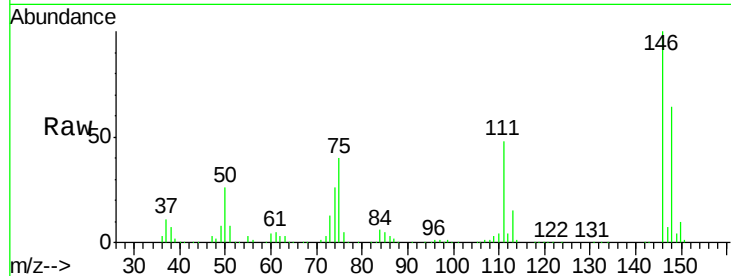
111 48.1 24.3 73.0

148 63.6 32.1 96.5

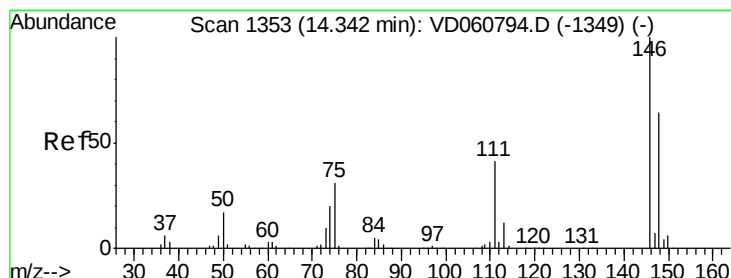
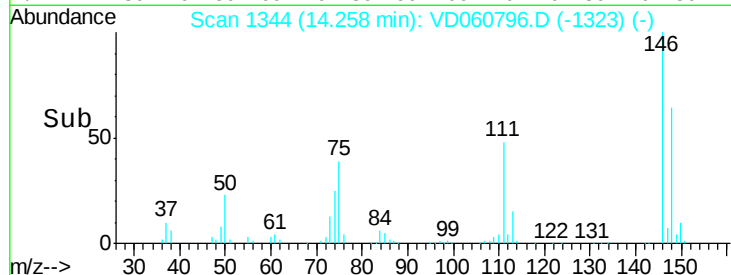
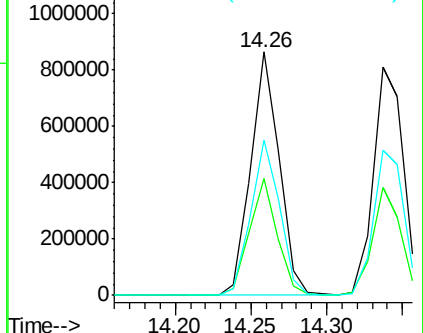
Manual Integrations
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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 94.324 ug/l

RT: 14.34 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

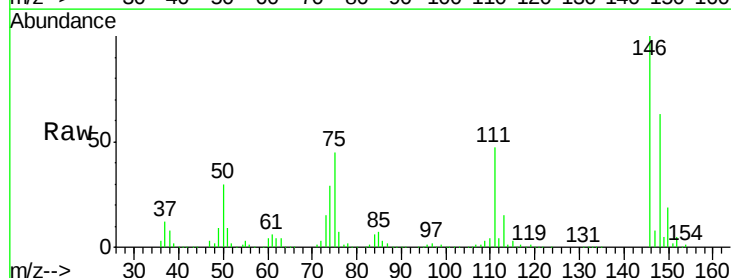
Tgt Ion:146 Resp: 1142399

Ion Ratio Lower Upper

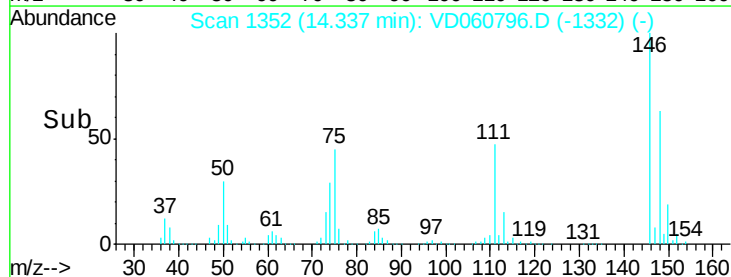
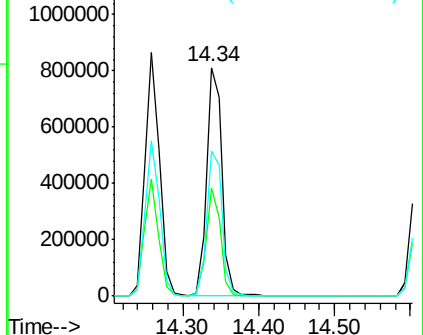
146 100

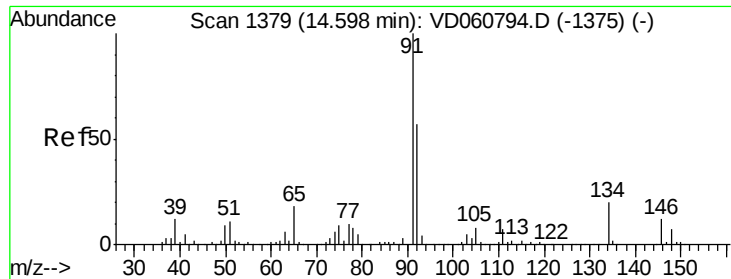
111 46.9 20.6 61.8

148 63.5 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





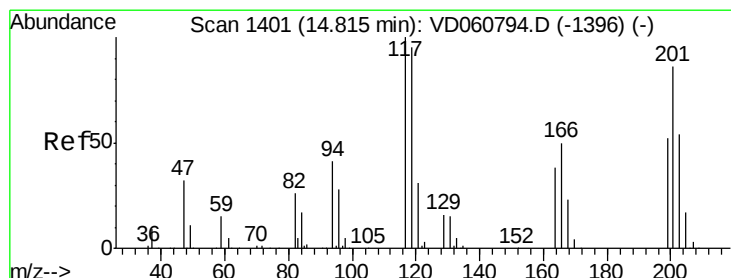
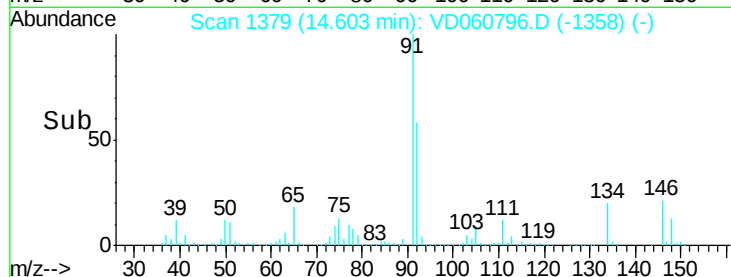
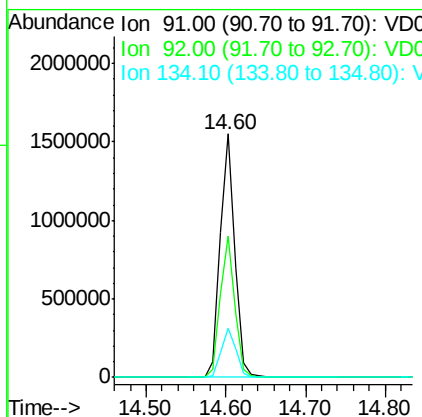
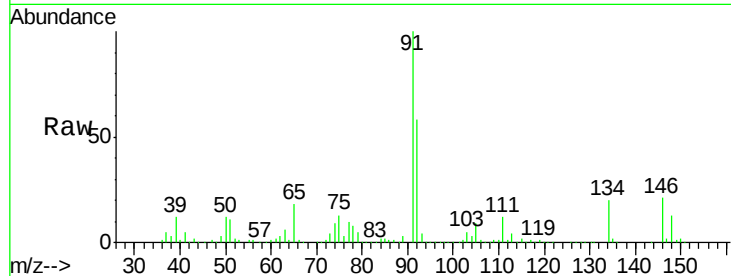
#89
n-Butylbenzene
Concen: 85.610 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2015726
Ion Ratio Lower Upper
91 100
92 58.1 28.5 85.5
134 20.4 10.0 29.8

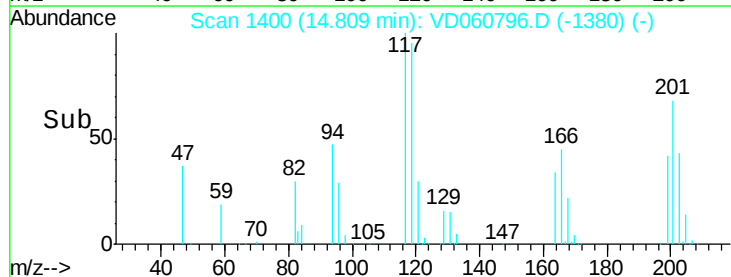
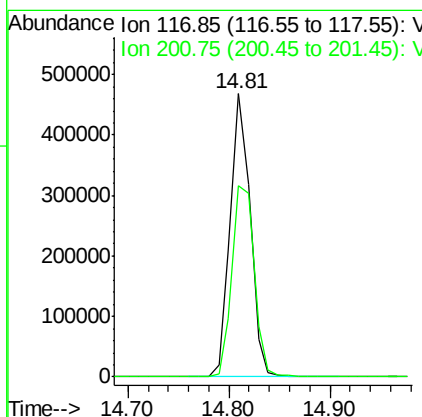
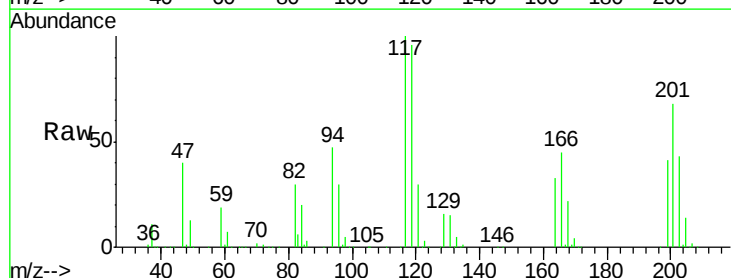
Manual Integrations
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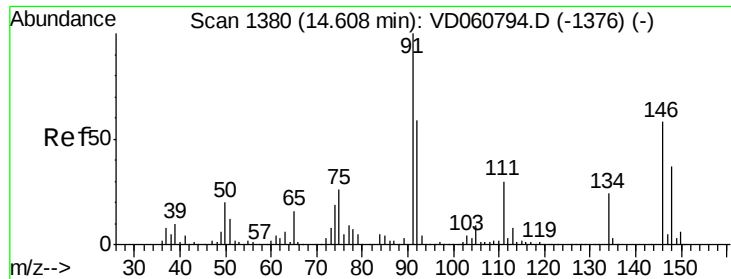
MMDadoda
1/29/2019 4:55:51 PM



#90
Hexachloroethane
Concen: 96.339 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 117 Resp: 646974
Ion Ratio Lower Upper
117 100
201 67.6 43.0 128.8





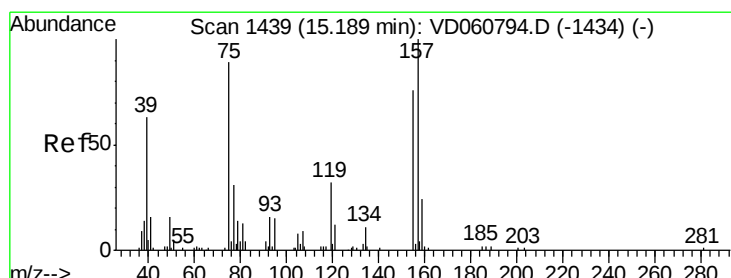
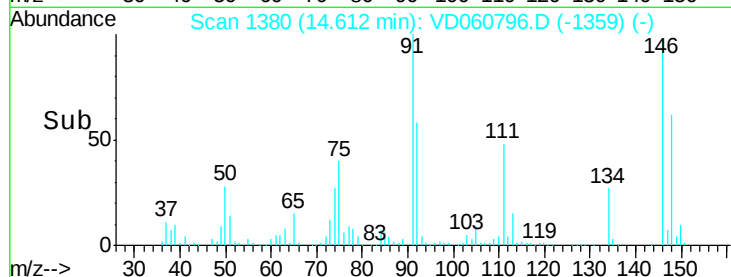
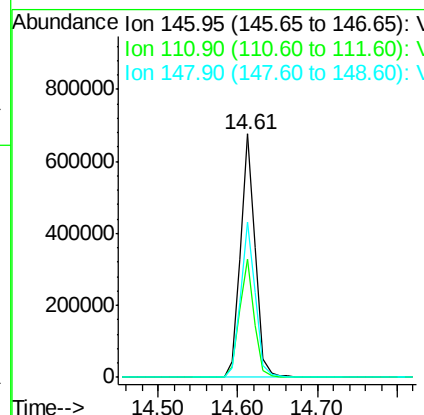
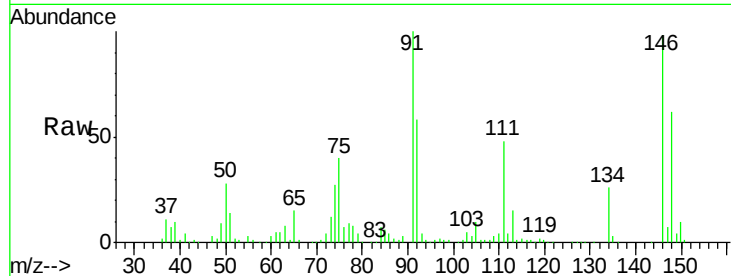
#91
 1,2-Dichlorobenzene
 Concen: 85.625 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	25.6	76.8
148	63.8	31.4	94.3

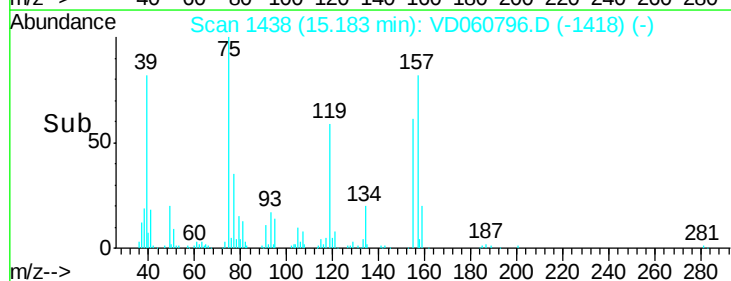
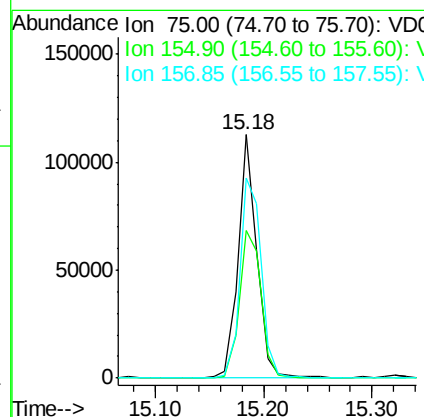
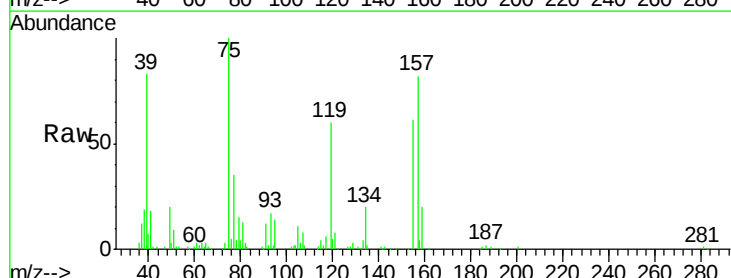
Manual Integrations
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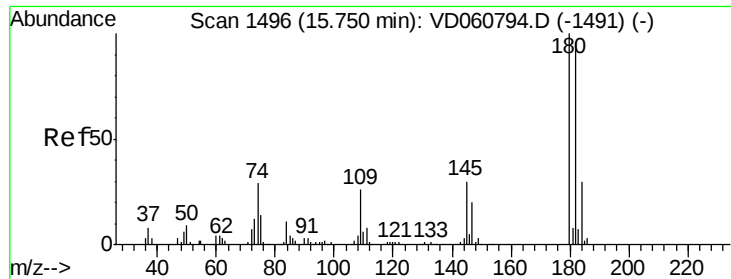
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 116.358 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.6	43.0	129.0
157	82.2	56.3	168.9





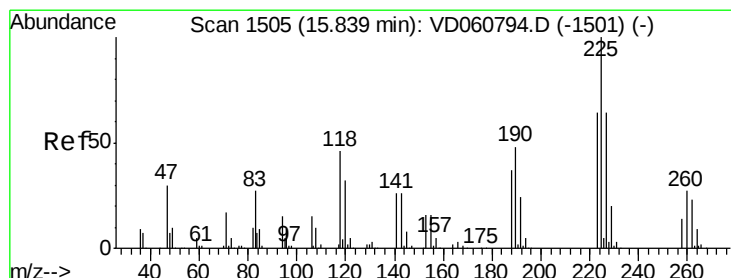
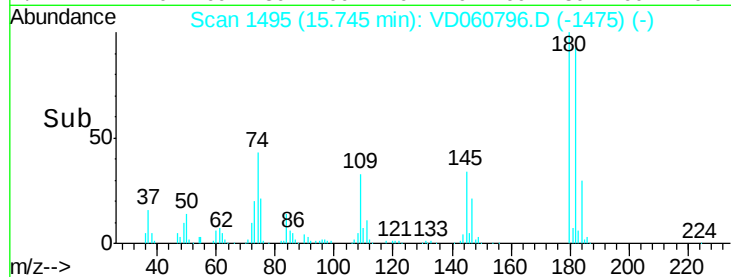
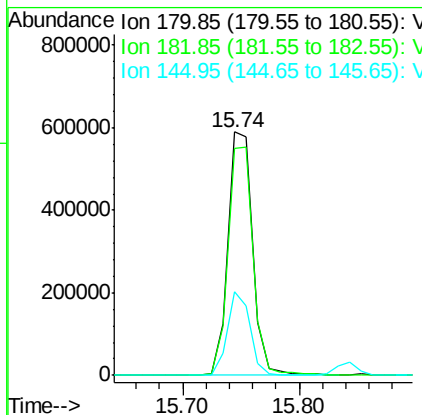
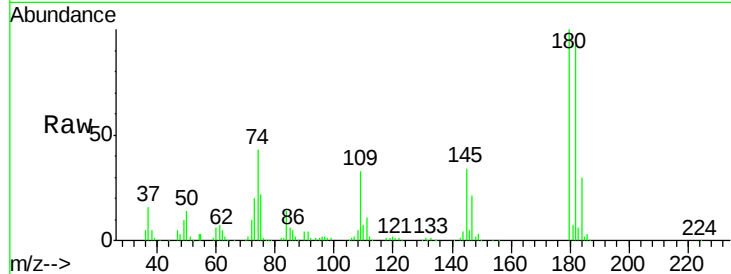
#93
 1,2,4-Trichlorobenzene
 Concen: 97.016 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	869153		
182	93.4	47.9	143.7	
145	34.2	15.0	45.1	

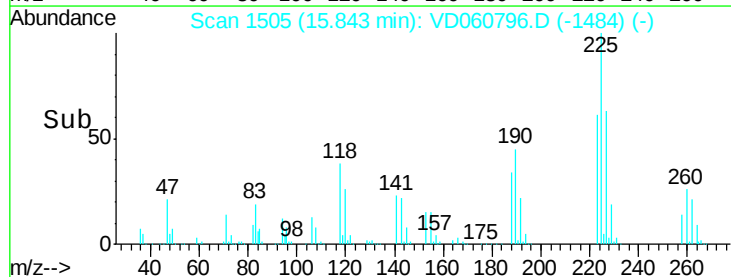
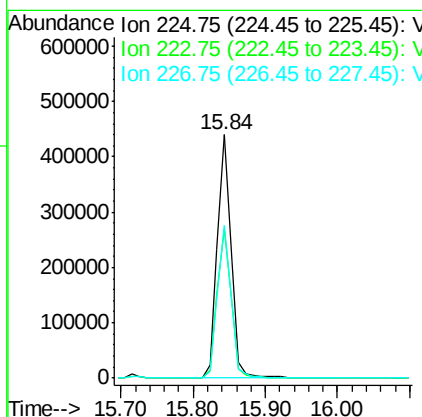
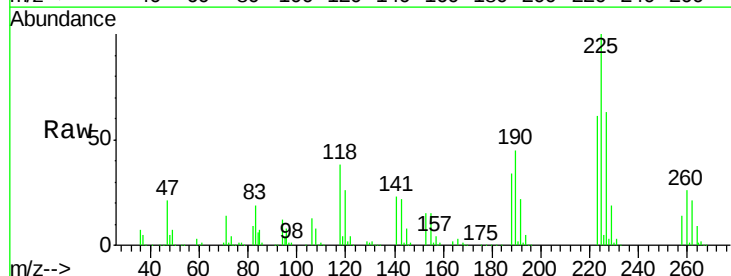
Manual Integrations
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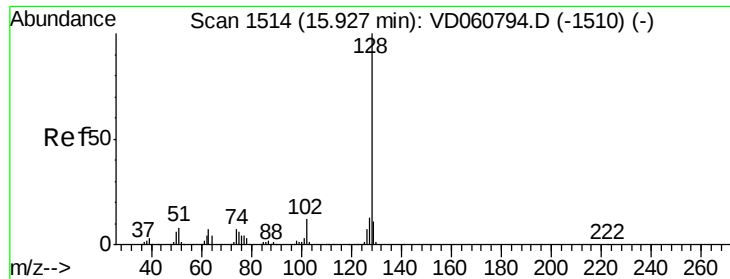
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#94
 Hexachlorobutadiene
 Concen: 85.059 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	571753		
223	61.3	31.8	95.4	
227	62.6	31.9	95.5	





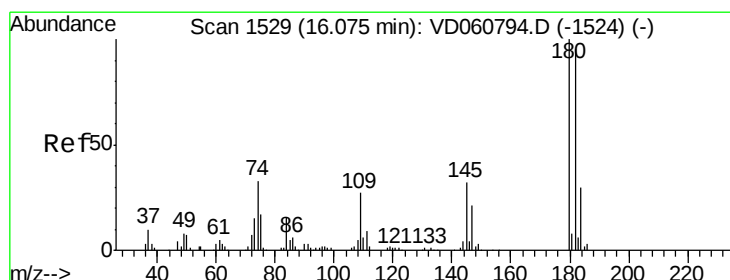
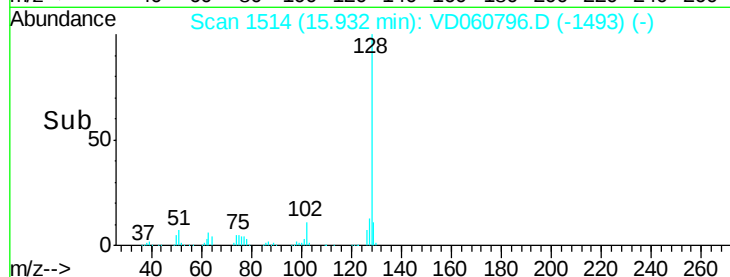
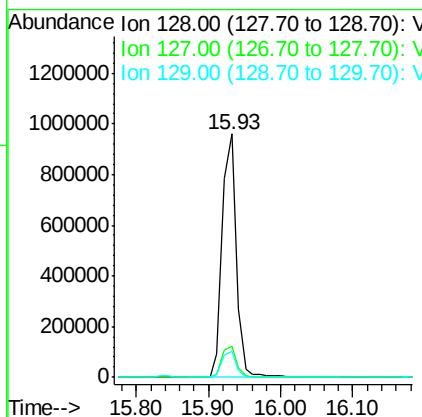
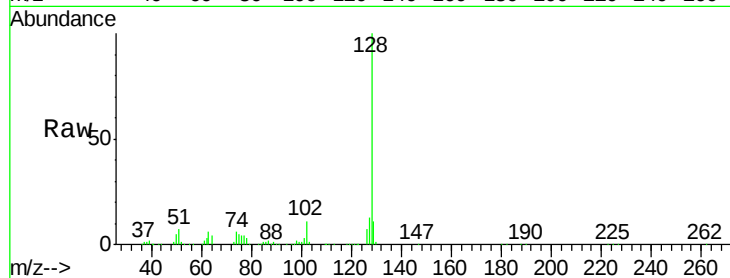
#95
Naphthalene
Concen: 94.502 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1300806
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.7 13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 91.655 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion:180 Resp: 714015
Ion Ratio Lower Upper
180 100
182 96.8 47.4 142.3
145 31.7 15.8 47.4

