

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050260.D
 Acq On : 2 Aug 2018 13:39
 Operator : MD\SY
 Sample : VN0802WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:36:10 AM

Quant Time: Aug 02 15:37:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	548228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	846161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	794687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	386680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	423195	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
35) Dibromofluoromethane	7.59	113	366223	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	10.09	98	1299042	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	429194	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148533	18.856	ug/l	99
3) Chloromethane	2.06	50	152122	17.766	ug/l	100
4) Vinyl Chloride	2.18	62	163306	18.111	ug/l	98
5) Bromomethane	2.56	94	65051	12.234	ug/l	96
6) Chloroethane	2.70	64	100050	18.476	ug/l	99
7) Trichlorofluoromethane	3.01	101	219194	18.765	ug/l	97
8) Diethyl Ether	3.41	74	90716	23.295	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	137325	19.550	ug/l	98
10) Methyl Iodide	3.95	142	72110	7.998	ug/l	98
11) Tert butyl alcohol	4.80	59	79130	140.599	ug/l	98
12) 1,1-Dichloroethene	3.73	96	122221	19.343	ug/l	98
13) Acrolein	3.61	56	73114	161.691	ug/l	96
14) Allyl chloride	4.32	41	208784	21.309	ug/l	97
15) Acrylonitrile	5.00	53	307770	125.342	ug/l	99
16) Acetone	3.82	43	245894	134.470	ug/l	99
17) Carbon Disulfide	4.05	76	318557	16.457	ug/l	99
18) Methyl Acetate	4.33	43	222541	31.141	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	414081	24.591	ug/l	99
20) Methylene Chloride	4.55	84	157252	22.497	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	131228	19.600	ug/l	98
22) Diisopropyl ether	5.96	45	475310	24.466	ug/l	99
23) Vinyl Acetate	5.90	43	1580682	115.136	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271086	21.339	ug/l	100
25) 2-Butanone	6.84	43	381066	130.611	ug/l	98
26) 2,2-Dichloropropane	6.83	77	207166	21.436	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	159700	22.158	ug/l	99
28) Bromochloromethane	7.20	49	128170	22.120	ug/l	100
29) Tetrahydrofuran	7.22	42	246369	130.679	ug/l	99
30) Chloroform	7.37	83	283633	21.879	ug/l	98
31) Cyclohexane	7.65	56	199409	18.885	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	224484	20.244	ug/l	100
36) 1,1-Dichloropropene	7.80	75	183532	19.252	ug/l	99
37) Ethyl Acetate	6.94	43	159831	24.047	ug/l	99
38) Carbon Tetrachloride	7.78	117	189625	18.746	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	177273	18.076	ug/l	95
40) Benzene	8.04	78	604272	20.830	ug/l	98
41) Methacrylonitrile	7.18	41	80354	24.684	ug/l	86
42) 1,2-Dichloroethane	8.13	62	208773	21.572	ug/l	98
43) Isopropyl Acetate	8.17	43	305975	23.832	ug/l	98
44) Trichloroethene	8.84	130	151789	19.473	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170785	22.227	ug/l	96
46) Dibromomethane	9.21	93	106421	22.306	ug/l	99
47) Bromodichloromethane	9.41	83	214706	21.322	ug/l	99
48) Methyl methacrylate	9.20	41	138202	24.143	ug/l	99
49) 1,4-Dioxane	9.21	88	41126	527.929	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	835453	127.864	ug/l	100
52) Toluene	10.16	92	367109	21.439	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	212482	22.362	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	240113	22.111	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	155456	22.888	ug/l	98
56) Ethyl methacrylate	10.43	69	194084	22.268	ug/l	100
57) 1,3-Dichloropropane	10.71	76	253676	22.936	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	365006	90.544	ug/l	100
59) 2-Hexanone	10.75	43	557481	118.883	ug/l	99
60) Dibromochloromethane	10.90	129	166303	22.115	ug/l	98
61) 1,2-Dibromoethane	11.01	107	149625	22.203	ug/l	97
64) Tetrachloroethene	10.63	164	141802	18.560	ug/l	98
65) Chlorobenzene	11.44	112	406810	20.266	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159076	20.625	ug/l	99
67) Ethyl Benzene	11.51	91	665836	20.649	ug/l	100
68) m/p-Xylenes	11.62	106	508050	41.655	ug/l	99
69) o-Xylene	11.95	106	250614	21.554	ug/l	98
70) Styrene	11.97	104	400227	19.920	ug/l	99
71) Bromoform	12.13	173	119493	21.298	ug/l #	100
73) Isopropylbenzene	12.25	105	632260	21.083	ug/l	99
74) N-amyl acetate	12.07	43	213622	23.307	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	206997	24.957	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	166510m	23.171	ug/l	
77) Bromobenzene	12.53	156	281080	33.818	ug/l	58
78) n-propylbenzene	12.59	91	730998	21.808	ug/l	100
79) 2-Chlorotoluene	12.68	91	449000	21.611	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	531013	22.511	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52319	23.093	ug/l	98
82) 4-Chlorotoluene	12.78	91	446580	21.706	ug/l	99
83) tert-Butylbenzene	12.99	119	444250	21.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	543028	22.839	ug/l	99
85) sec-Butylbenzene	13.17	105	592242	21.531	ug/l	100
86) p-Isopropyltoluene	13.29	119	506316	21.845	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	291619	20.697	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	287567	20.939	ug/l	99
89) n-Butylbenzene	13.62	91	398944	20.932	ug/l	99
90) Hexachloroethane	13.88	117	97119	18.871	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	301590	21.412	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33041	24.311	ug/l	97

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ClientSampleId :
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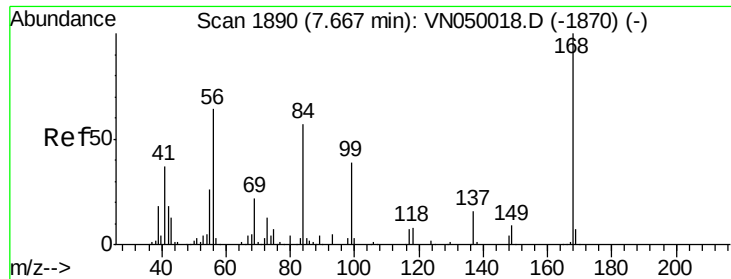
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145015	21.301	ug/l	98
94) Hexachlorobutadiene	15.01	225	87141	20.209	ug/l	99
95) Naphthalene	15.14	128	537338	32.156	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	153512	22.375	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleID :

VN0802WBSD01

Tot Ion:168 Resp: 548228

Ion Ratio Lower Upper

168 100

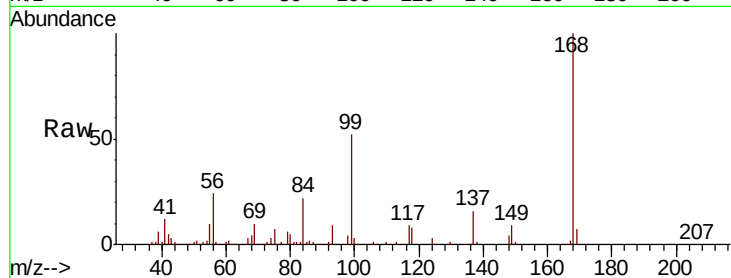
99 51.4 40.0 60.0

Manual Integrations

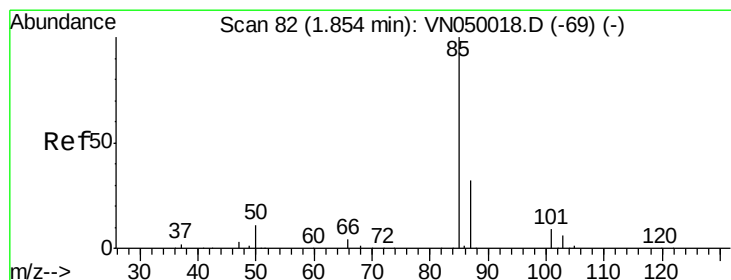
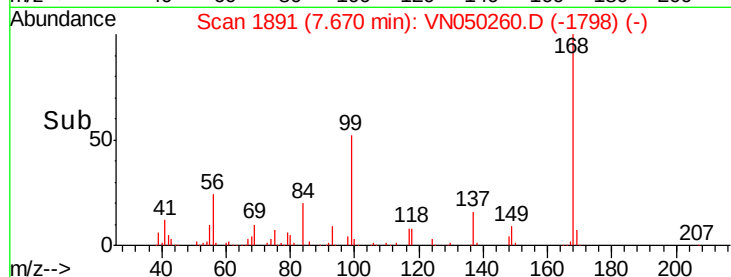
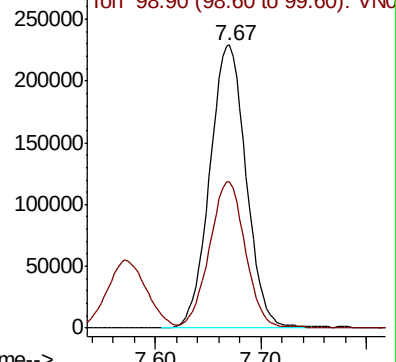
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Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)



#2

Dichlorodifluoromethane

Concen: 18.856 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050260.D

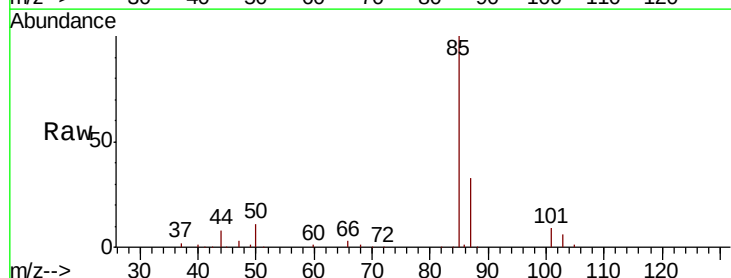
Acq: 2 Aug 2018 13:39

Tgt Ion: 85 Resp: 148533

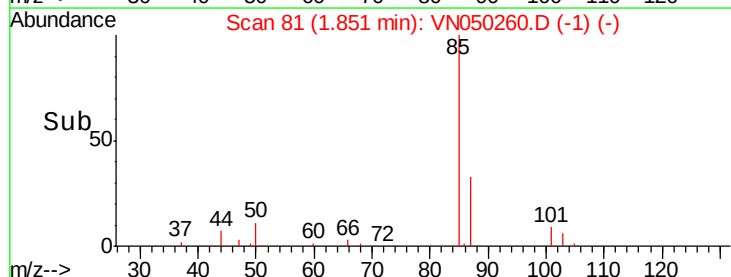
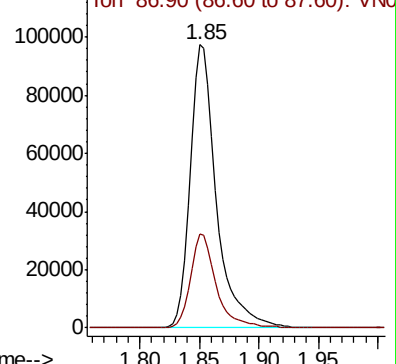
Ion Ratio Lower Upper

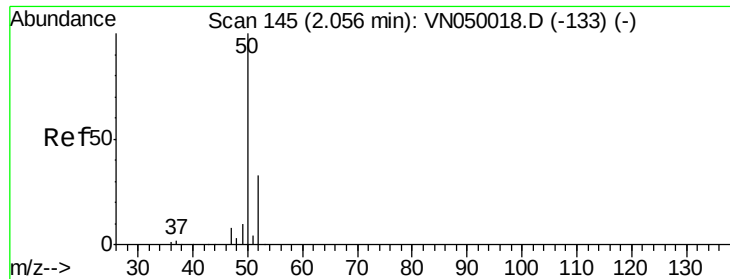
85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050018.D (-69) (-)





#3

Chloromethane

Concen: 17.766 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 50 Resp: 152122

Ion Ratio Lower Upper

50 100

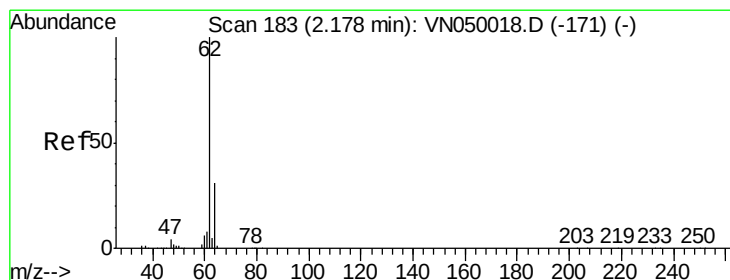
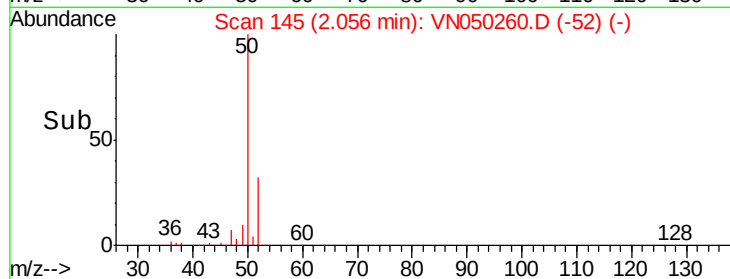
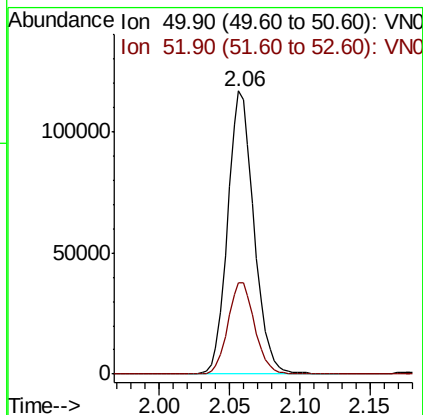
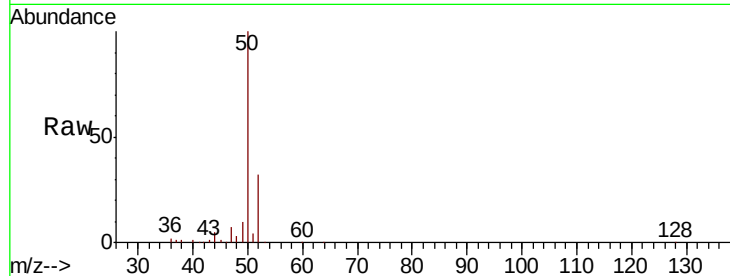
52 32.5 25.9 38.9

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#4

Vinyl Chloride

Concen: 18.111 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050260.D

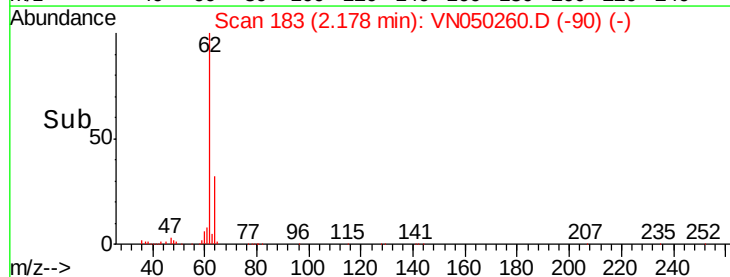
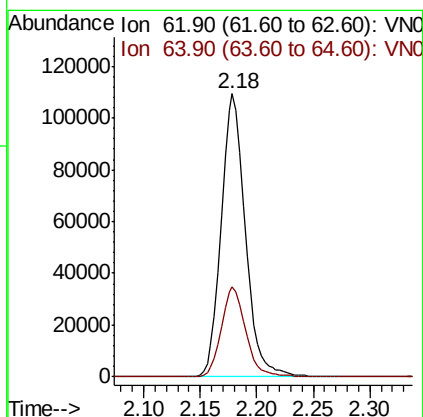
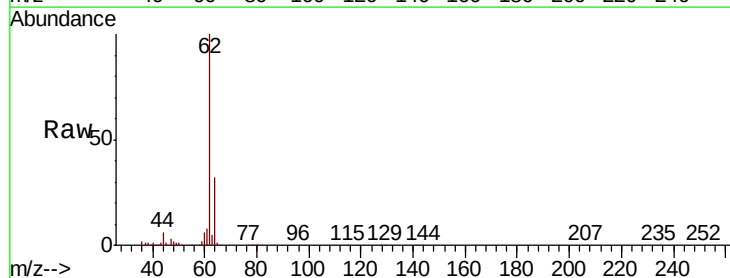
Acq: 2 Aug 2018 13:39

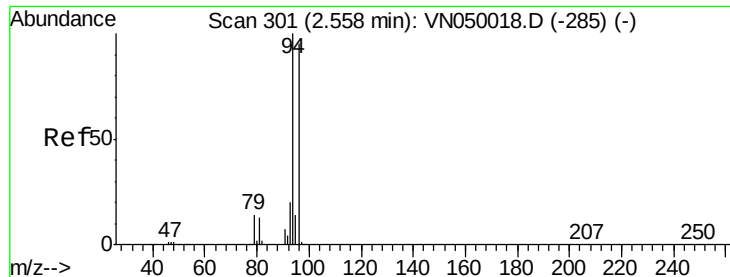
Tgt Ion: 62 Resp: 163306

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 12.234 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 94 Resp: 65051

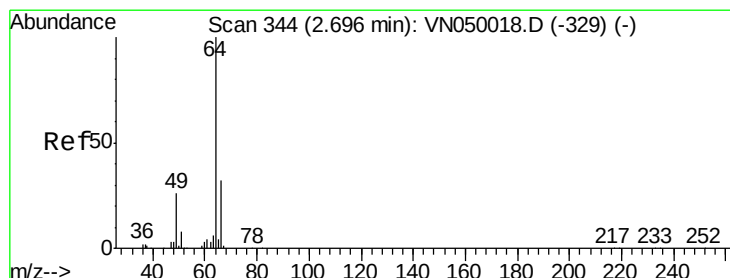
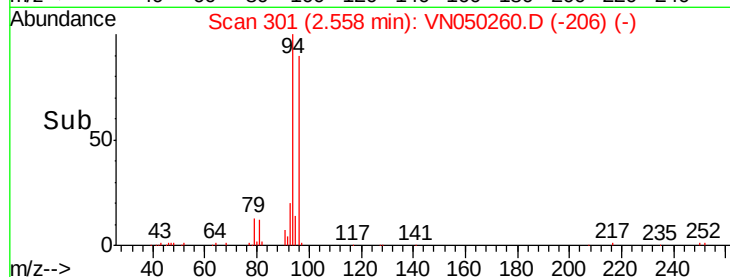
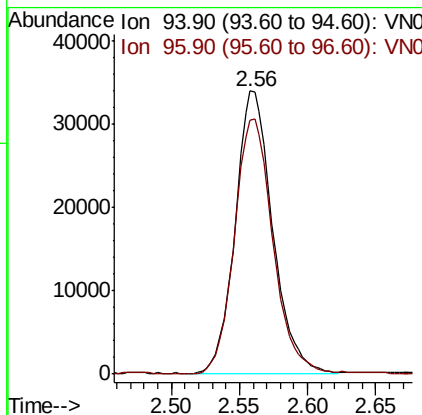
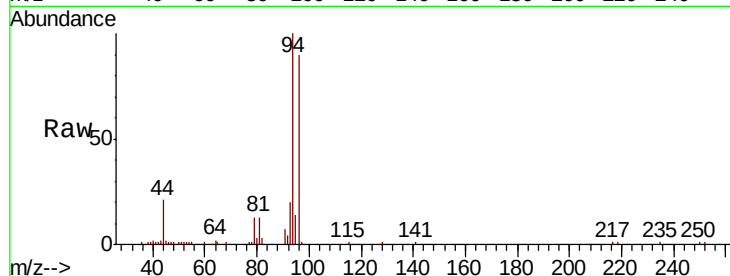
Ion Ratio Lower Upper

94 100

96 89.5 74.6 112.0

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#6

Chloroethane

Concen: 18.476 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050260.D

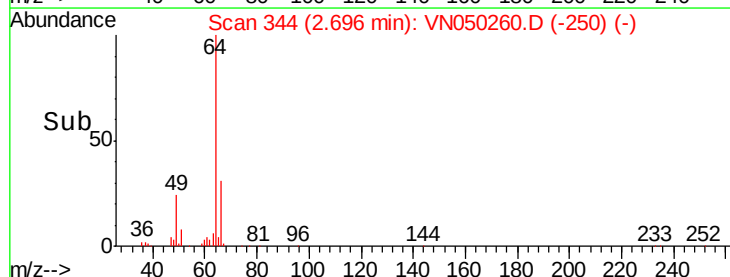
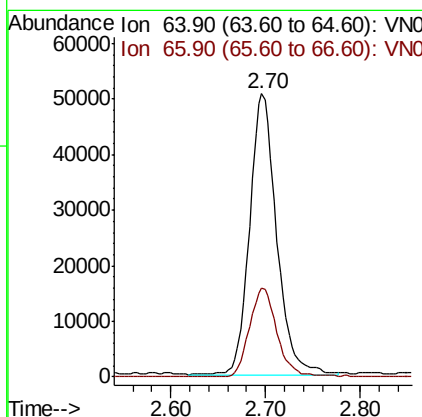
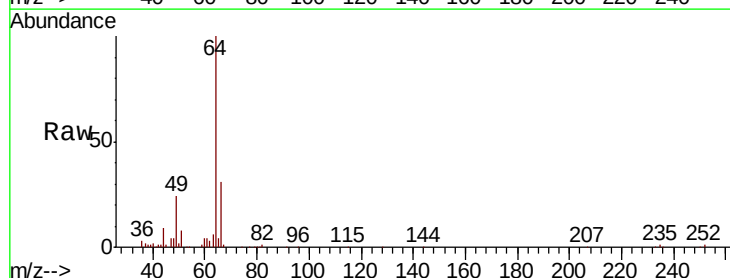
Acq: 2 Aug 2018 13:39

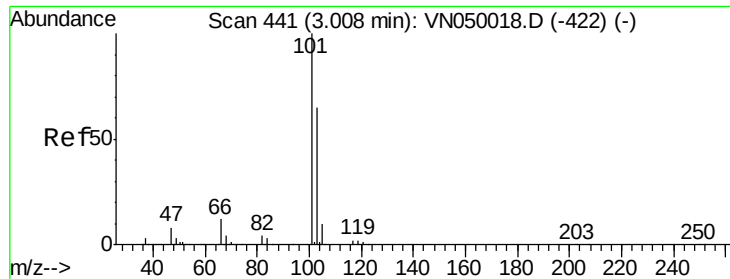
Tgt Ion: 64 Resp: 100050

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9





#7

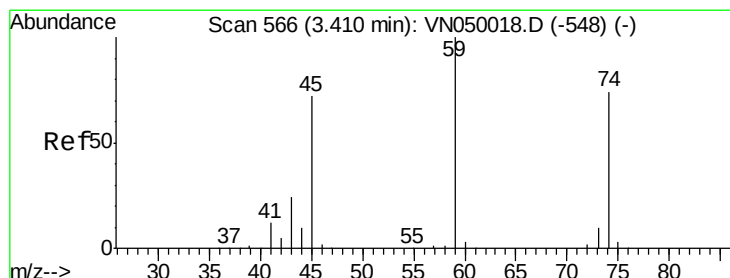
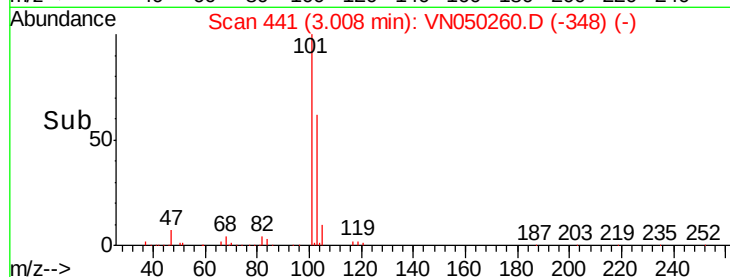
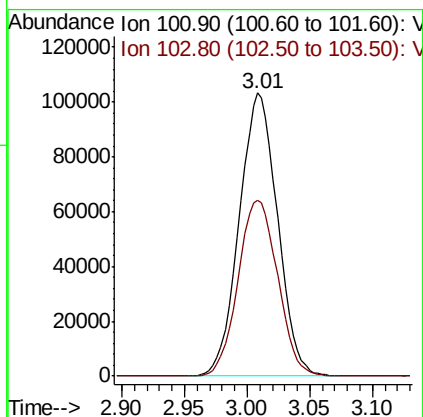
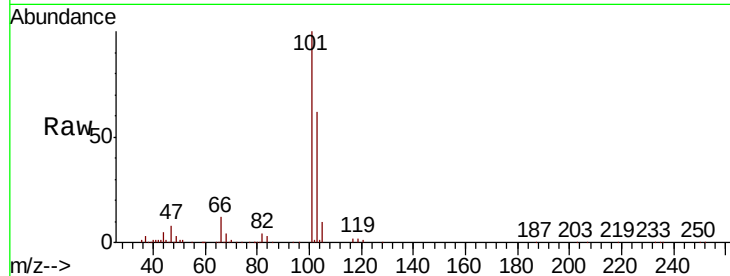
Trichlorofluoromethane
Concen: 18.765 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

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ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.7	77.5

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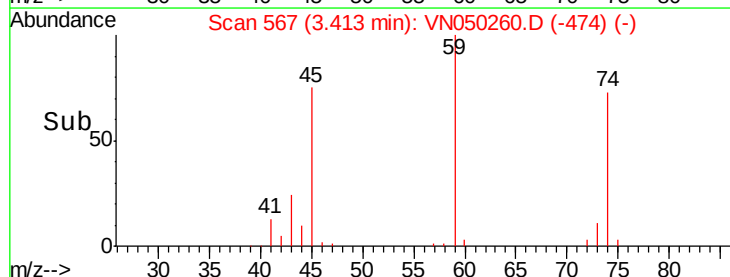
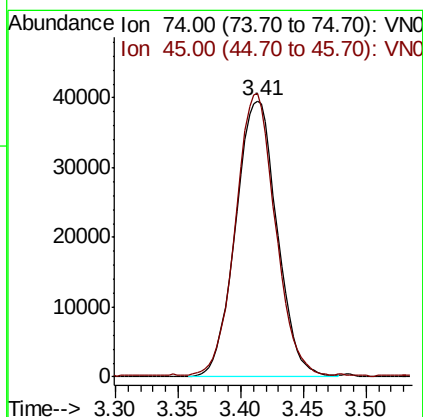
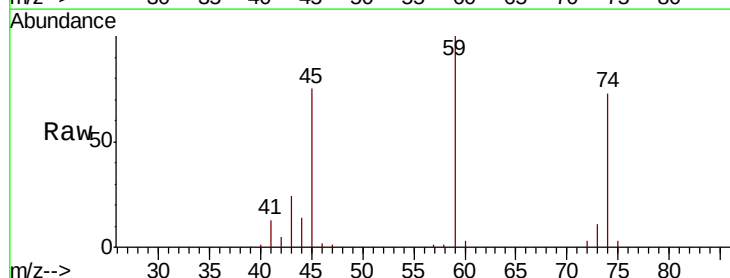
MMDadoda
8/3/2018 9:36:10 AM

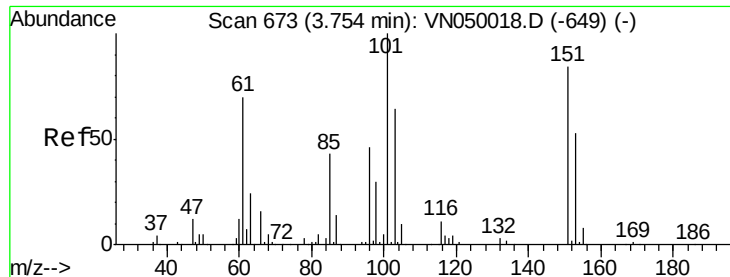


#8

Diethyl Ether
Concen: 23.295 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.550 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

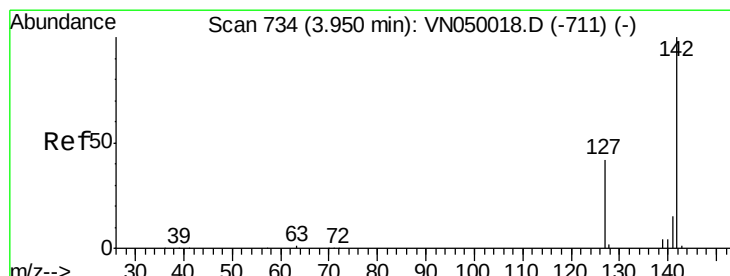
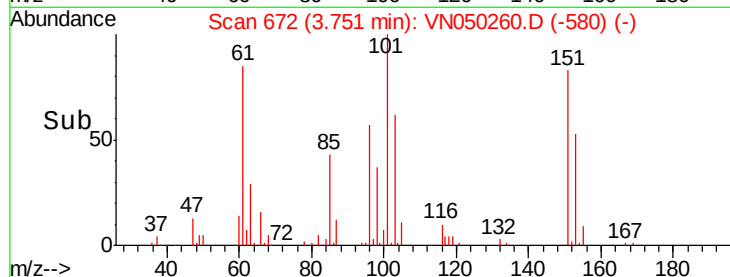
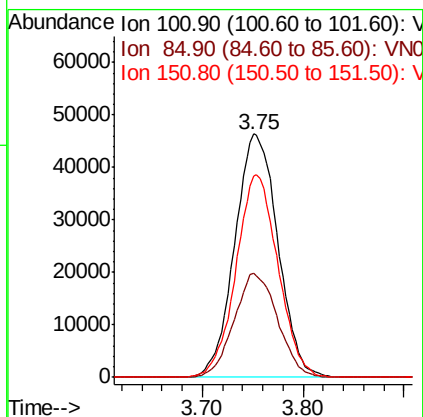
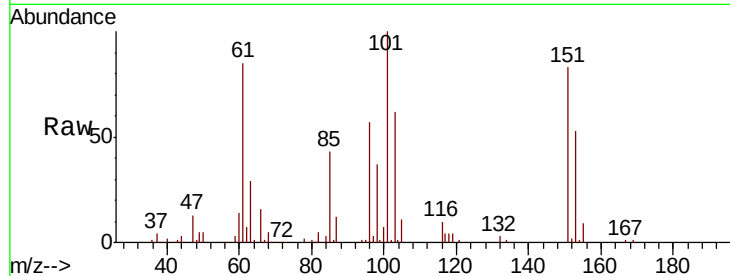
ClientSampleId :

VN0802WBSD01

Tot Ion:	101	Resp:	137325
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.2
151	81.1	66.3	99.5

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#10

Methyl Iodide

Concen: 7.998 ug/l

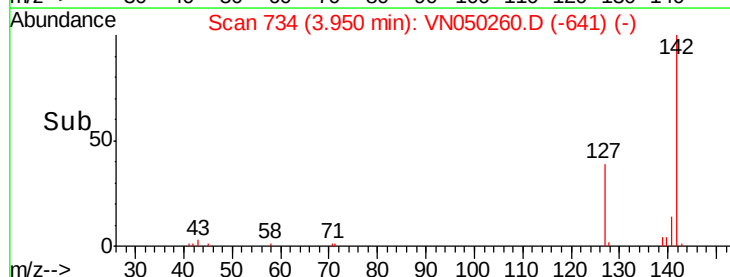
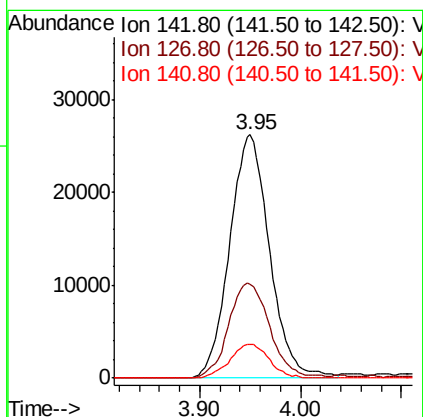
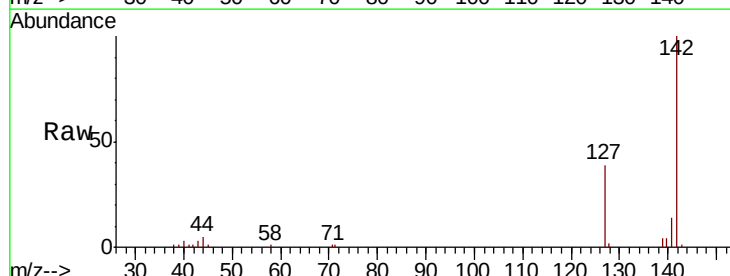
RT: 3.95 min Scan# 734

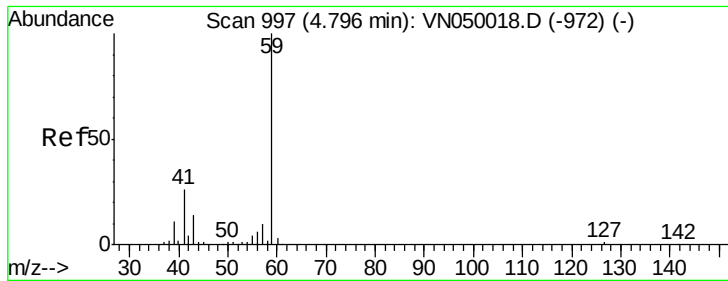
Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion:	142	Resp:	72110
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.4	50.2
141	13.7	11.6	17.4





#11

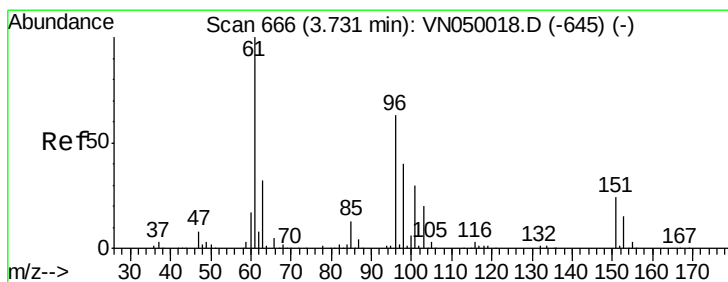
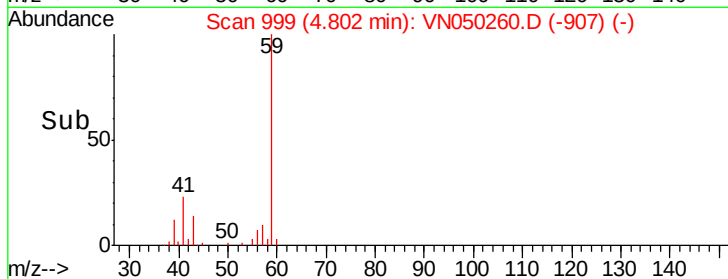
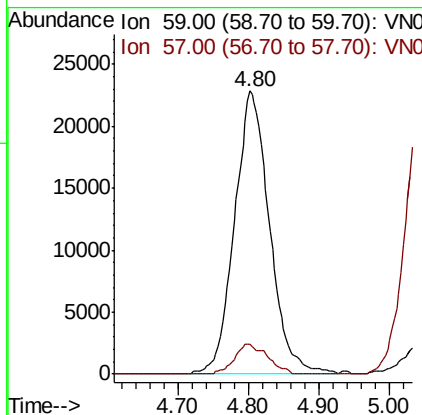
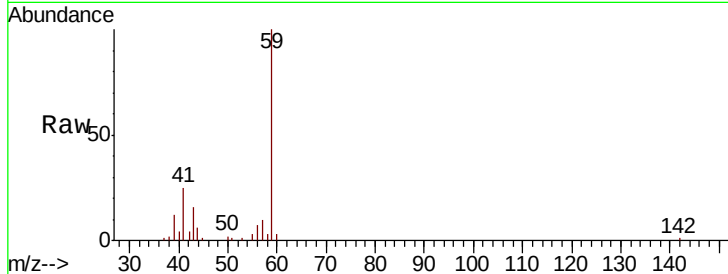
Tert butyl alcohol
Concen: 140.599 ug/l
RT: 4.80 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.0	8.5	12.7

Manual Integrations
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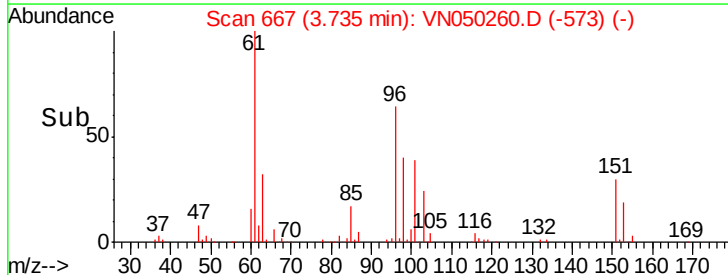
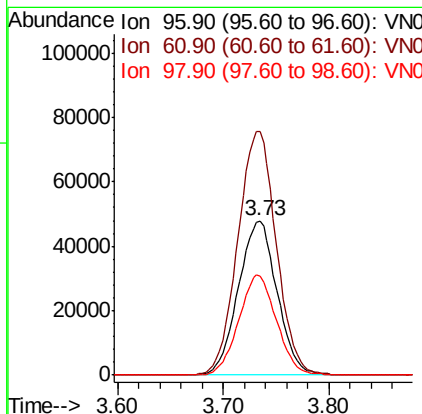
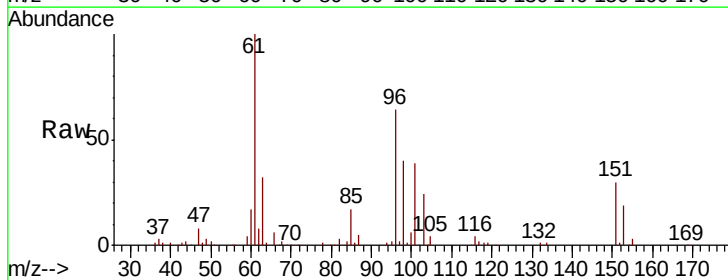
MMDadoda
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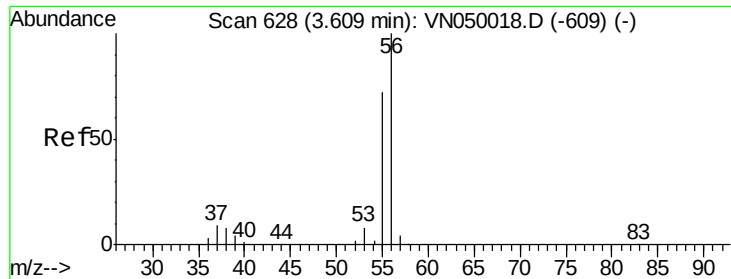


#12

1,1-Dichloroethene
Concen: 19.343 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	157.5	124.4	186.6
98	98	63.7	48.3	72.5





#13

Acrolein

Concen: 161.691 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 56 Resp: 73114

Ion Ratio Lower Upper

56 100

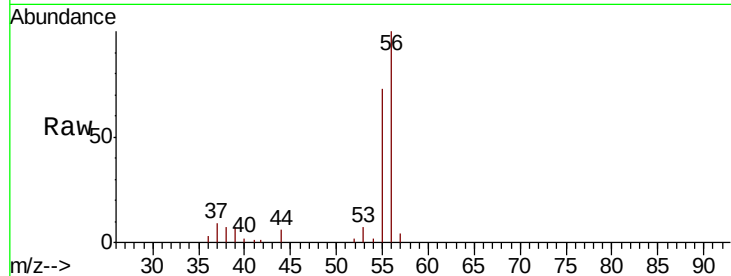
55 72.8 55.8 83.6

Manual Integrations

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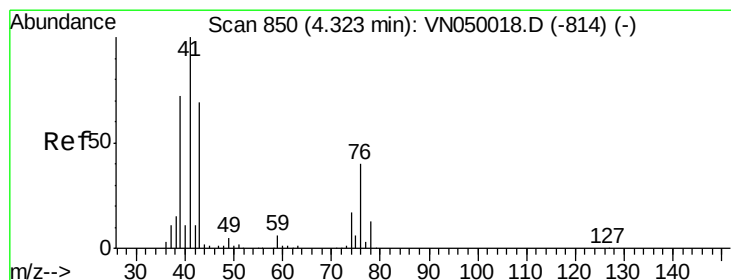
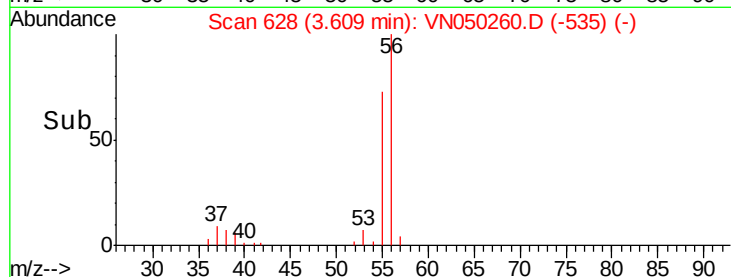
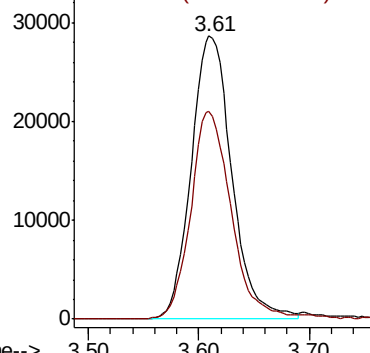
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.309 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

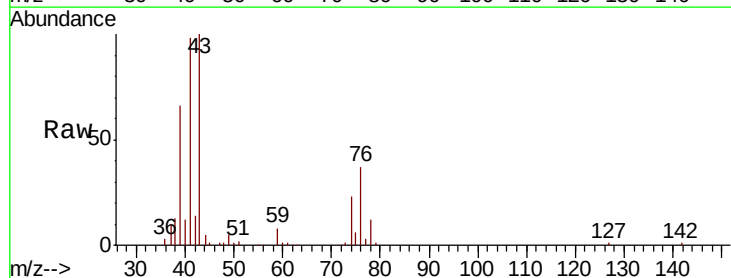
Tgt Ion: 41 Resp: 208784

Ion Ratio Lower Upper

41 100

39 64.1 54.2 81.4

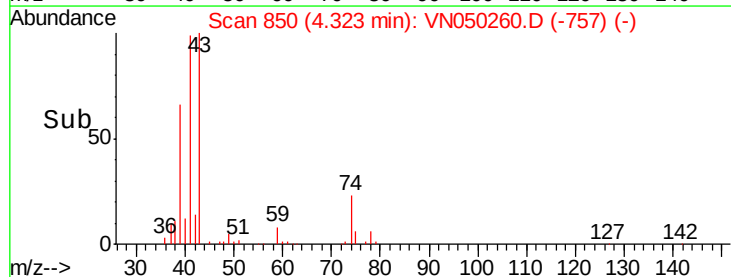
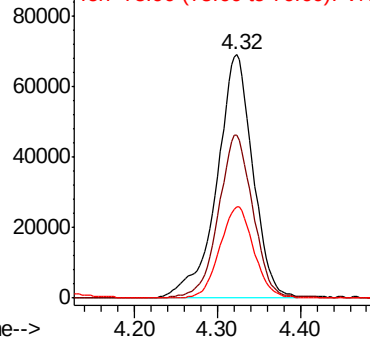
76 35.5 29.0 43.6

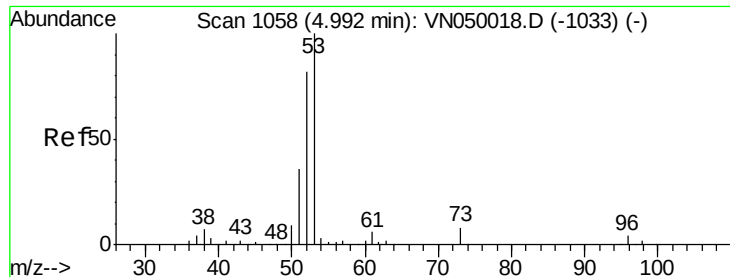


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 125.342 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

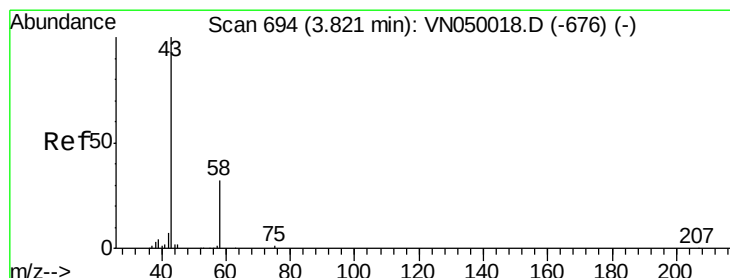
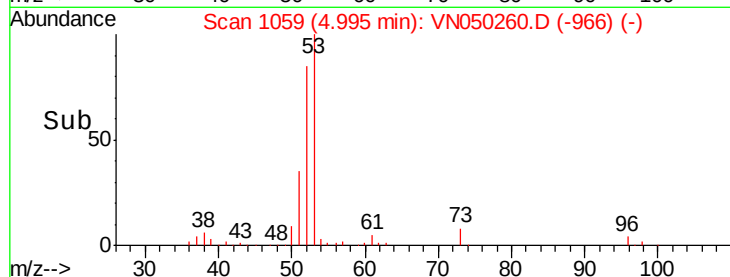
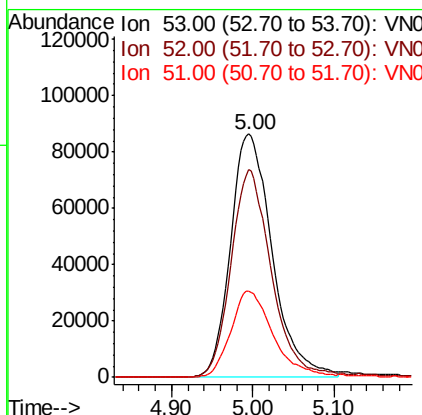
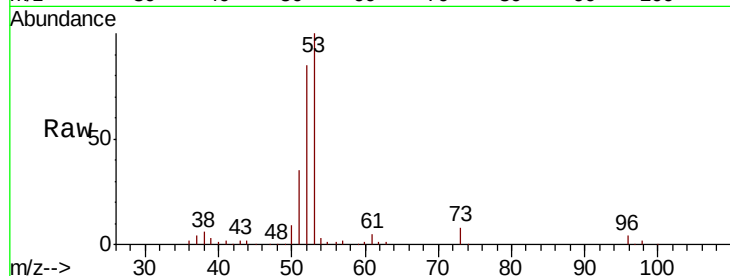
ClientSampleId :

VN0802WBSD01

Tot Ion:	53	Resp:	307770
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	35.9	29.3	43.9

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#16

Acetone

Concen: 134.470 ug/l

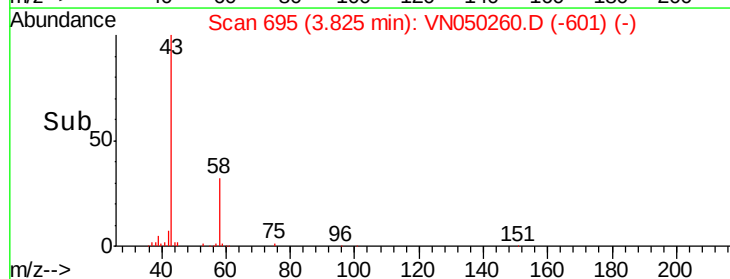
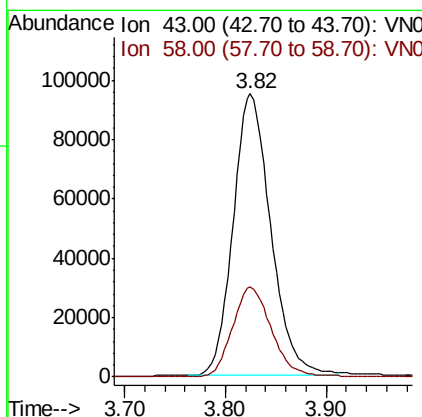
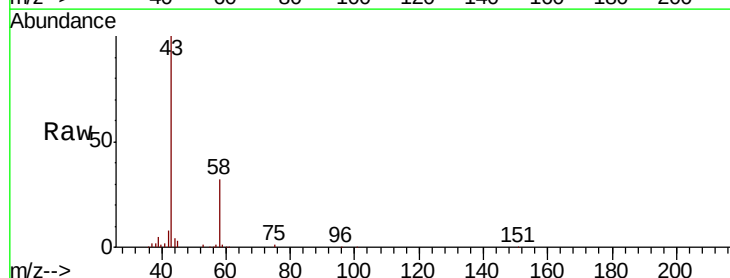
RT: 3.82 min Scan# 695

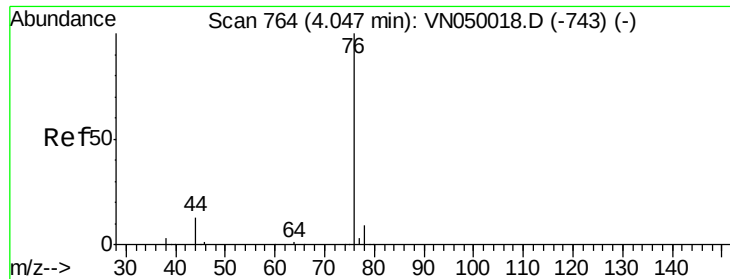
Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion:	43	Resp:	245894
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.8	38.8





#17

Carbon Disulfide

Concen: 16.457 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleID :

VN0802WBSD01

Tot Ion: 76 Resp: 318557

Ion Ratio Lower Upper

76 100

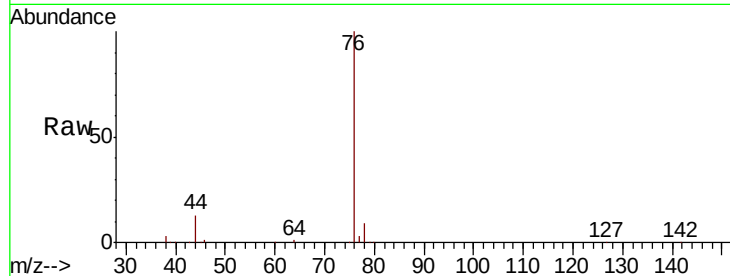
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)

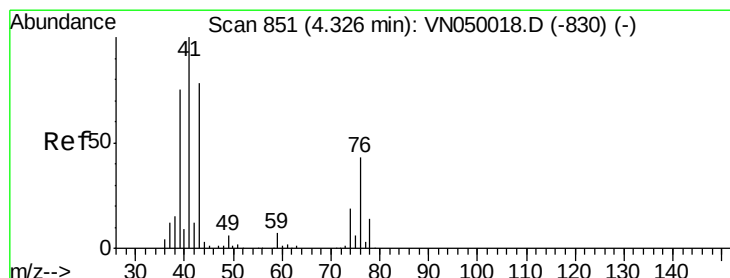
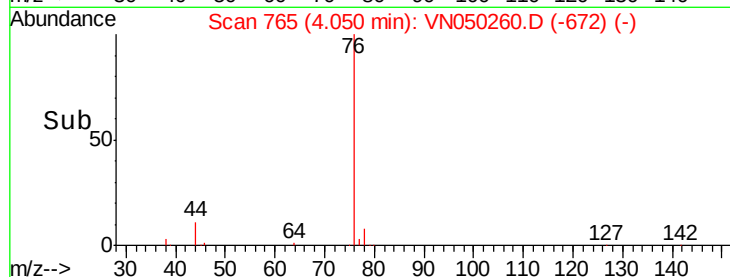
4.05

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 31.141 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050260.D

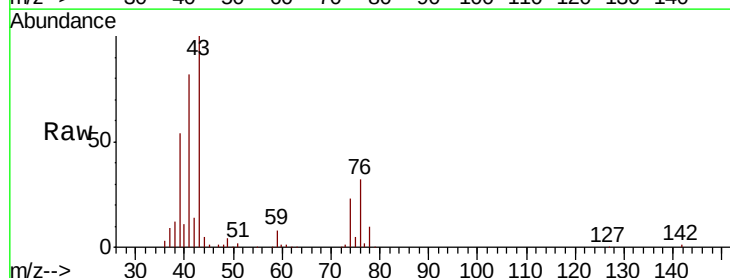
Acq: 2 Aug 2018 13:39

Tgt Ion: 43 Resp: 222541

Ion Ratio Lower Upper

43 100

74 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050018.D (-830) (-)

4.33

80000

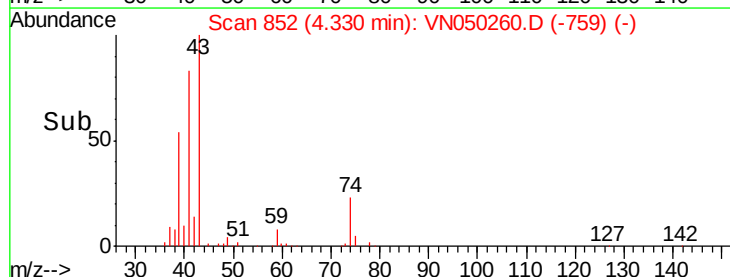
60000

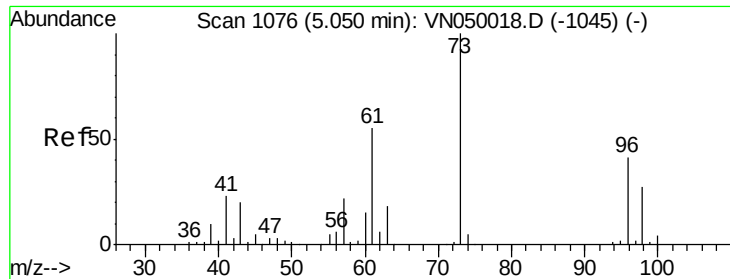
40000

20000

0

Time-->





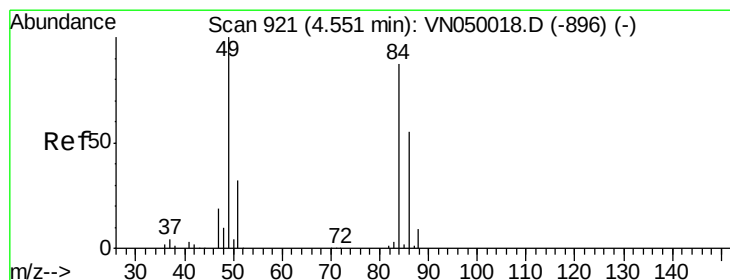
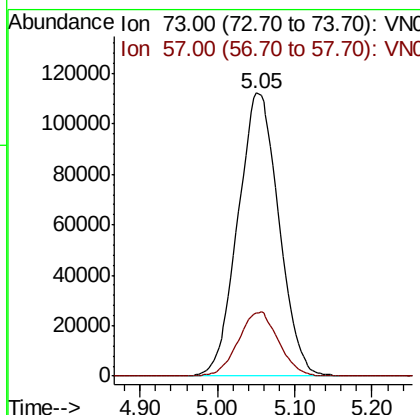
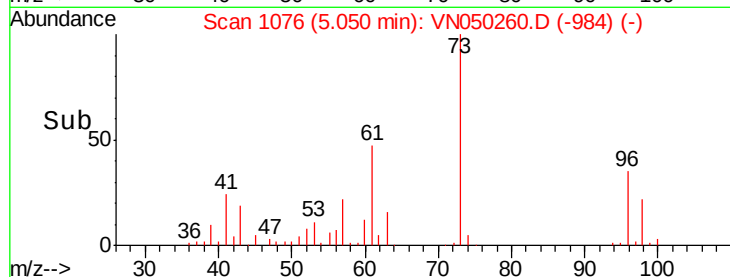
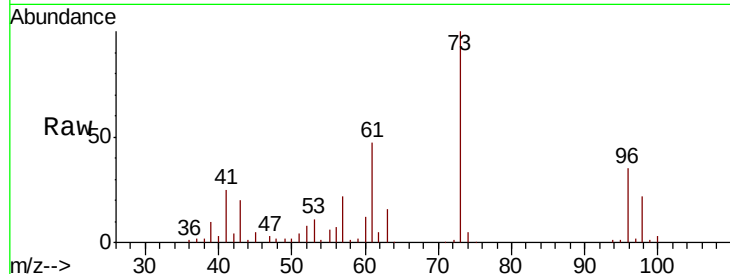
#19
Methvl tert-butyl Ether
Concen: 24.591 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion: 73 Resp: 414081
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0

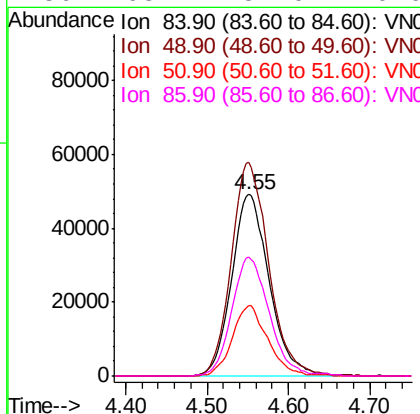
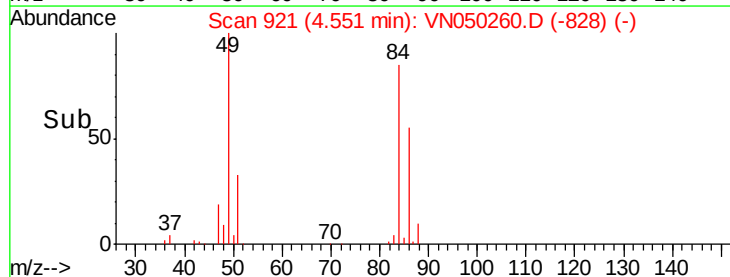
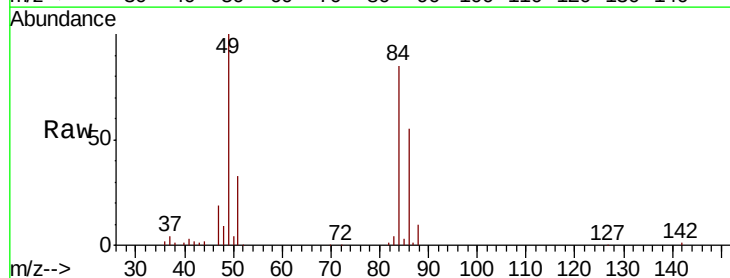
Manual Integrations
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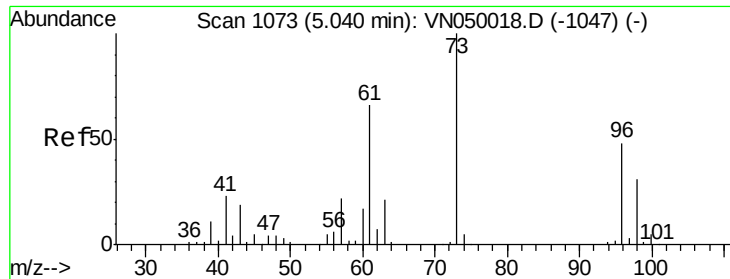
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#20
Methylene Chloride
Concen: 22.497 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion: 84 Resp: 157252
Ion Ratio Lower Upper
84 100
49 117.5 94.8 142.2
51 38.7 28.3 42.5
86 65.2 51.0 76.6





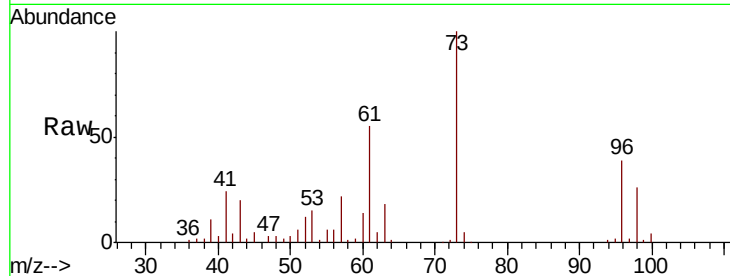
#21
trans-1,2-Dichloroethene
Concen: 19.600 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	110.7	166.1
98	65.7	51.6	77.4

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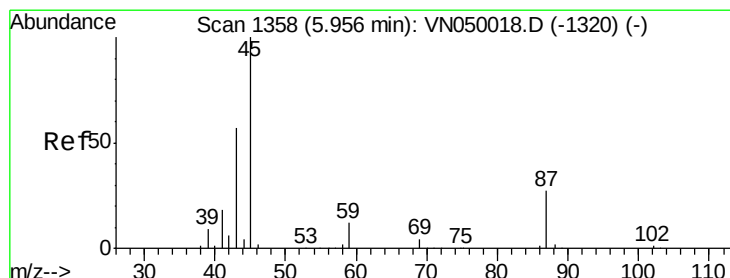
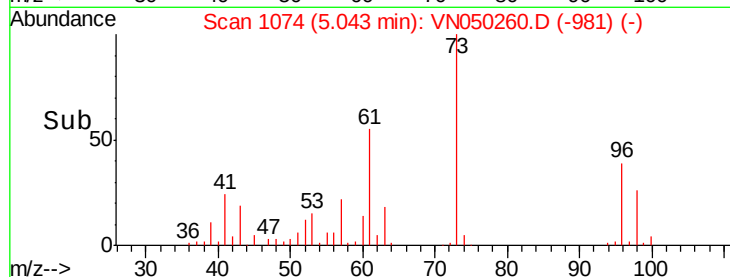
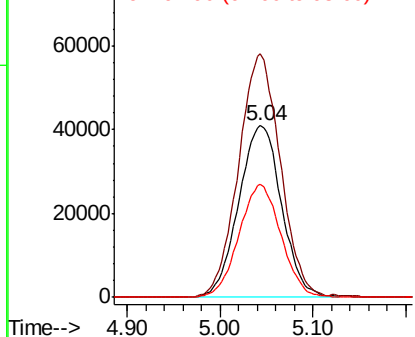


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 24.466 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	45.7	68.5
87	28.3	22.7	34.1
59	12.0	9.5	14.3

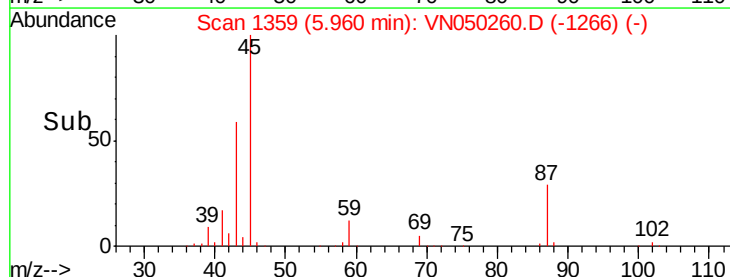
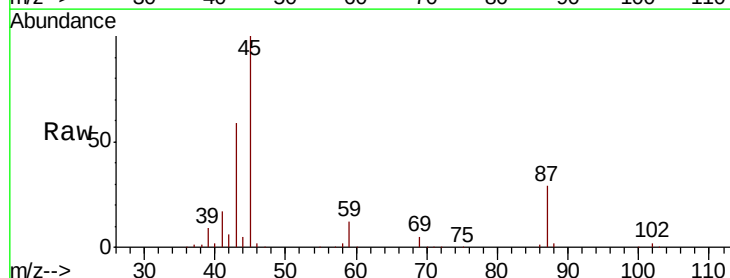
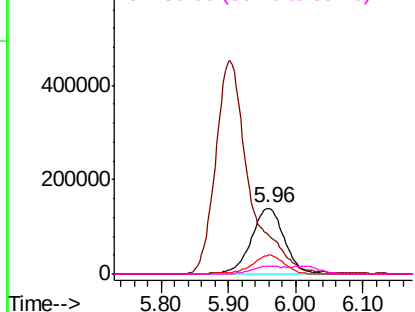
Abundance

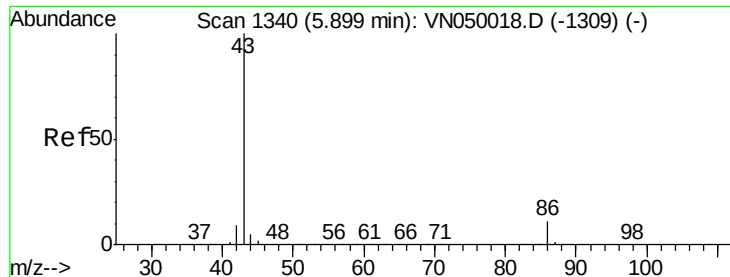
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





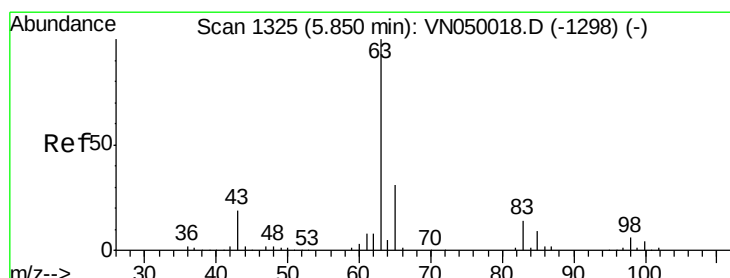
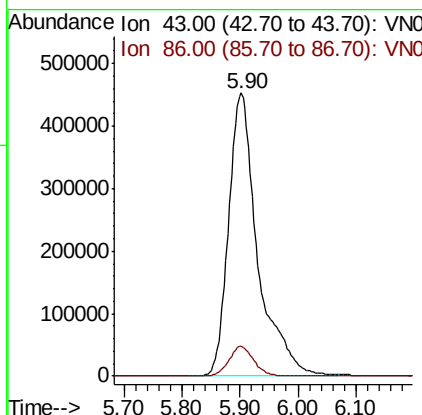
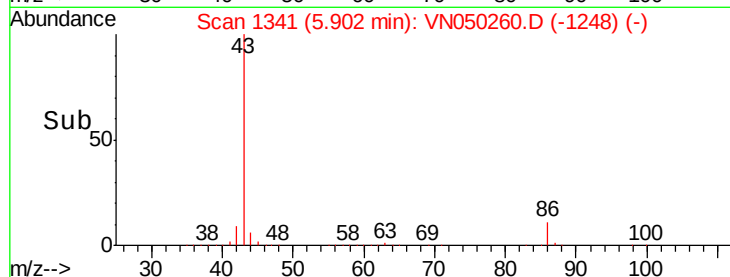
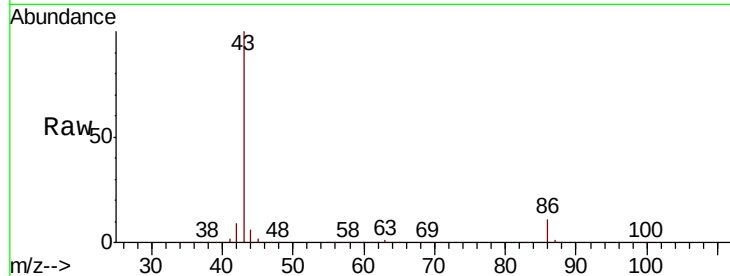
#23
 Vinyl Acetate
 Concen: 115.136 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0802WBSD01

Tot Ion: 43 Resp: 1580682
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0

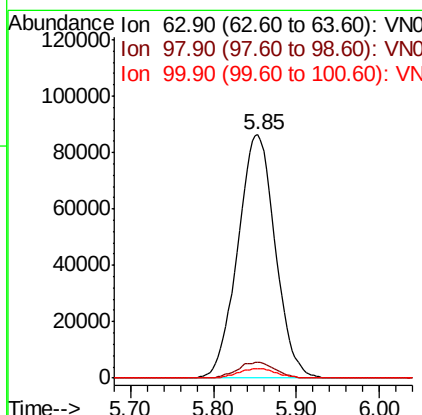
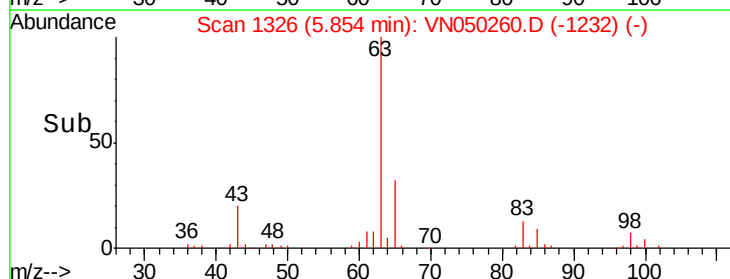
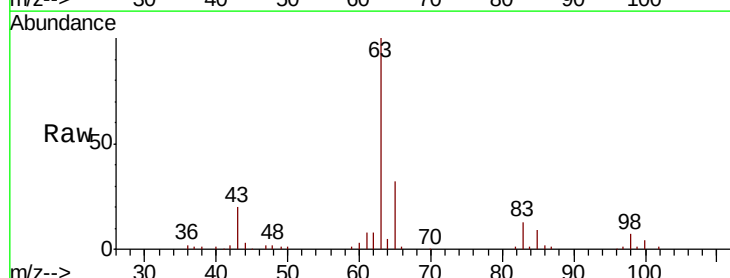
Manual Integrations
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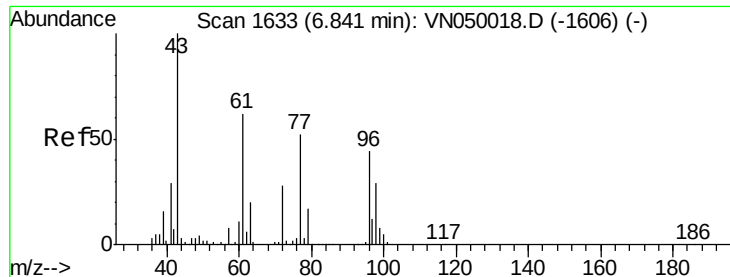
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.339 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Tgt Ion: 63 Resp: 271086
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 130.611 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0802WBSD01

Tot Ion: 43 Resp: 381066

Ion Ratio Lower Upper

43 100

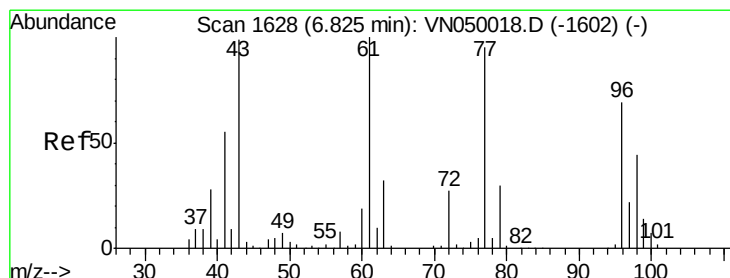
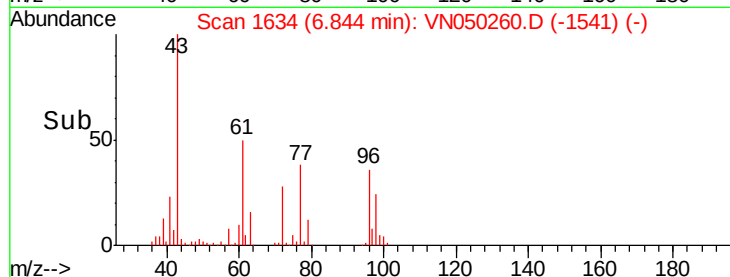
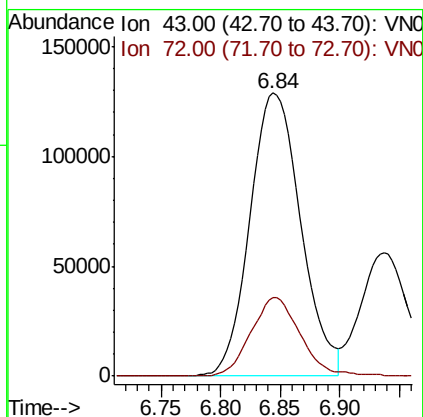
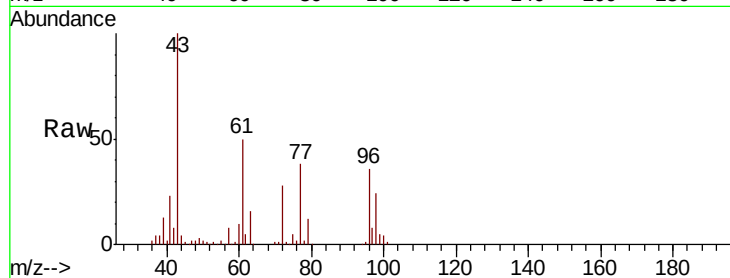
72 27.8 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

8/3/2018 9:36:10 AM



#26

2,2-Dichloropropane

Concen: 21.436 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050260.D

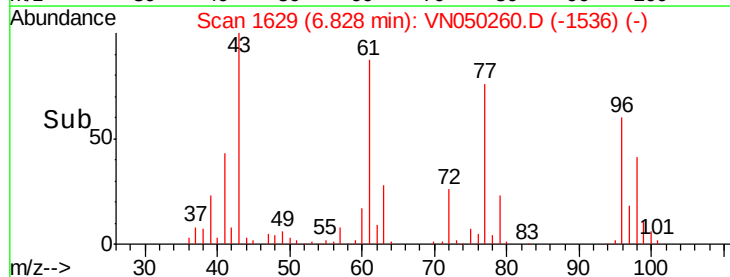
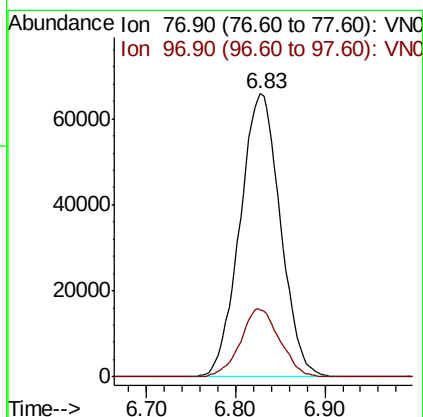
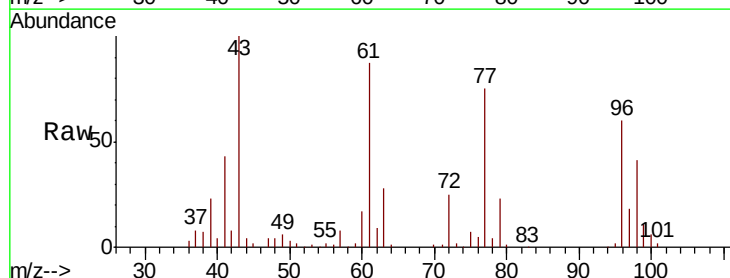
Acq: 2 Aug 2018 13:39

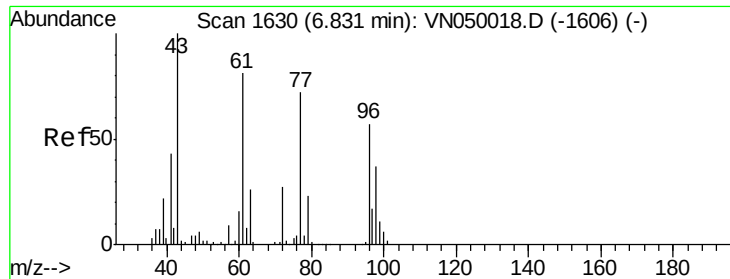
Tgt Ion: 77 Resp: 207166

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 22.158 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

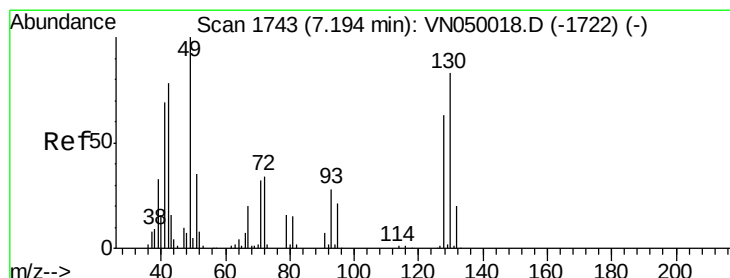
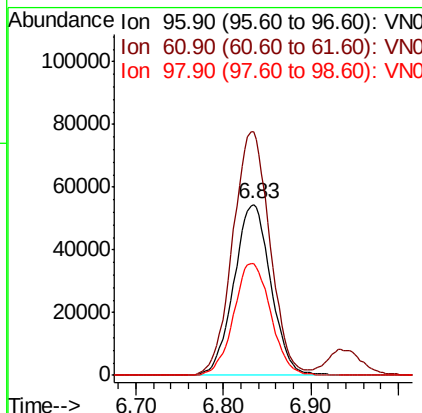
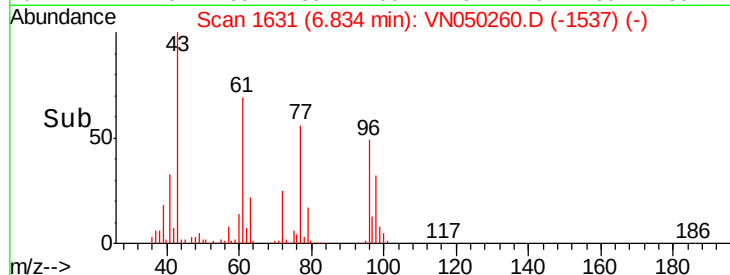
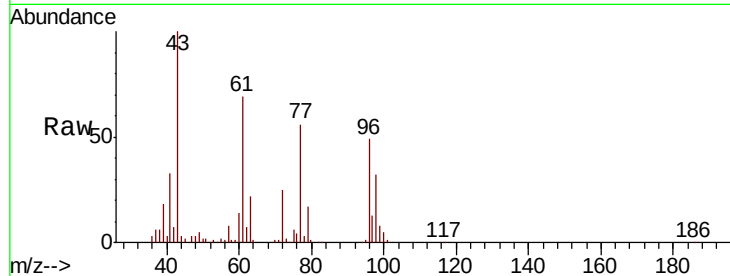
ClientSampleID :

VN0802WBSD01

Tot Ion:	96	Resp:	159700
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	285.0
98	65.6	0.0	129.2

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#28

Bromochloromethane

Concen: 22.120 ug/l

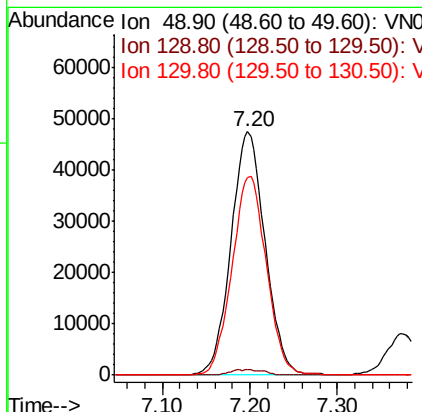
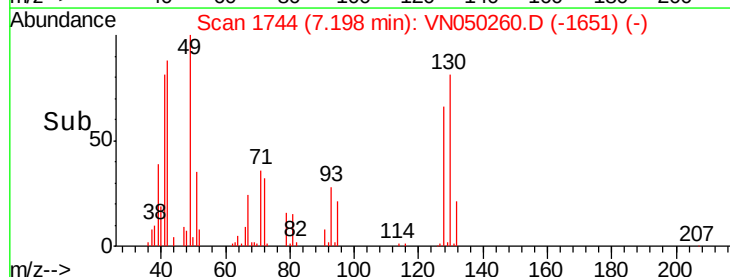
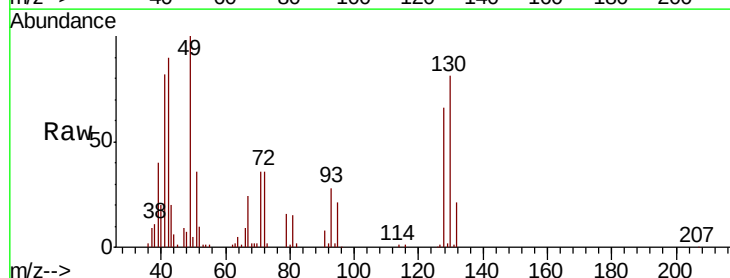
RT: 7.20 min Scan# 1744

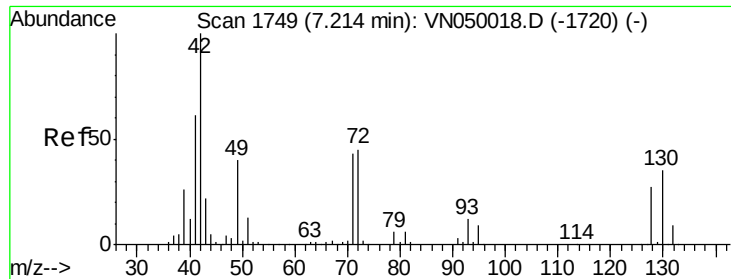
Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion:	49	Resp:	128170
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.0
130	82.6	66.3	99.5





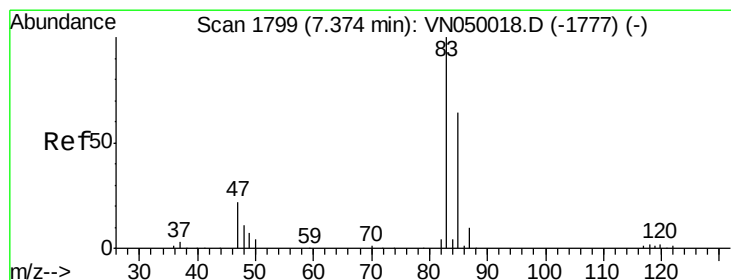
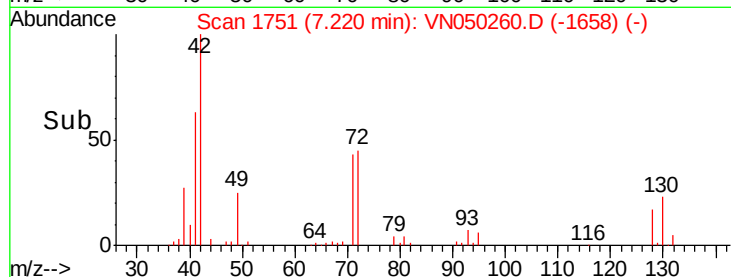
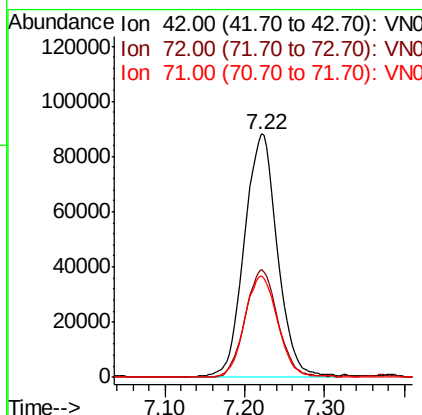
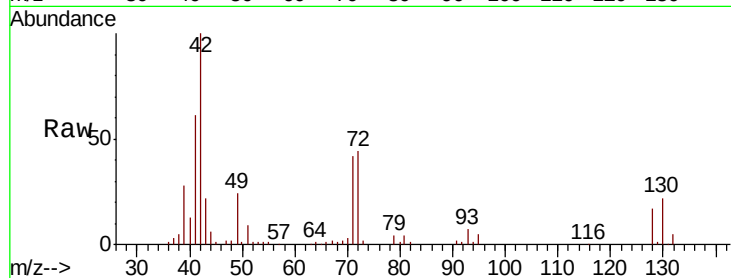
#29
Tetrahydrofuran
Concen: 130.679 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.9	53.9
71	41.9	33.7	50.5

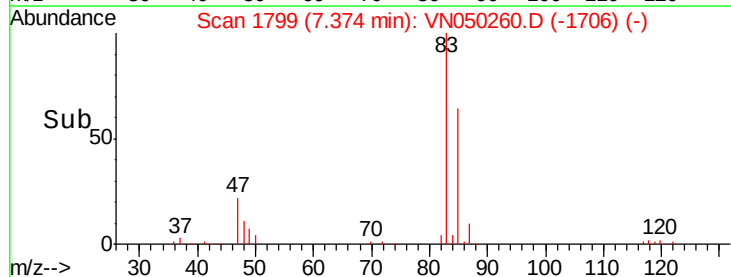
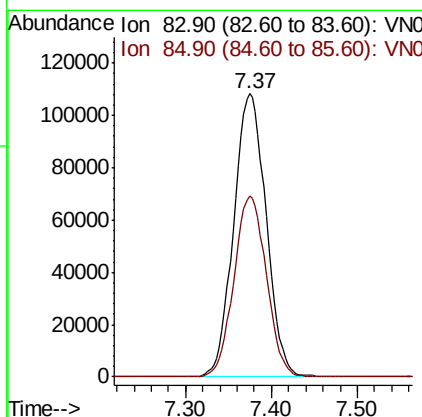
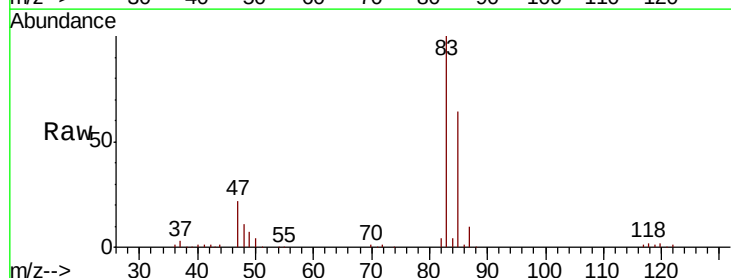
Manual Integrations
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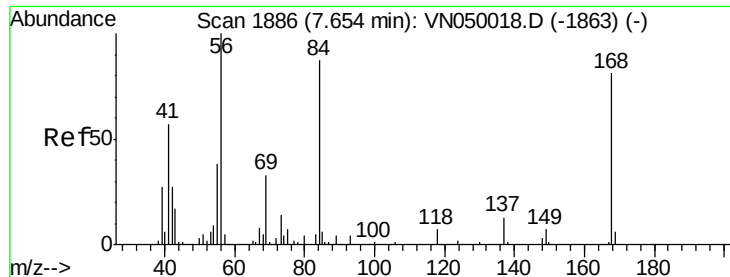
MMDadoda
8/3/2018 9:36:10 AM



#30
Chloroform
Concen: 21.879 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.5	78.7





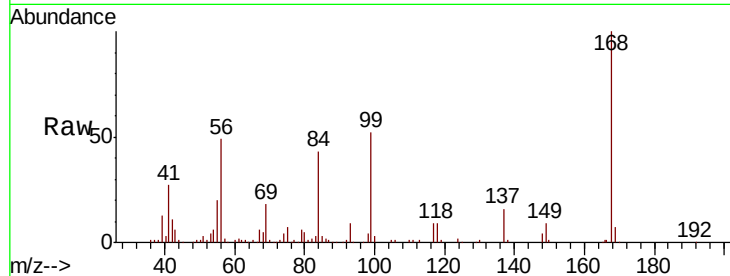
#31
Cyclohexane
Concen: 18.885 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion	56	69	84	Ratio	Lower	Upper
199409	100	36.4	86.7		26.2	39.4
					67.4	101.0

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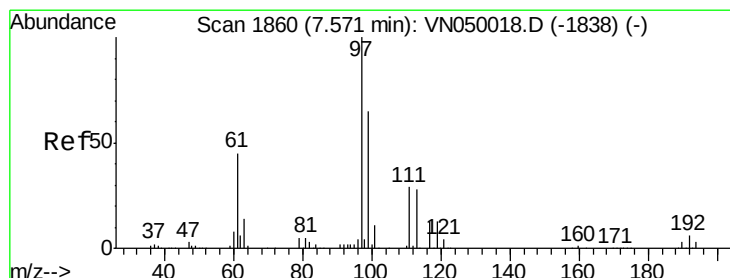
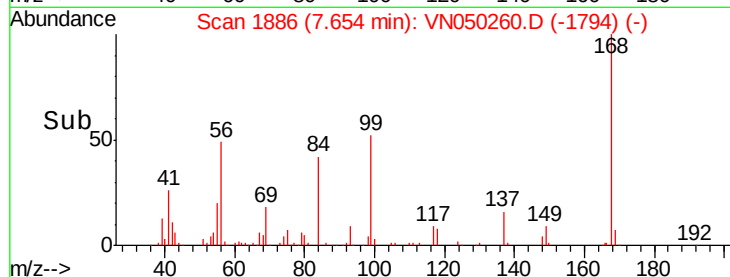
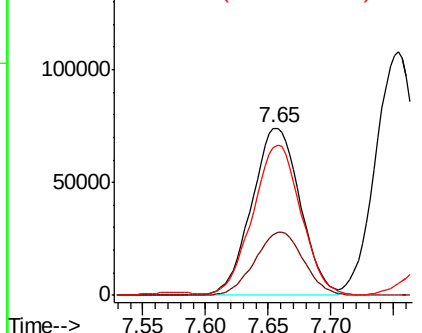


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 20.244 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

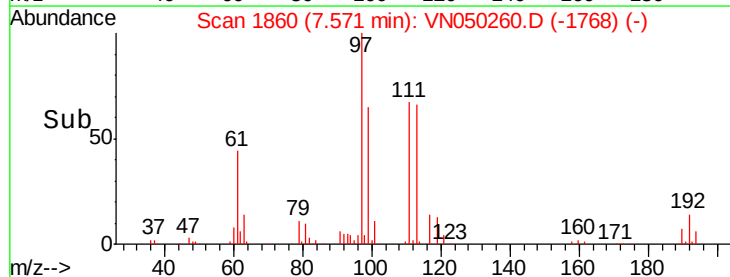
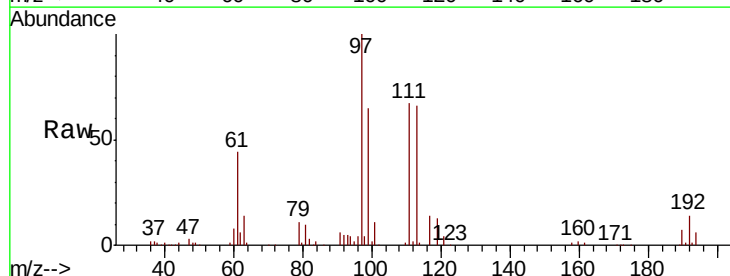
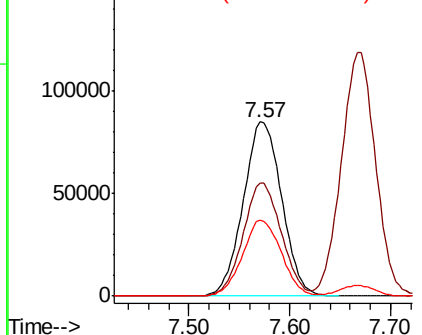
Tgt Ion	97	99	61	Ratio	Lower	Upper
224484	100	64.7	44.1		51.4	77.0
					35.4	53.0

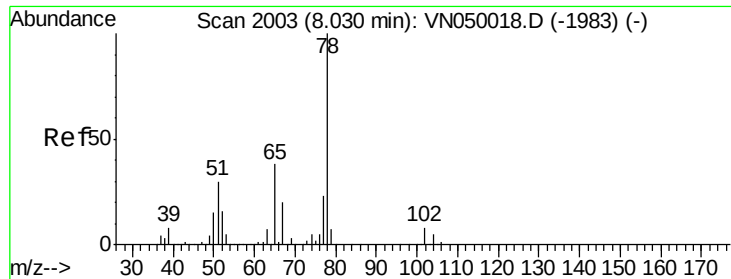
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





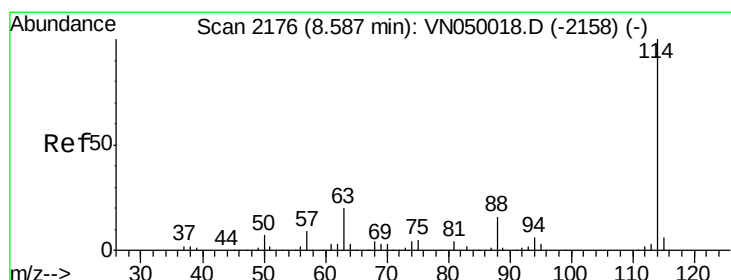
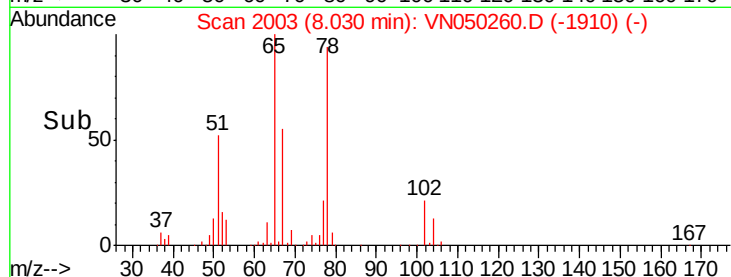
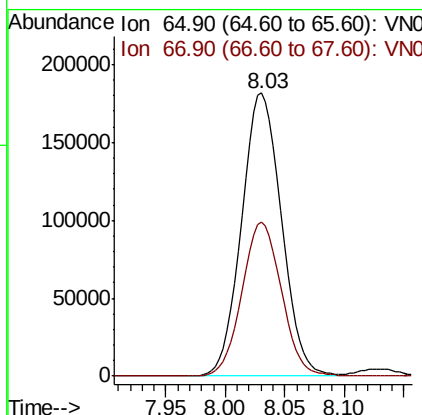
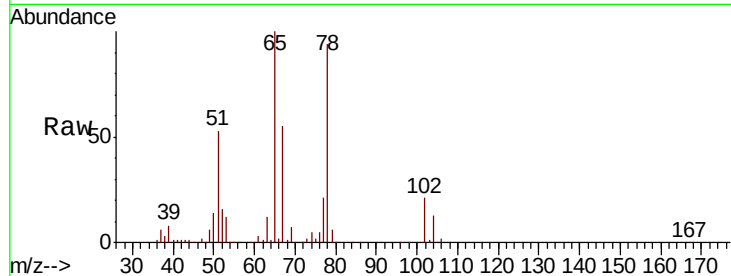
#33
 1,2-Dichloroethane-d4
 Concen: 55.327 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	108.4	

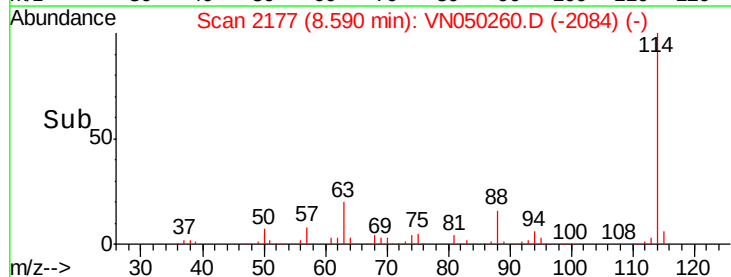
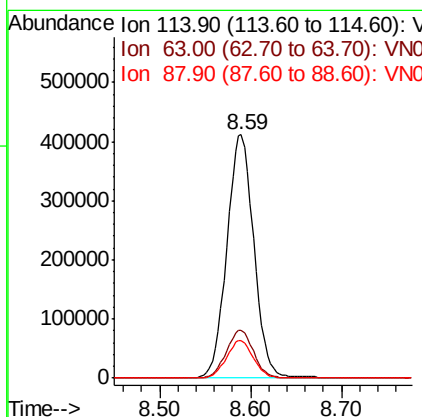
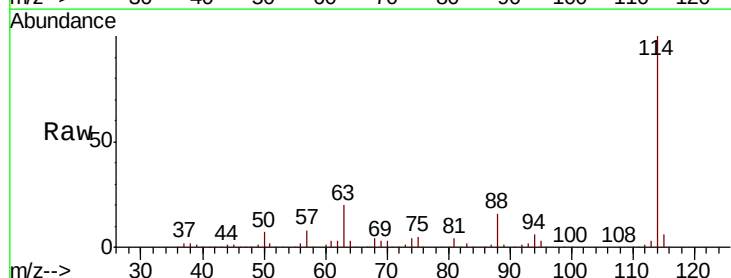
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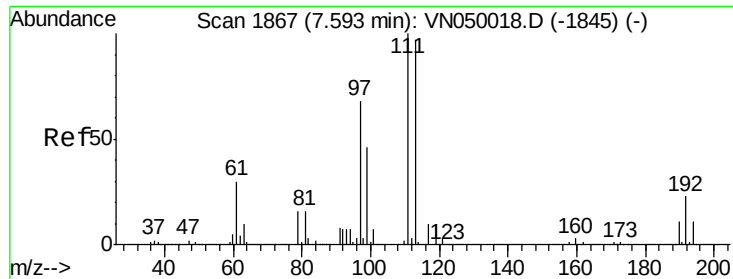
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	40.0	
88	15.6	0.0	31.2	





#35

Dibromofluoromethane

Concen: 53.009 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

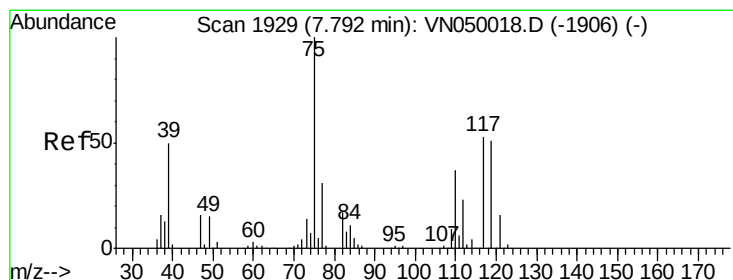
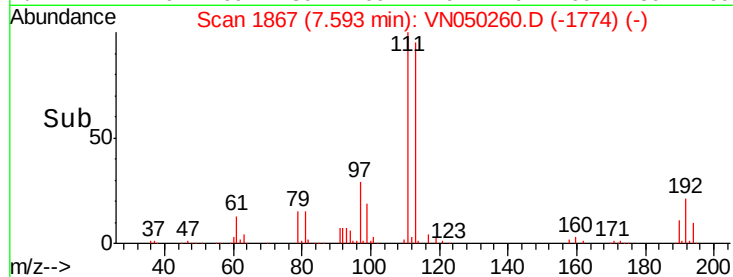
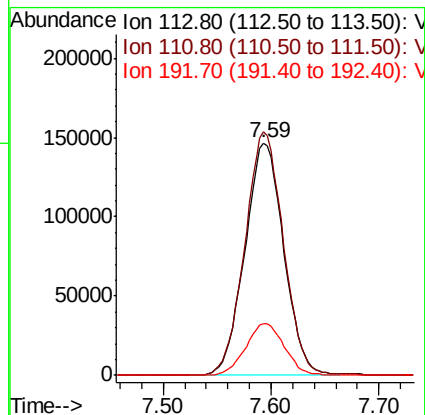
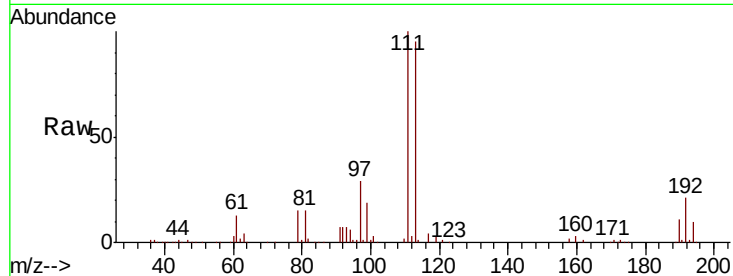
ClientSampleId :

VN0802WBSD01

Tot Ion:	113	Resp:	366223
Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.7	121.1
192	22.2	17.8	26.6

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8/3/2018 9:36:10 AM



#36

1,1-Dichloropropene

Concen: 19.252 ug/l

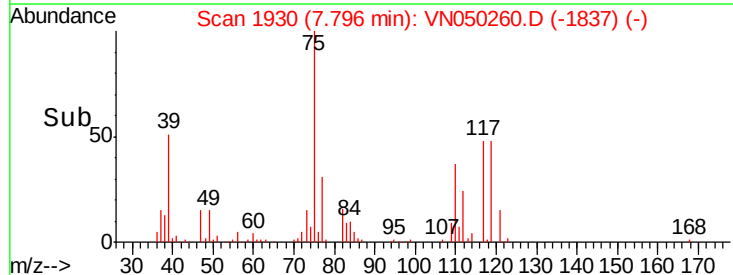
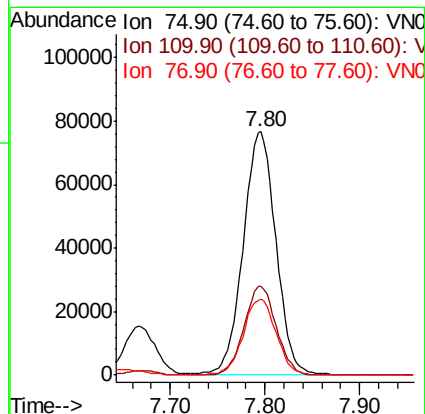
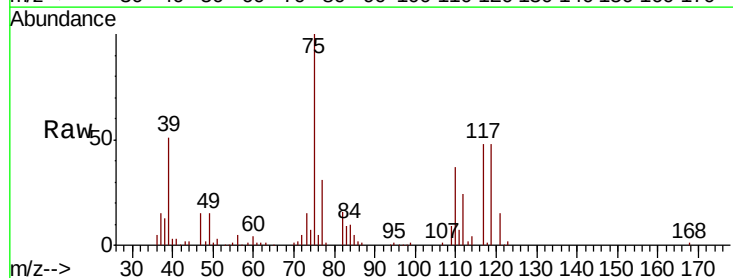
RT: 7.80 min Scan# 1930

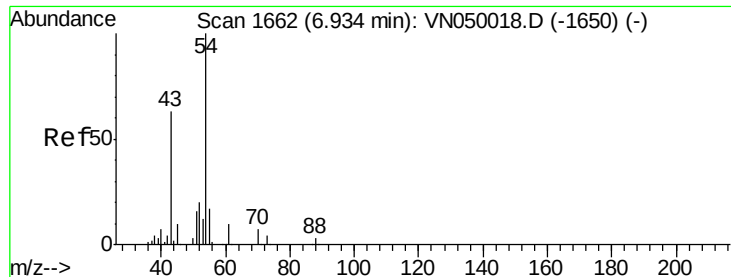
Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion:	75	Resp:	183532
Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.4	55.2
77	31.7	25.3	37.9





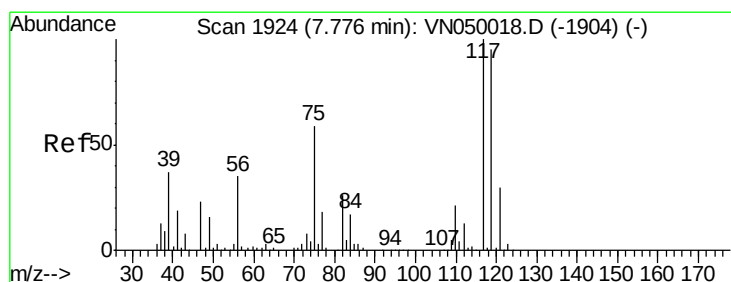
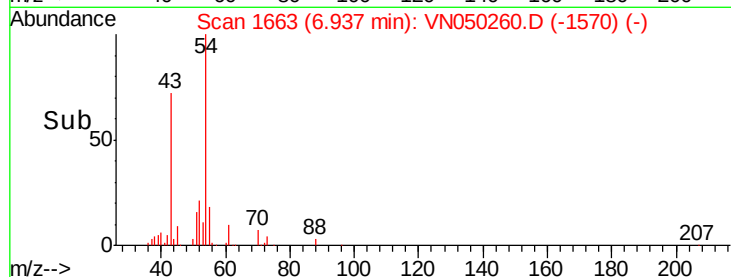
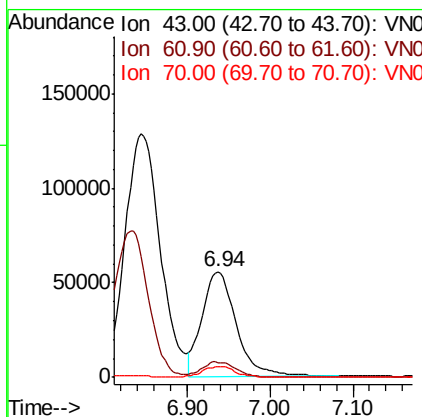
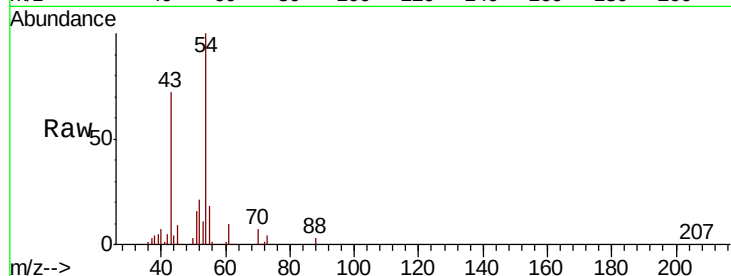
#37
Ethyl Acetate
Concen: 24.047 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	10.1	8.4	12.6

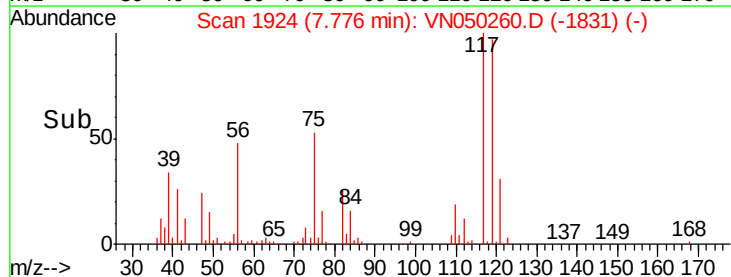
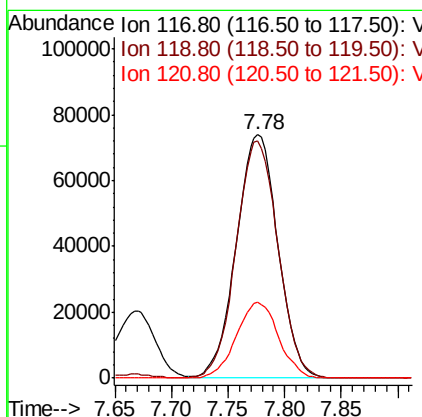
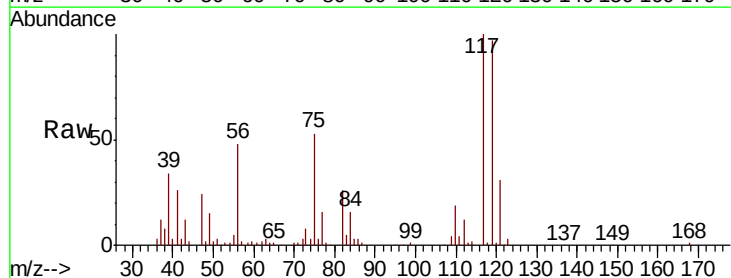
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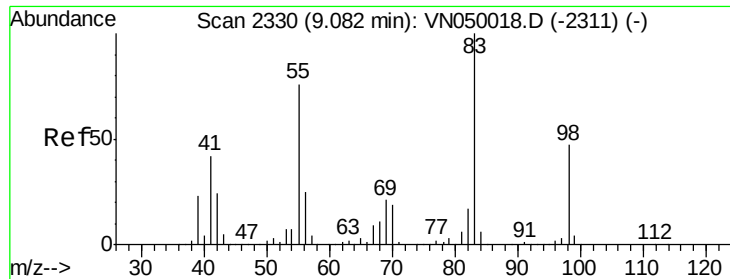
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.746 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.0
121	30.9	23.9	35.9





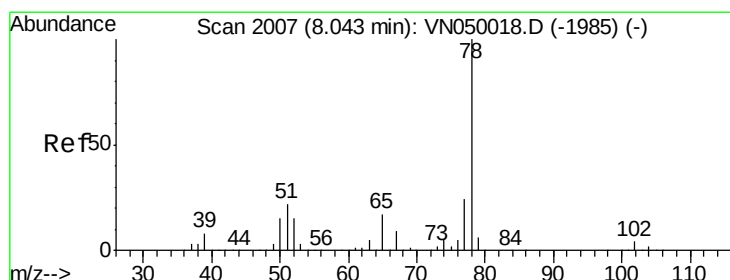
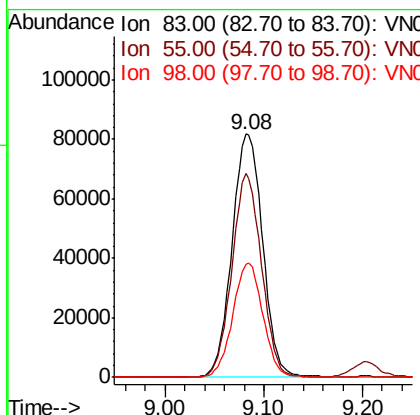
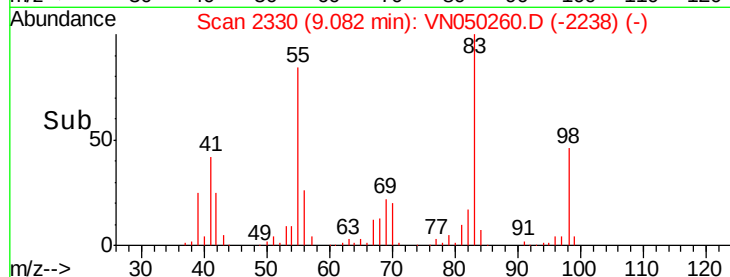
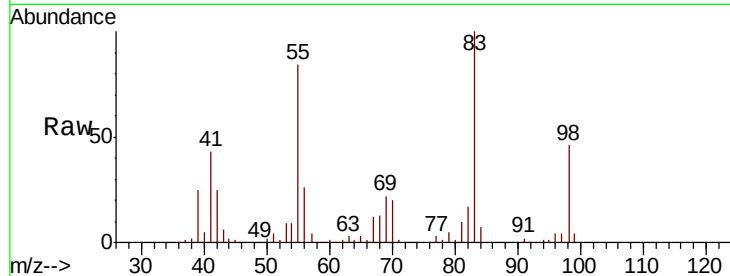
#39
Methylvlcyclohexane
Concen: 18.076 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion	83.00	Resp	177273
Ion Ratio	100	Lower	Upper
83	100		
55	83.7	61.8	92.8
98	46.4	36.5	54.7

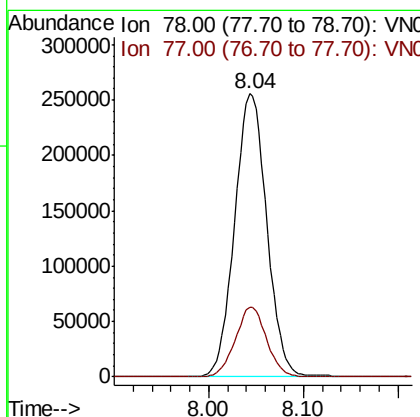
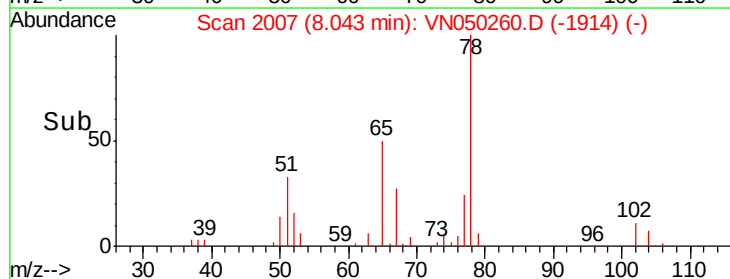
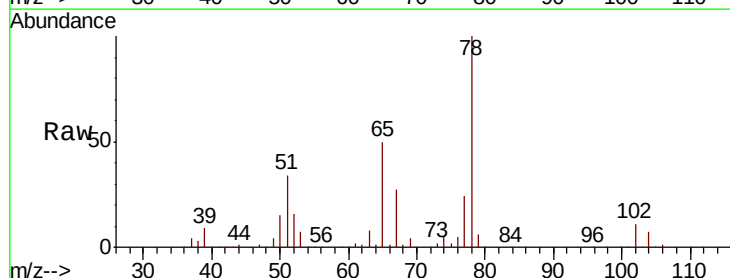
Manual Integrations
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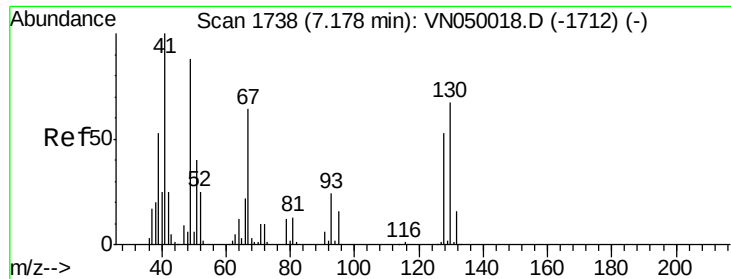
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#40
Benzene
Concen: 20.830 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	78.00	Resp	604272
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	18.7	28.1





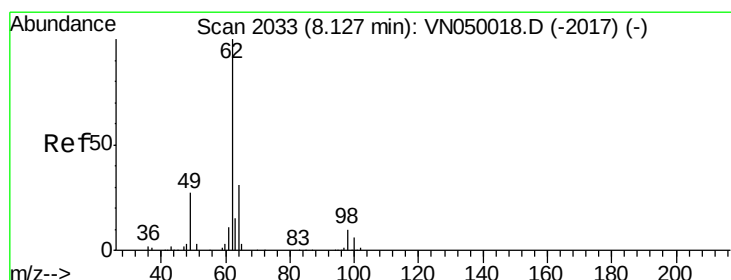
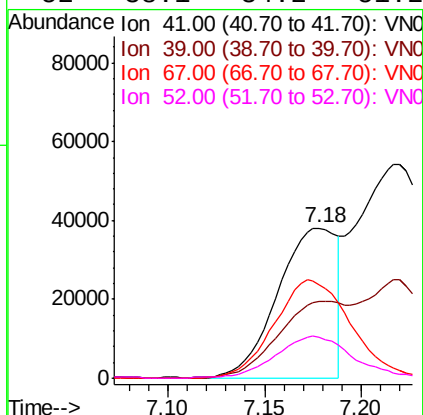
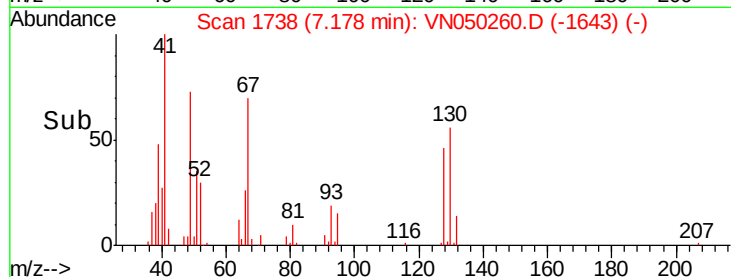
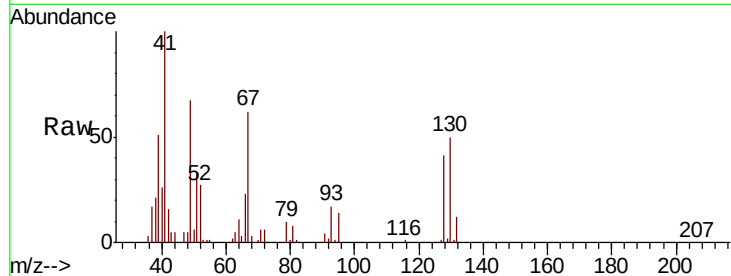
#41
Methacrylonitrile
Concen: 24.684 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion	41	Resp	80354
Ion	Ratio	Lower	Upper
41	100		
39	60.7	55.8	83.6
67	87.0	84.3	126.5
52	38.1	34.2	51.2

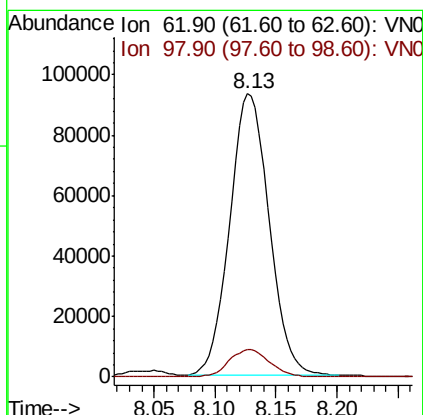
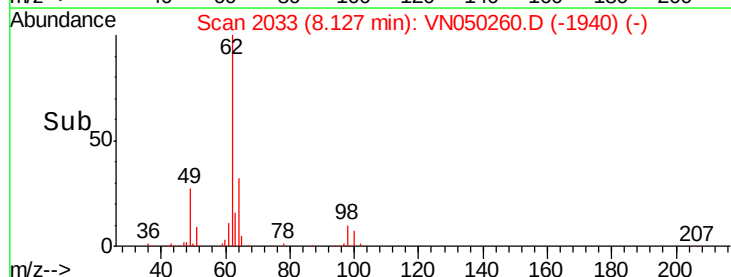
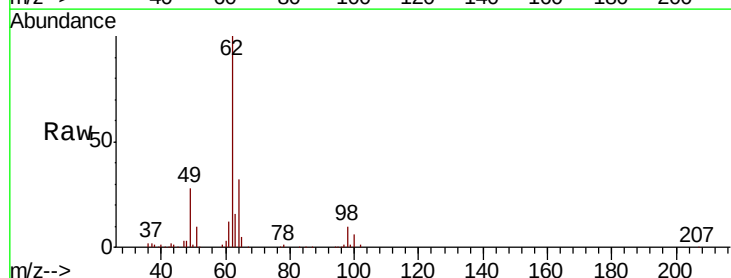
Manual Integrations
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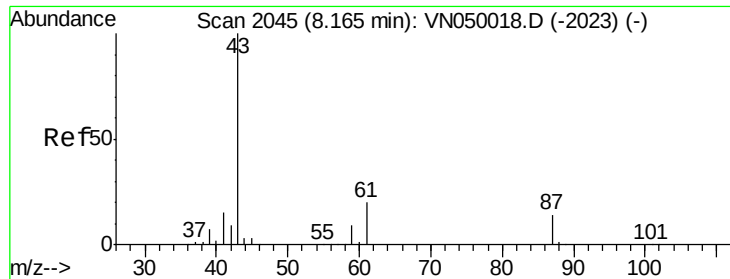
MMDadoda
8/3/2018 9:36:10 AM



#42
1,2-Dichloroethane
Concen: 21.572 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	62	Resp	208773
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.8





#43

Isopropyl Acetate

Concen: 23.832 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

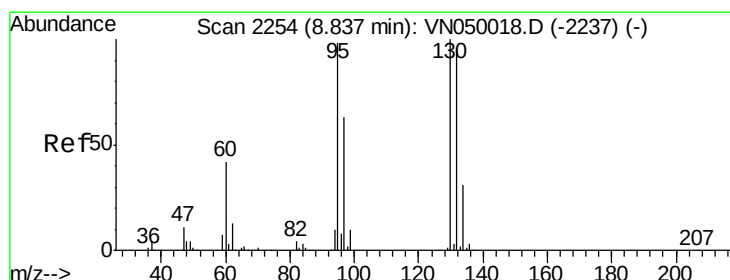
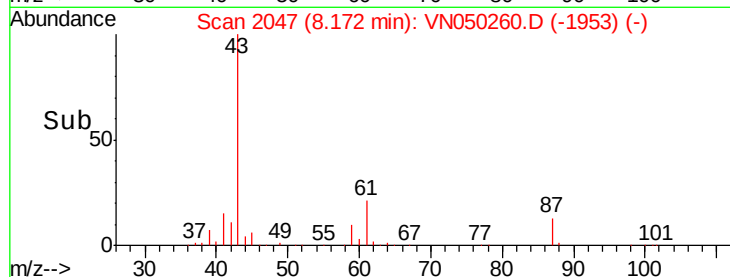
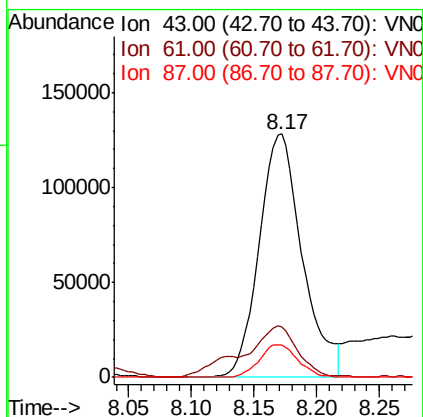
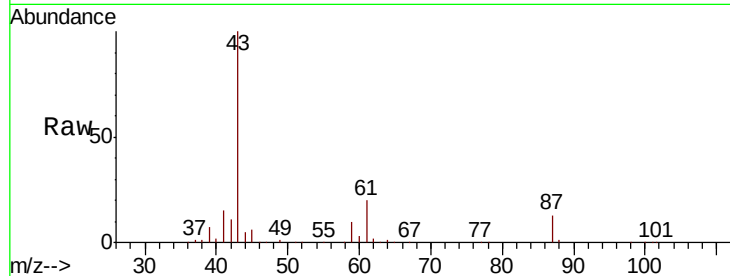
ClientSampleId :

VN0802WBSD01

Tot Ion:	43	Resp:	305975
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.8	23.6
87	12.0	10.3	15.5

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#44

Trichloroethene

Concen: 19.473 ug/l

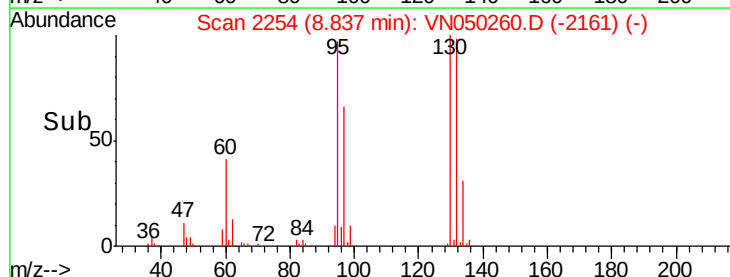
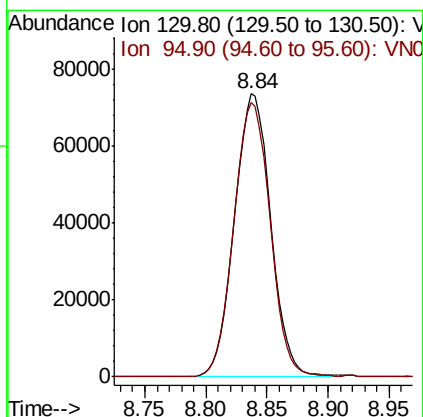
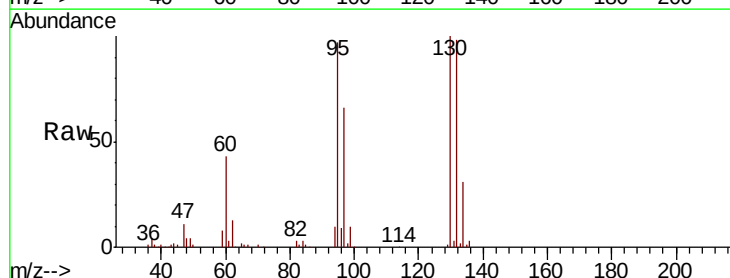
RT: 8.84 min Scan# 2254

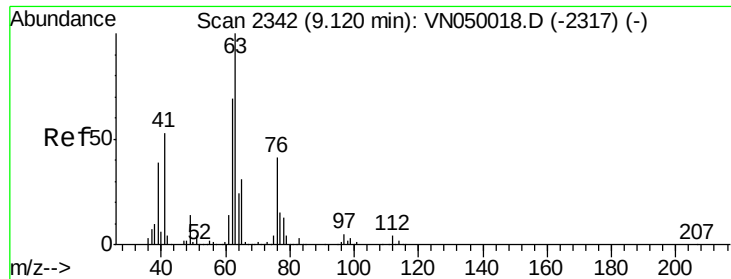
Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion:	130	Resp:	151789
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	194.6





#45

1,2-Dichloropropane

Concen: 22.227 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 63 Resp: 170785

Ion Ratio Lower Upper

63 100

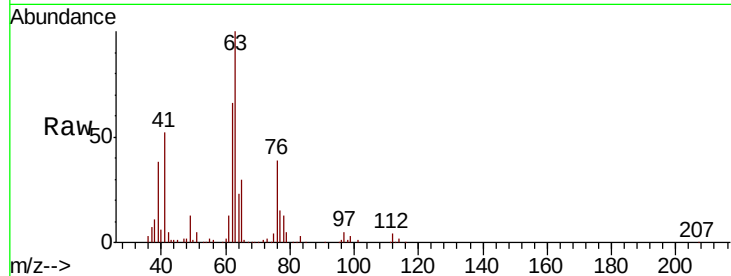
65 29.8 25.5 38.3

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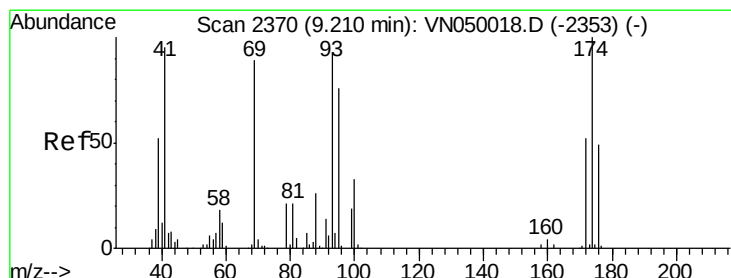
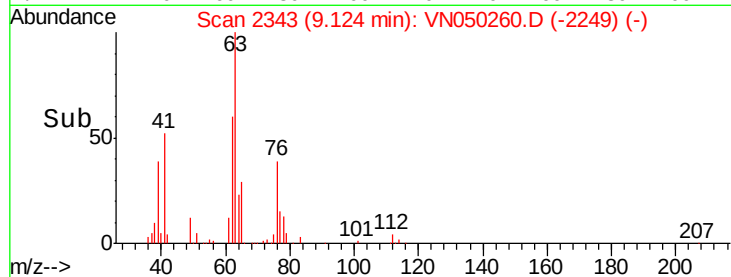
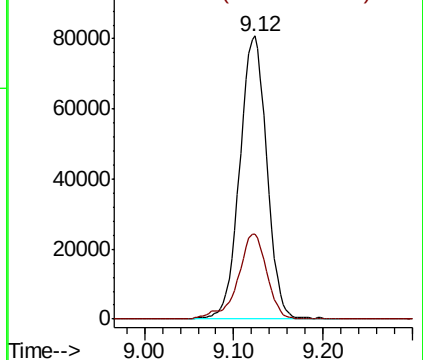
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 22.306 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

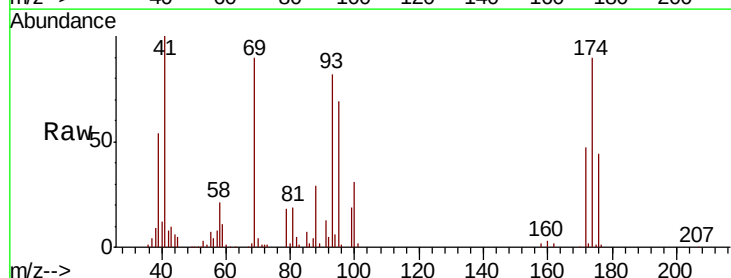
Tgt Ion: 93 Resp: 106421

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

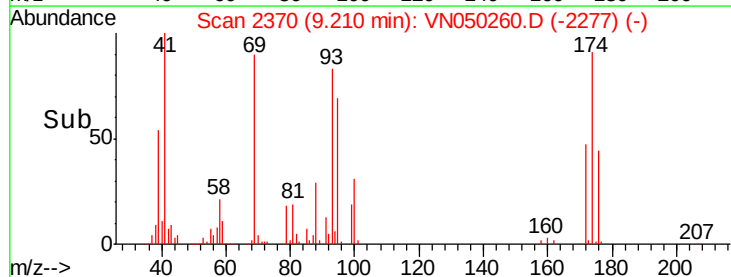
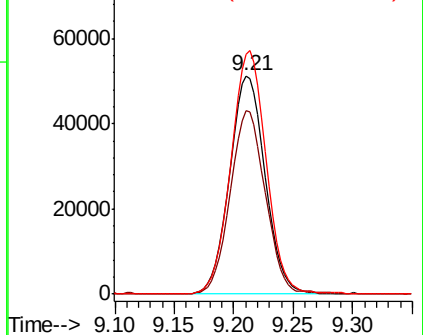
174 110.3 87.1 130.7

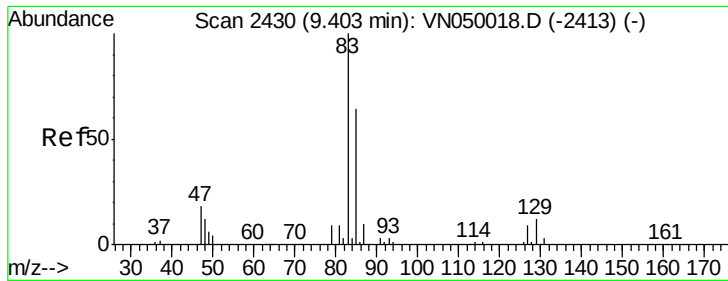


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.322 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

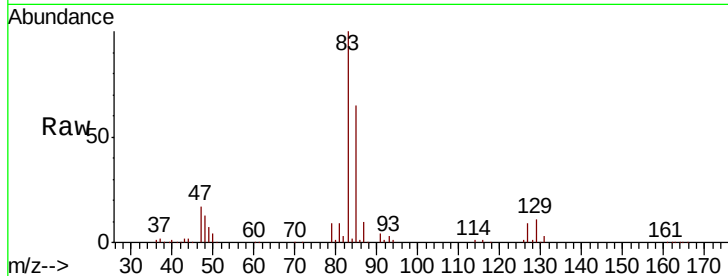
ClientSampleId :

VN0802WBSD01

Tot Ion:	83	Resp:	214706
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.1	76.7
127	9.2	7.0	10.4

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Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050018.D (-2413) (-)

9.41

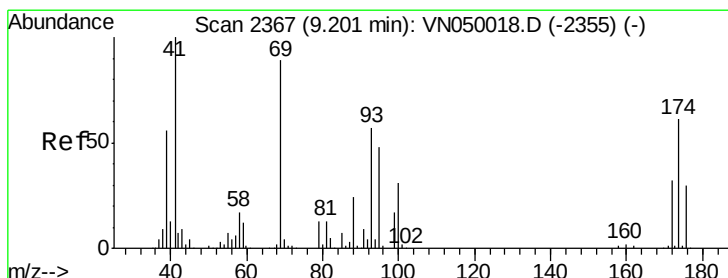
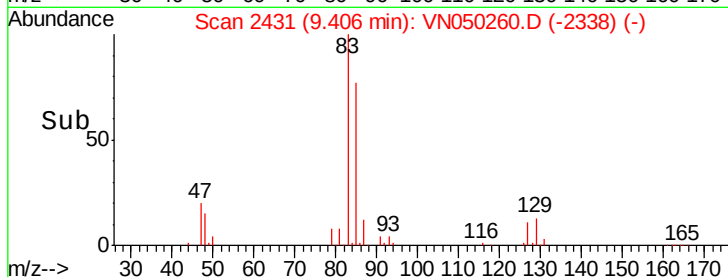
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#48

Methyl methacrylate

Concen: 24.143 ug/l

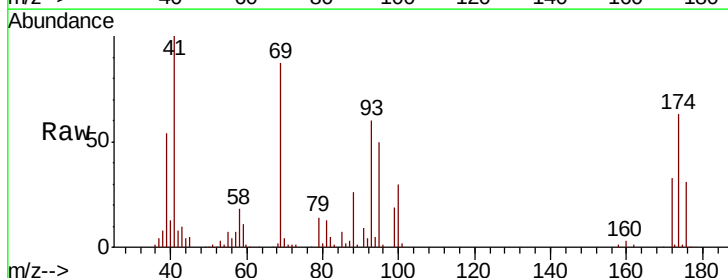
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion:	41	Resp:	138202
Ion Ratio	Lower	Upper	
41	100		
69	89.7	70.6	105.8
39	54.4	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN050018.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050018.D (-2355) (-)

9.20

100000

80000

60000

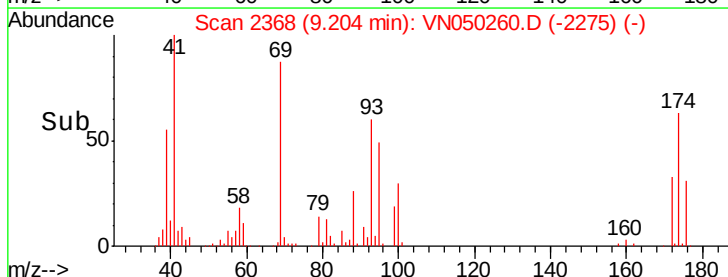
40000

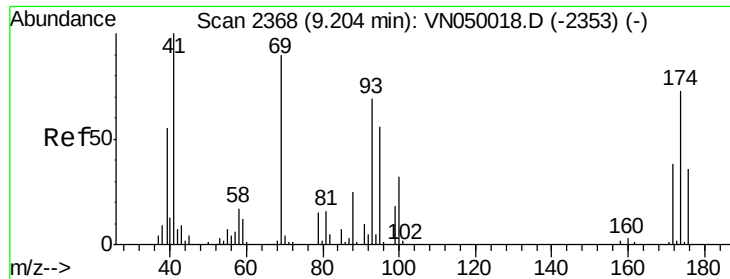
20000

0

9.15 9.20 9.25

Time-->





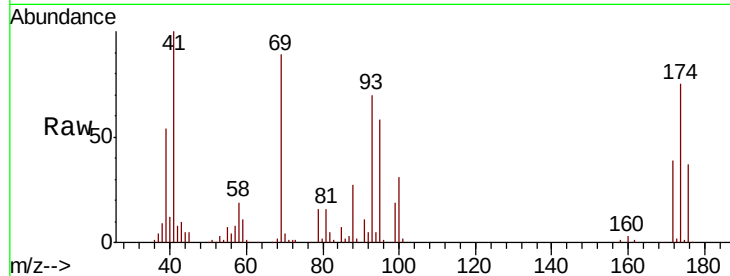
#49
1,4-Dioxane
Concen: 527.929 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	26.9	40.3
58	71.9	57.3	85.9

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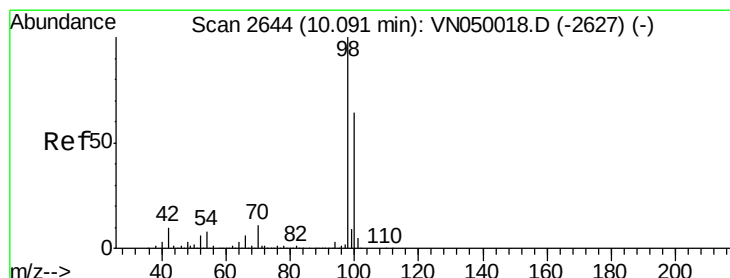
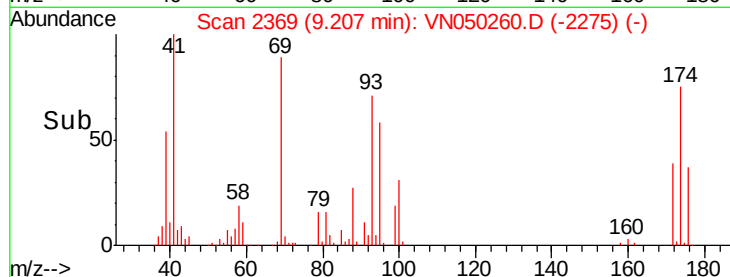
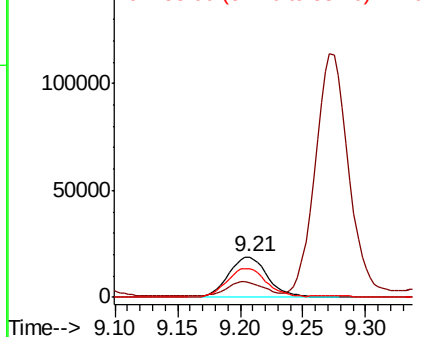


Abundance

Ion 88.00 (87.70 to 88.70): VN0

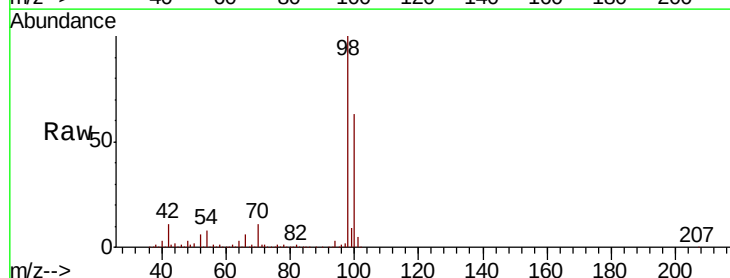
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 51.145 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

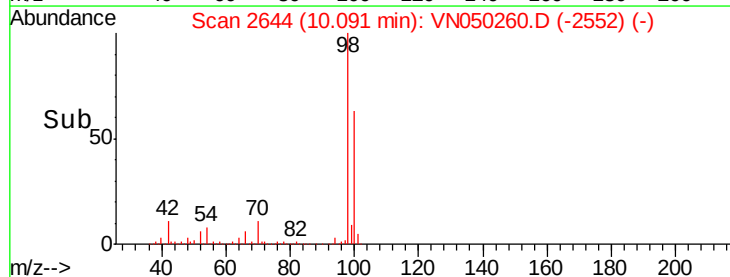
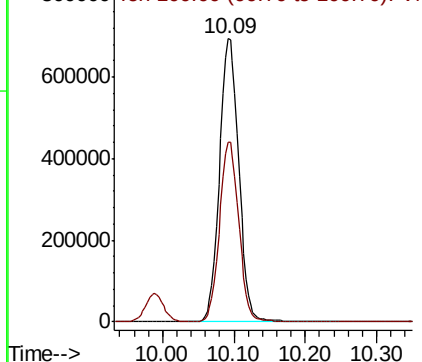
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.7	76.1

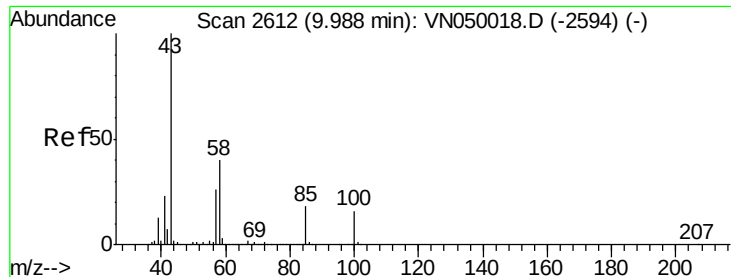


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





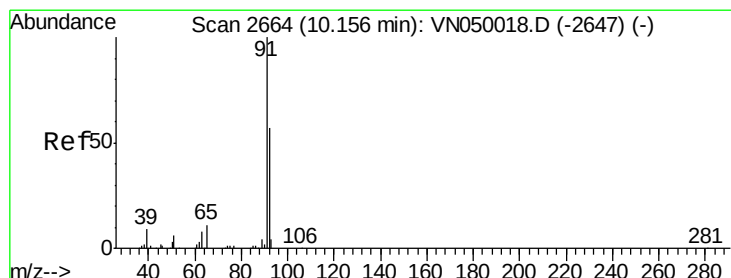
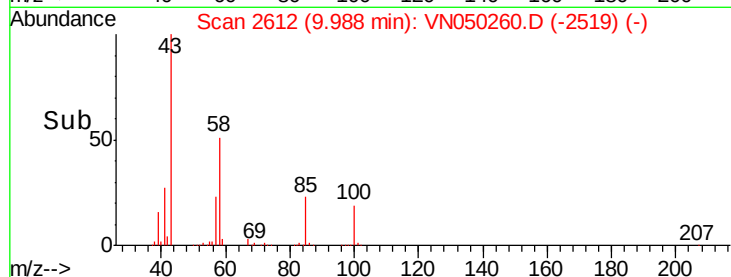
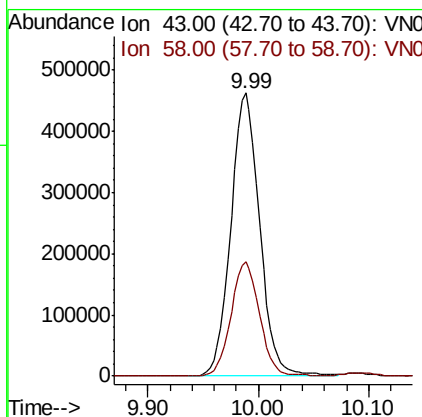
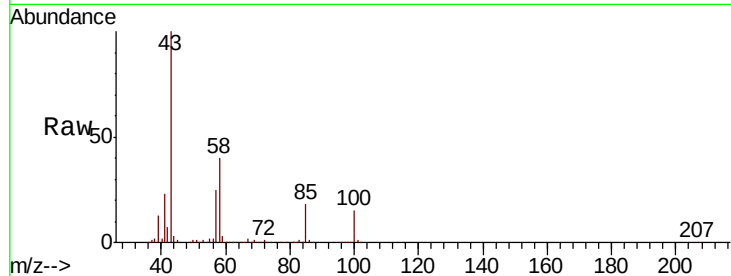
#51
4-Methyl-2-Pentanone
Concen: 127.864 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleID :
VN0802WBSD01

Tot Ion	43	Resp	835453
Ion Ratio	100	Lower	Upper
43	100		
58	40.1	31.9	47.9

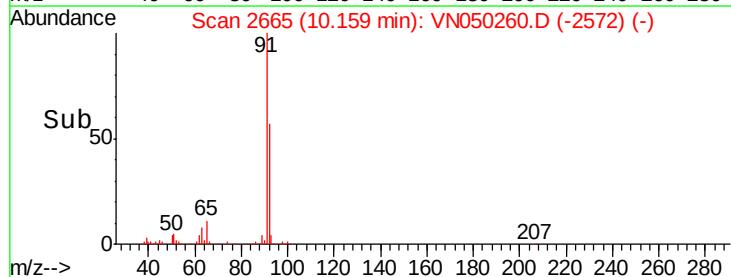
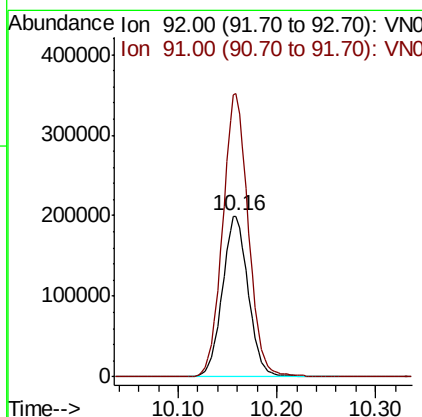
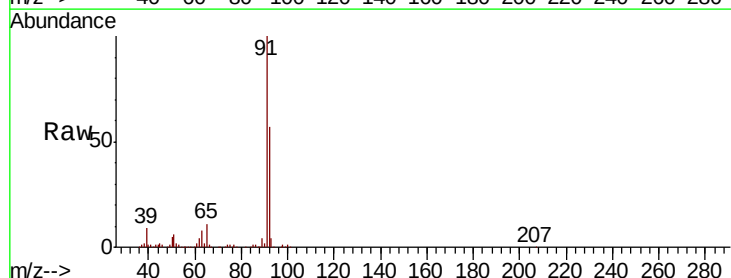
Manual Integrations
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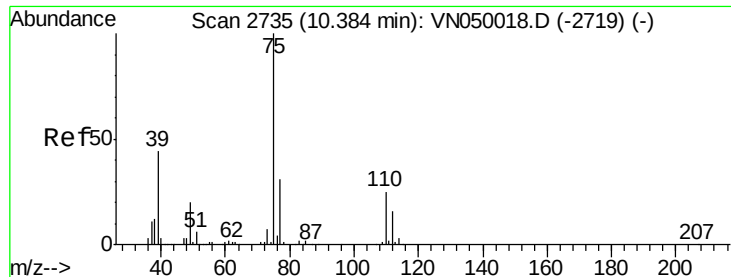
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#52
Toluene
Concen: 21.439 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	92	Resp	367109
Ion Ratio	100	Lower	Upper
92	100		
91	174.6	140.3	210.5





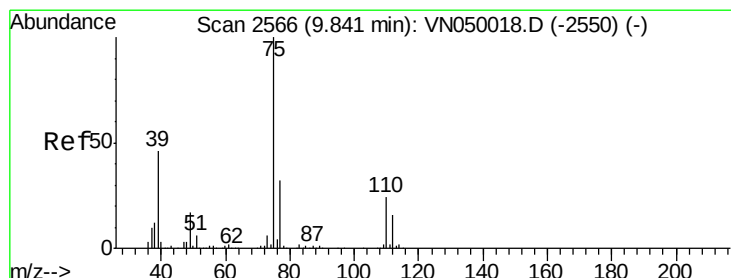
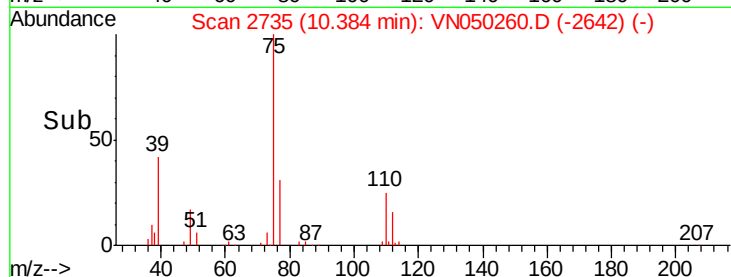
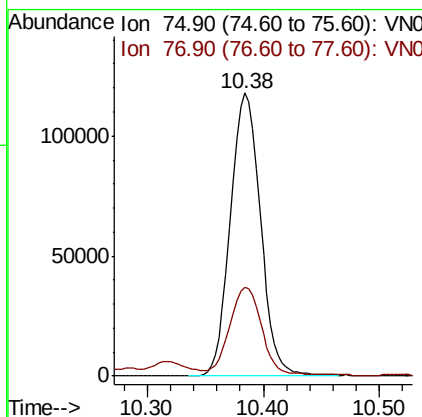
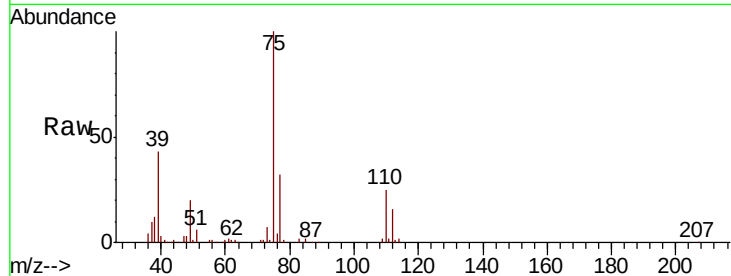
#53
t-1,3-Dichloropropene
Concen: 22.362 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3

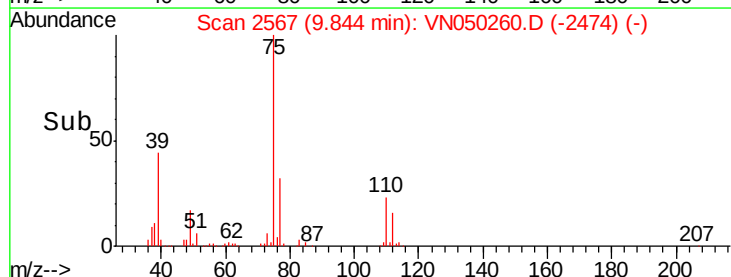
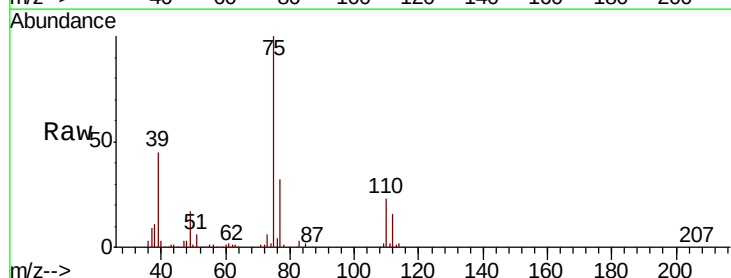
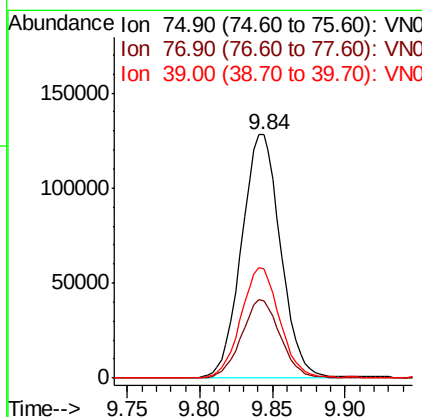
Manual Integrations
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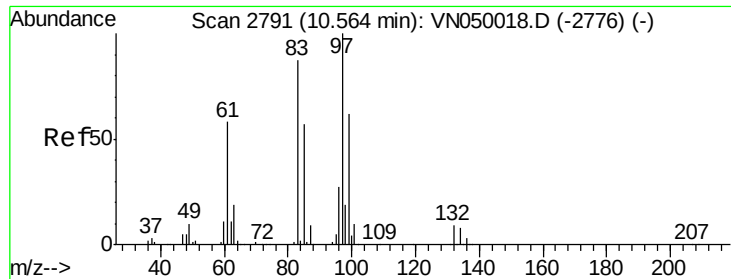
MMDadoda
8/3/2018 9:36:10 AM



#54
cis-1,3-Dichloropropene
Concen: 22.111 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3
39	44.5	36.6	55.0





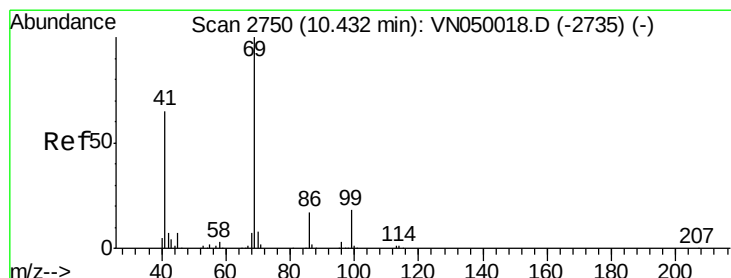
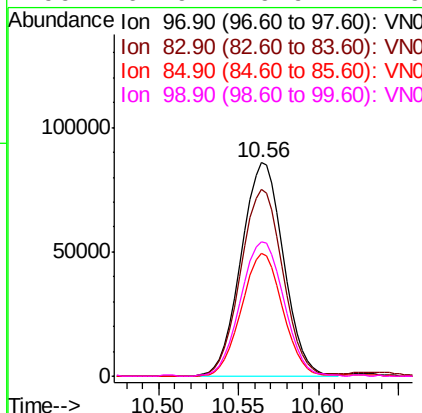
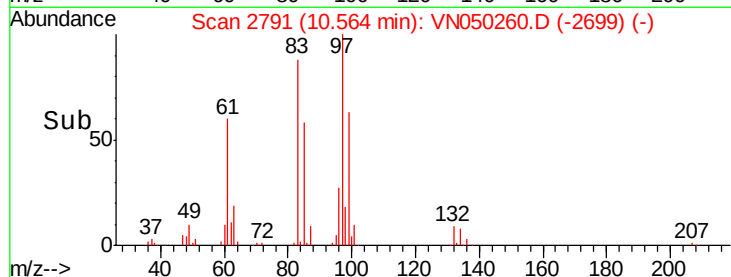
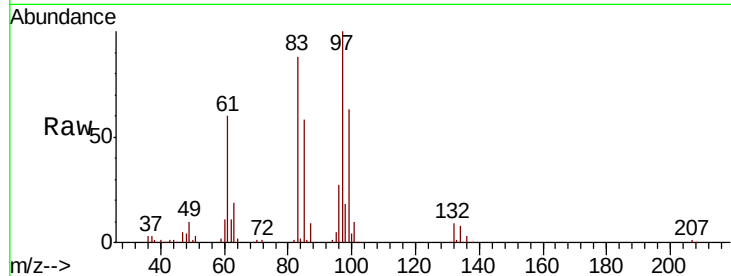
#55
 1,1,2-Trichloroethane
 Concen: 22.888 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		155456		
83	87.7	69.2	103.8		
85	57.6	44.0	66.0		
99	62.9	49.9	74.9		

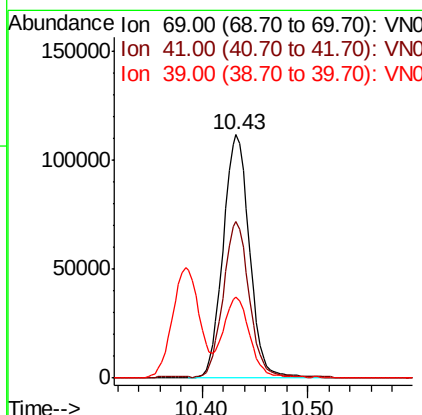
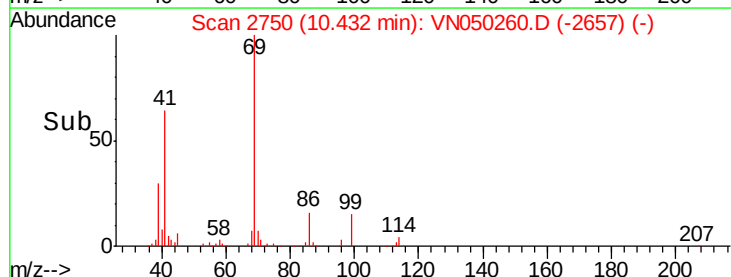
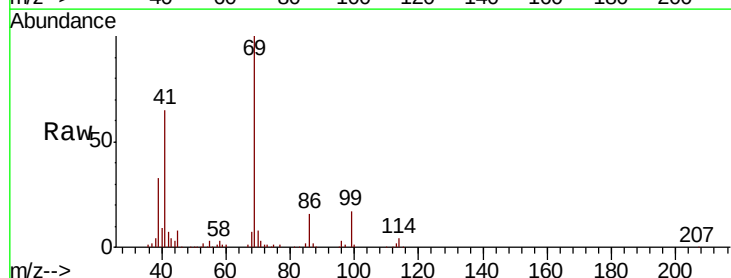
Manual Integrations
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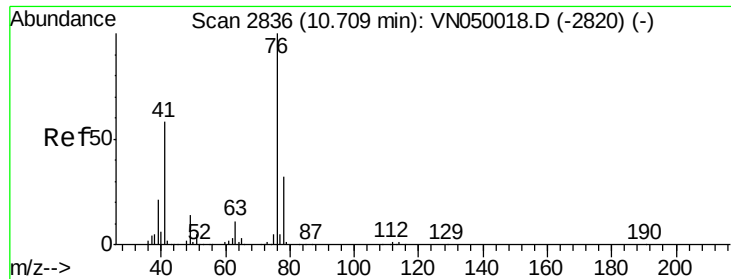
MMDadoda
 8/3/2018 9:36:10 AM



#56
 Ethyl methacrylate
 Concen: 22.268 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		194084		
41	63.5	51.0	76.4		
39	33.1	26.6	40.0		





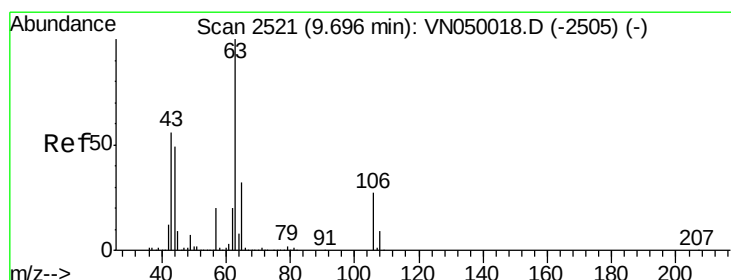
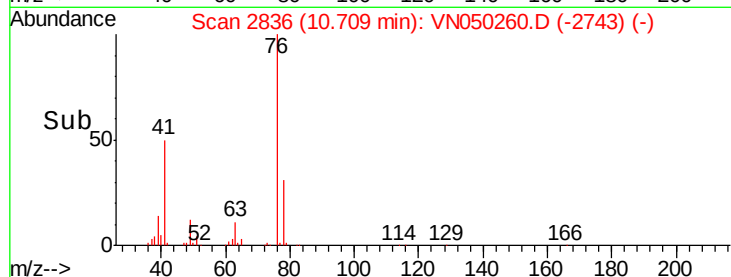
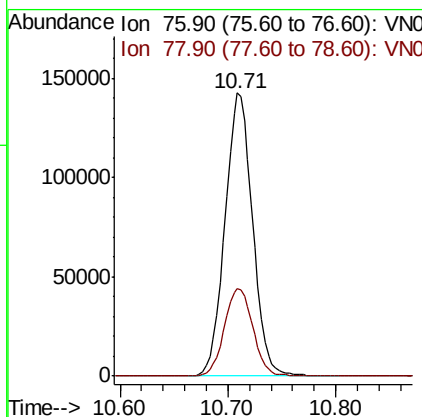
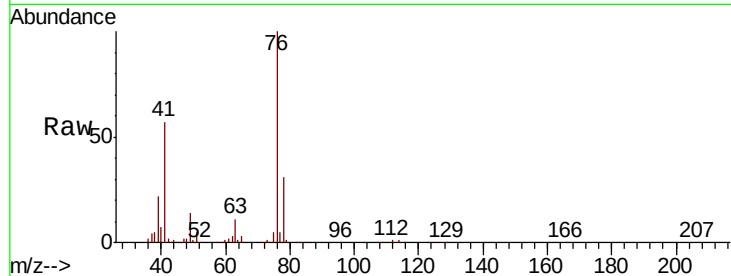
#57
 1,3-Dichloropropane
 Concen: 22.936 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion: 76 Resp: 253676
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

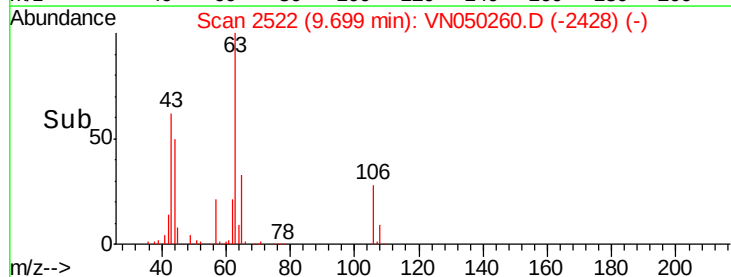
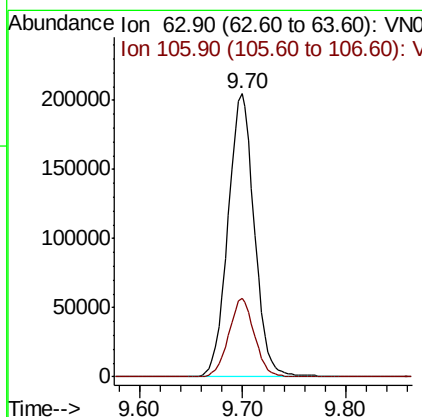
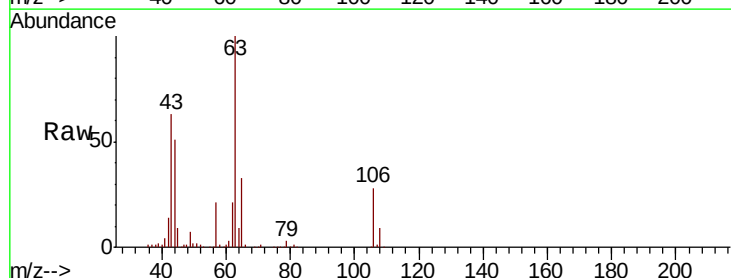
Manual Integrations
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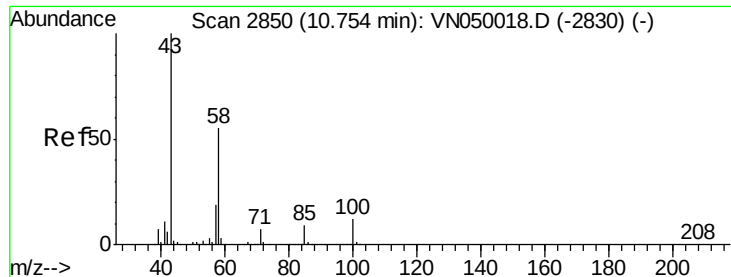
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 8/3/2018 9:36:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.544 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Tgt Ion: 63 Resp: 365006
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





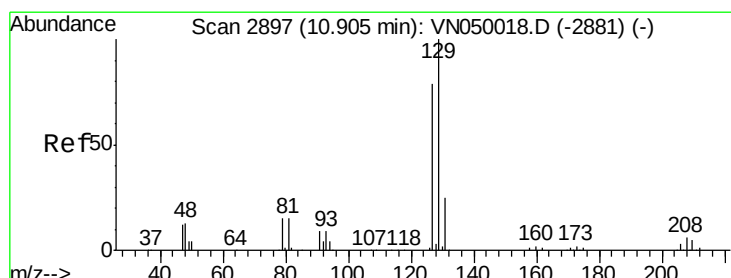
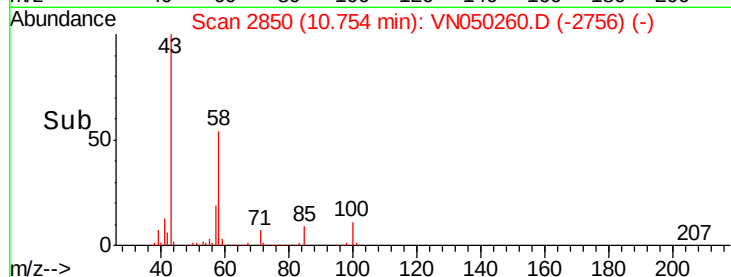
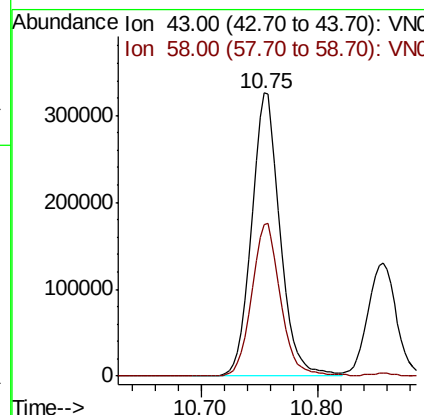
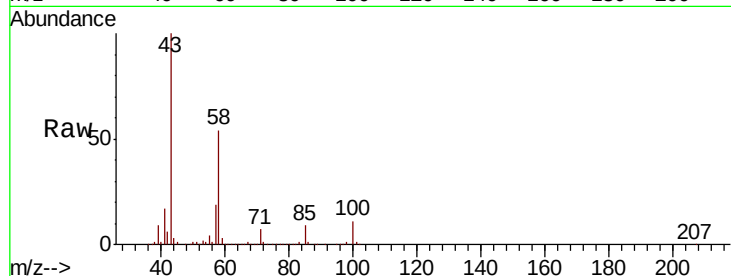
#59
2-Hexanone
Concen: 118.883 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	43	Resp	557481
Ion Ratio	100	Lower	Upper
43	100		
58	54.7	27.6	82.7

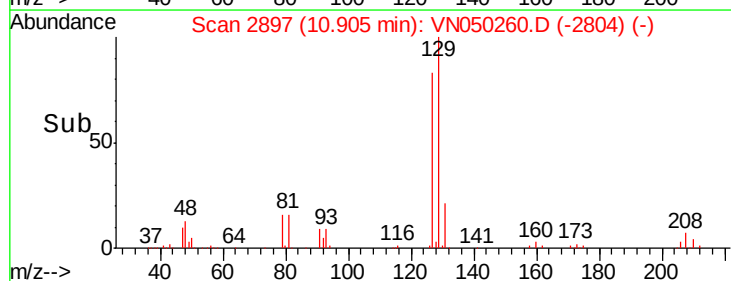
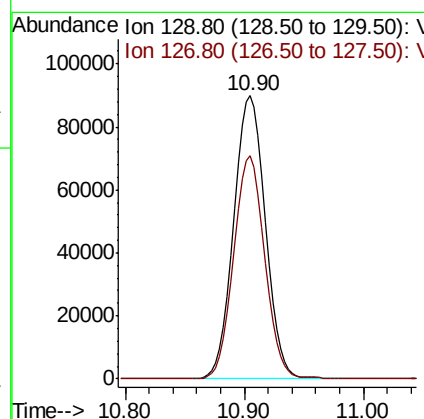
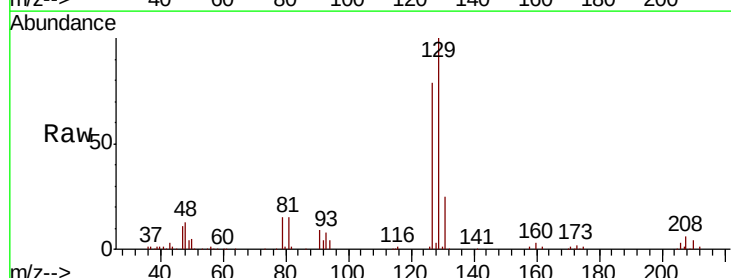
Manual Integrations
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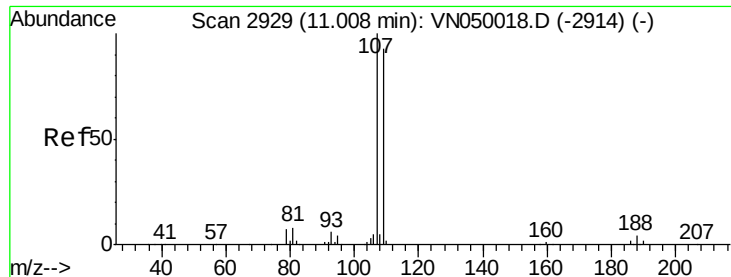
MMDadoda
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#60
Dibromochloromethane
Concen: 22.115 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	129	Resp	166303
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.0	113.9





#61

1,2-Dibromoethane

Concen: 22.203 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 107 Resp: 149625

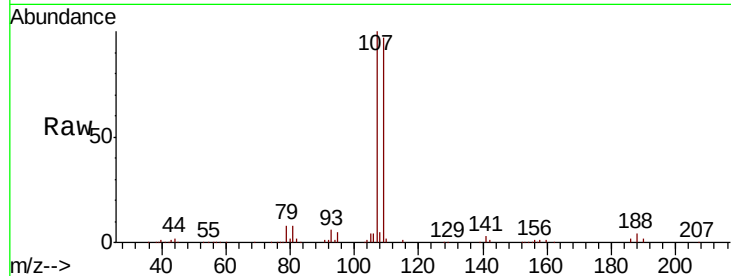
Ion Ratio Lower Upper

107 100

109 96.5 74.6 112.0

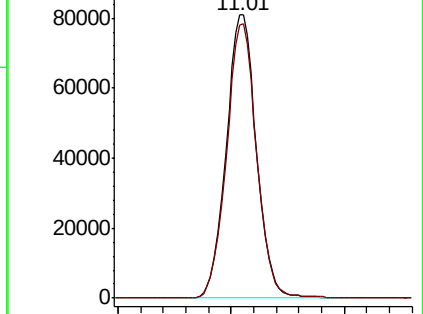
Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:10 AM

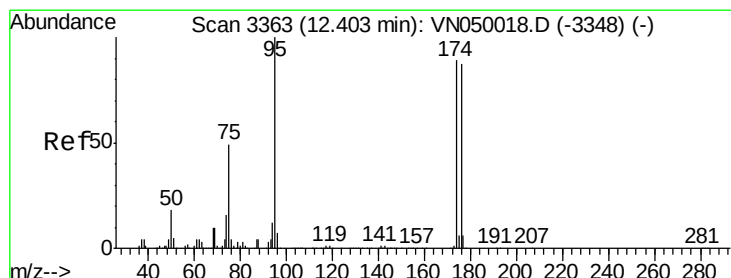
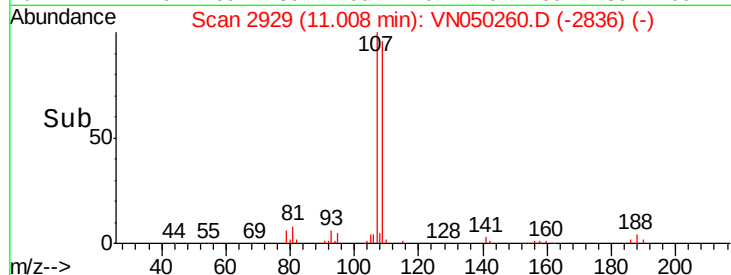


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.319 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

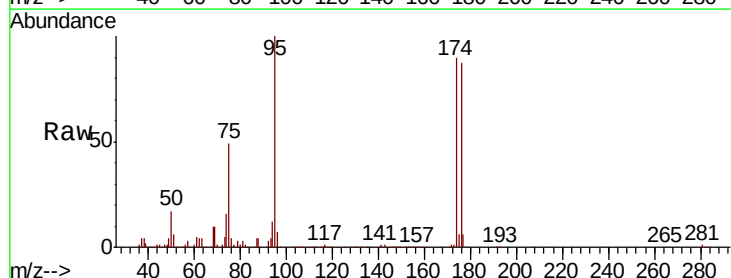
Tgt Ion: 95 Resp: 429194

Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.2

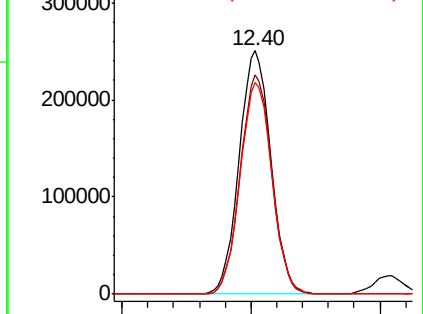
176 87.1 0.0 173.4



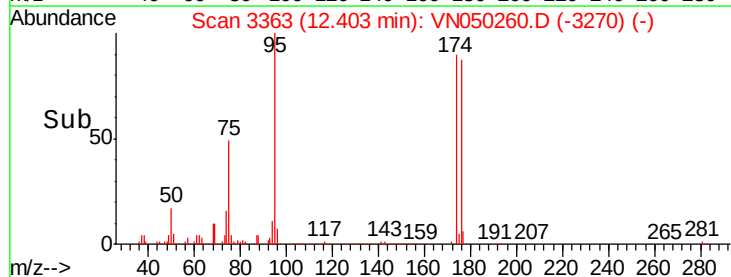
Abundance Ion 94.90 (94.60 to 95.60): V

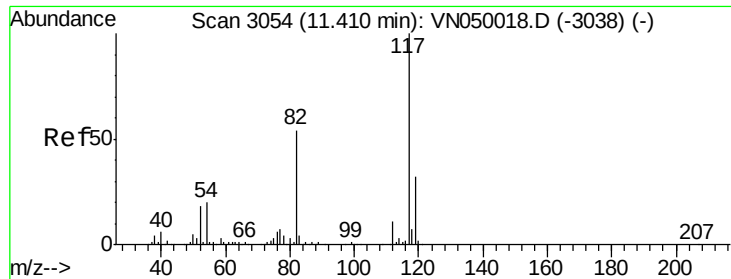
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.40 12.50





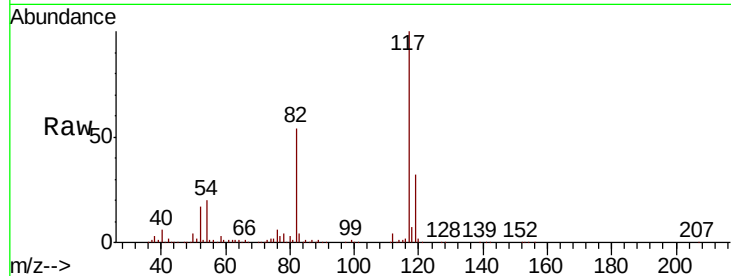
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.7	65.5
119	32.1	26.1	39.1

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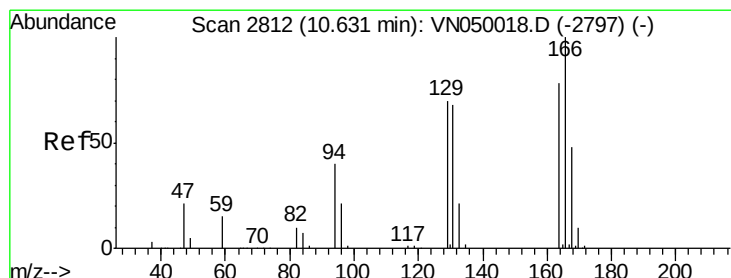
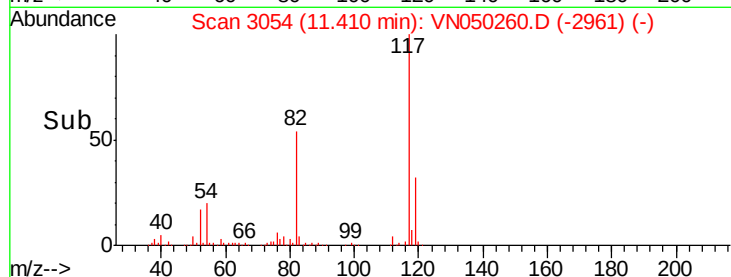
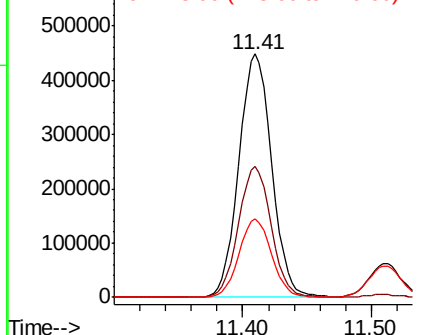


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.560 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	102.1	153.1
129	90.6	73.2	109.8
131	87.6	70.6	106.0

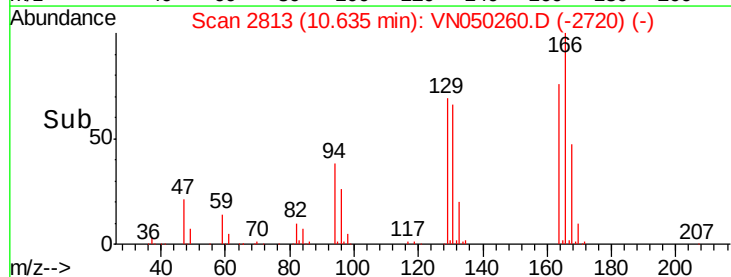
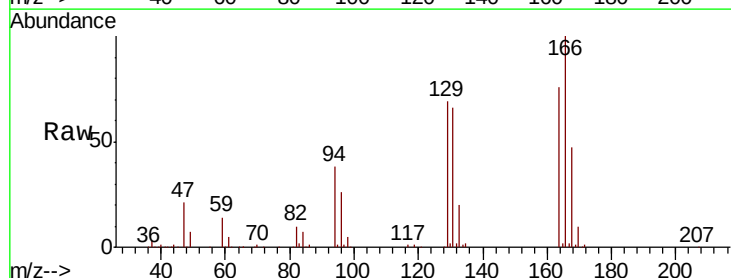
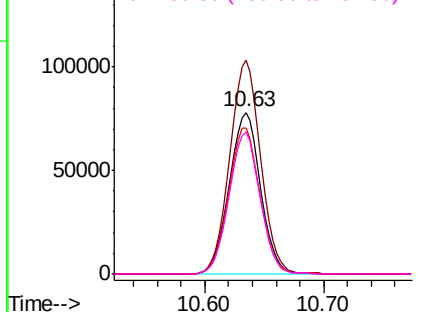
Abundance

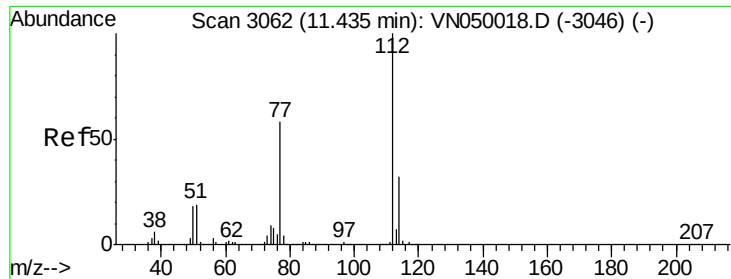
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.266 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0802WBSD01

Tot Ion:112 Resp: 406810

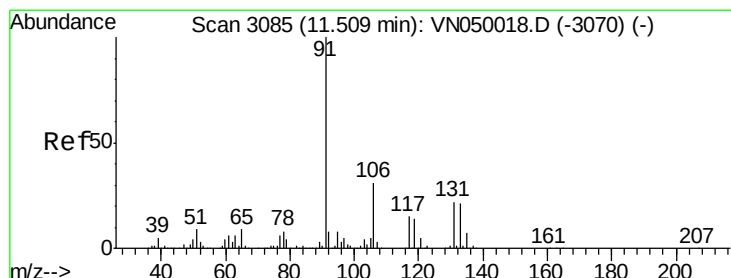
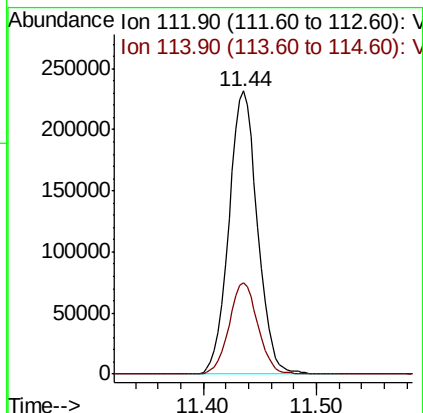
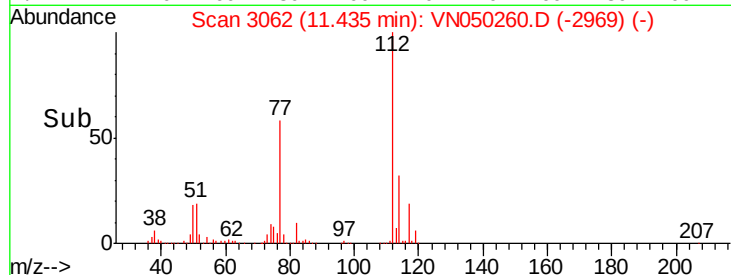
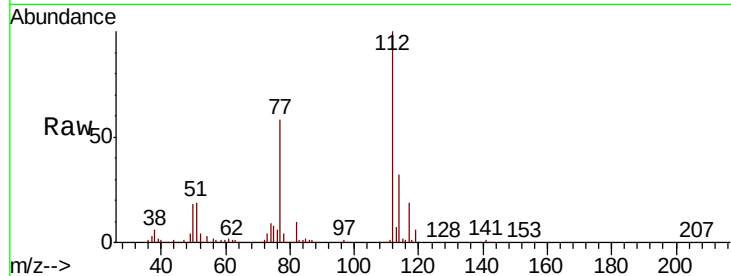
Ion Ratio Lower Upper

112 100

114 32.5 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.625 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

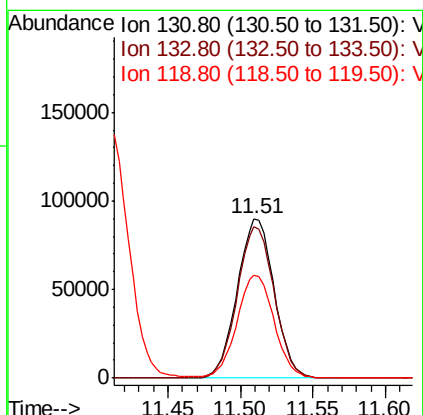
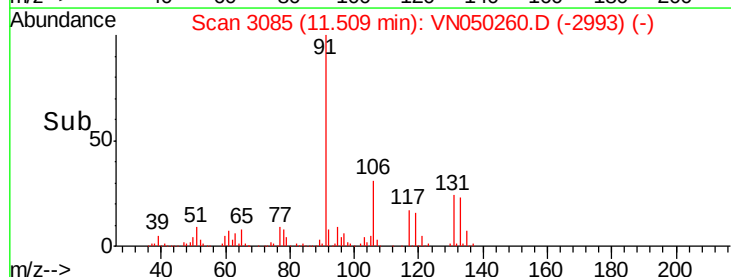
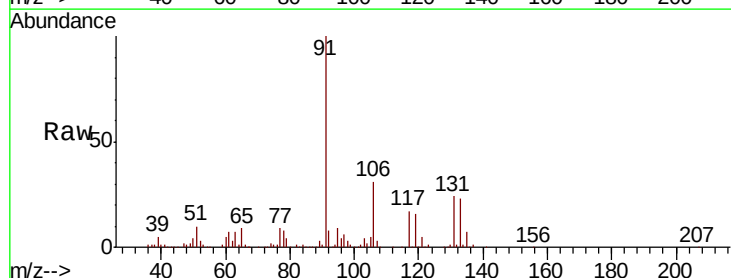
Tgt Ion:131 Resp: 159076

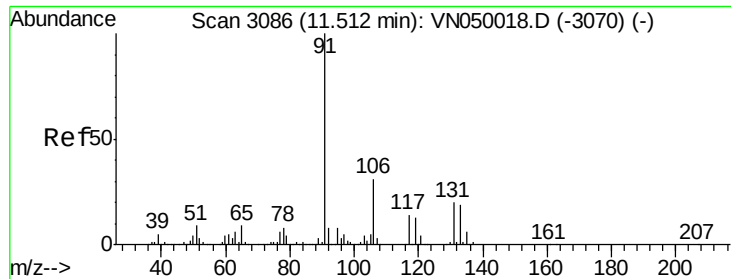
Ion Ratio Lower Upper

131 100

133 95.1 47.3 141.9

119 65.0 32.9 98.7





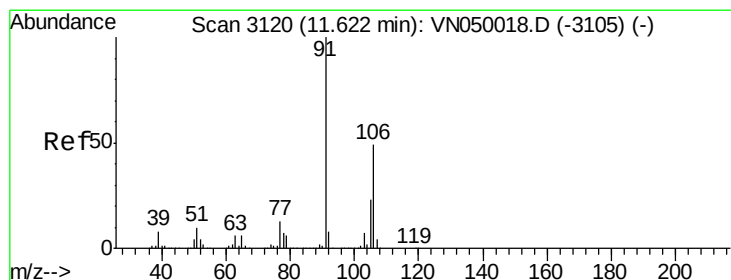
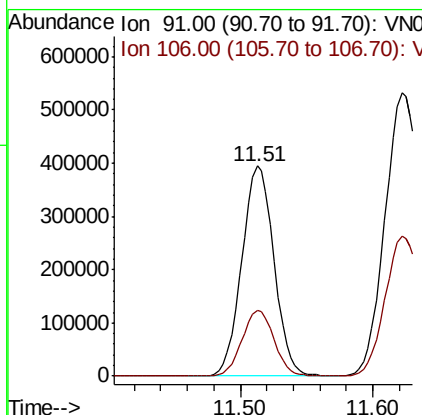
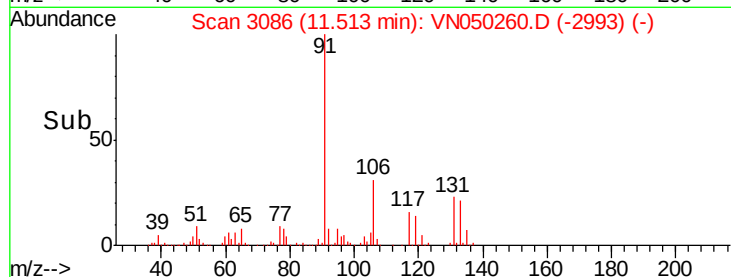
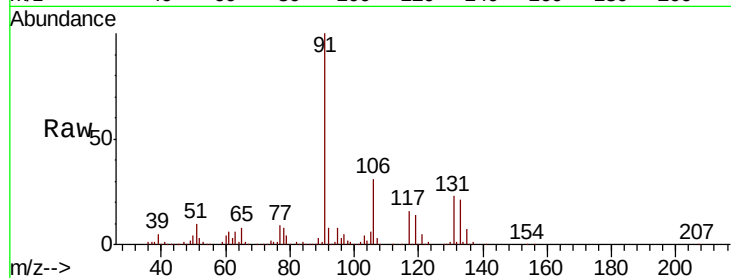
#67
Ethyl Benzene
Concen: 20.649 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion: 91 Resp: 665836
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

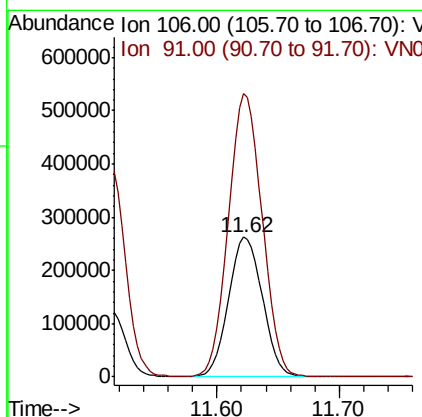
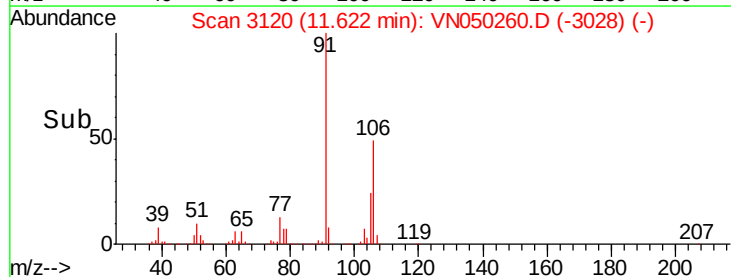
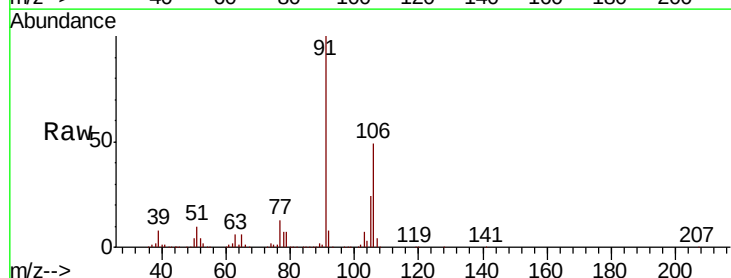
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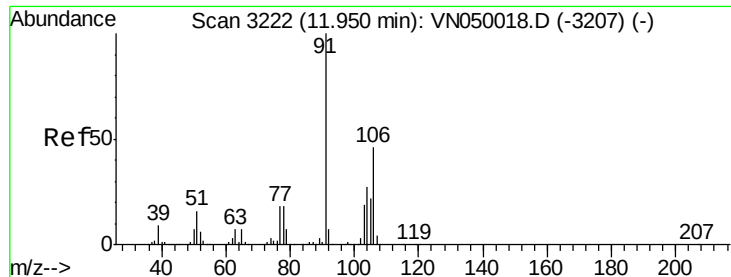
MMDadoda
8/3/2018 9:36:10 AM



#68
m/p-Xylenes
Concen: 41.655 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion: 106 Resp: 508050
Ion Ratio Lower Upper
106 100
91 201.6 162.2 243.2





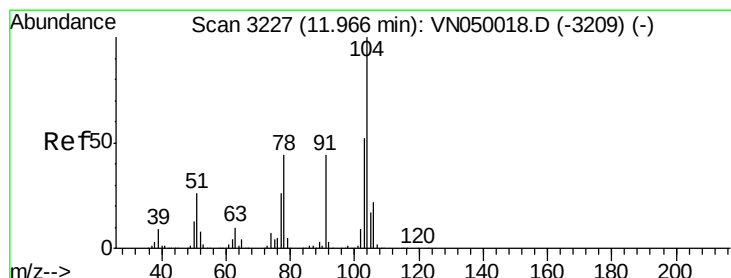
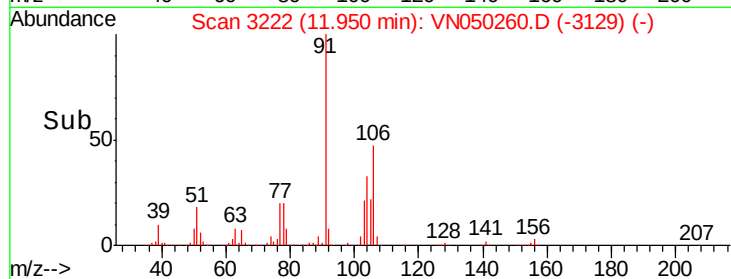
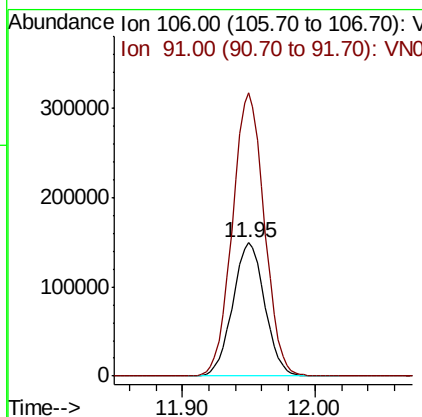
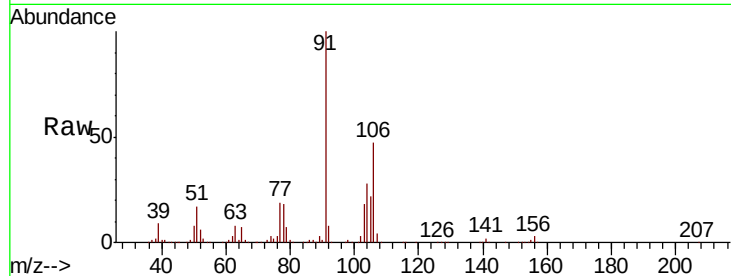
#69
o-Xylene
Concen: 21.554 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion:106 Resp: 250614
Ion Ratio Lower Upper
106 100
91 211.7 107.7 323.1

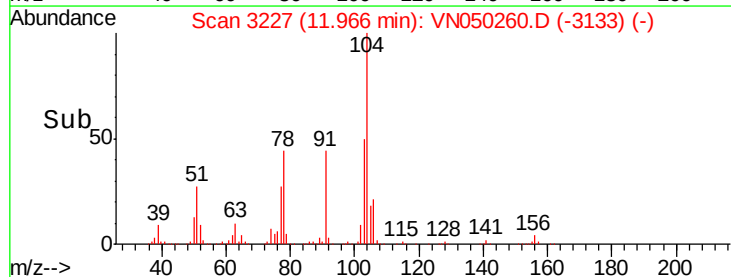
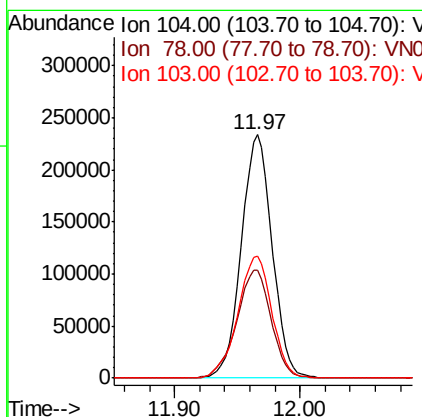
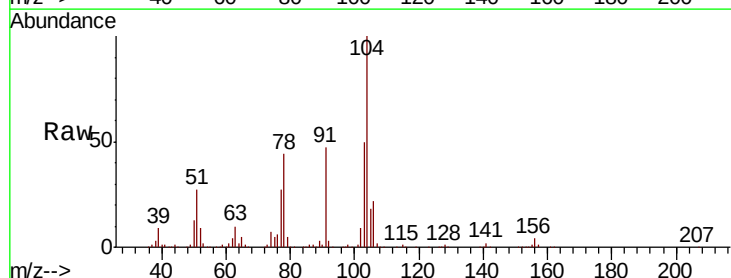
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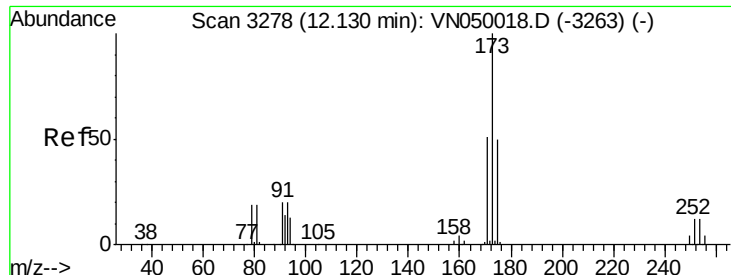
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#70
Styrene
Concen: 19.920 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion:104 Resp: 400227
Ion Ratio Lower Upper
104 100
78 49.3 39.3 58.9
103 55.2 45.0 67.6





#71

Bromoform

Concen: 21.298 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion:173 Resp: 119493

Ion Ratio Lower Upper

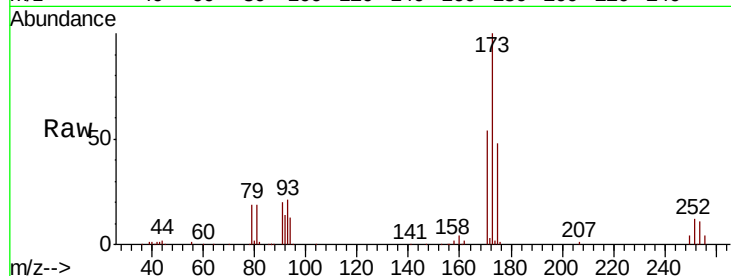
173 100

175 48.4 24.1 72.2

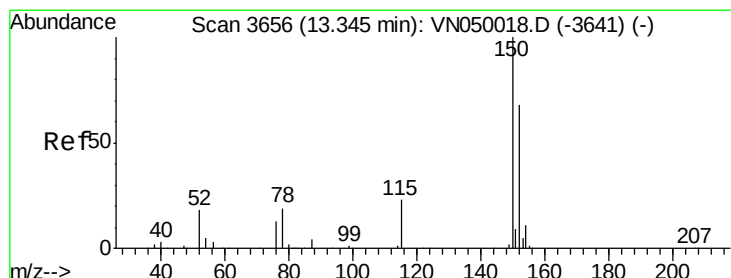
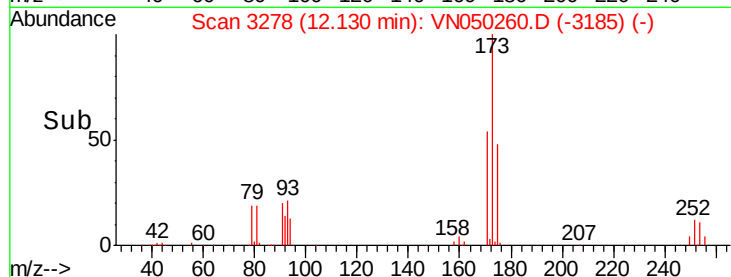
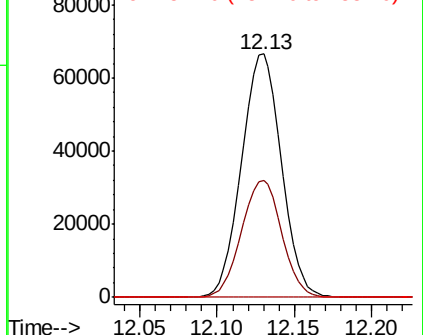
254 0.0 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

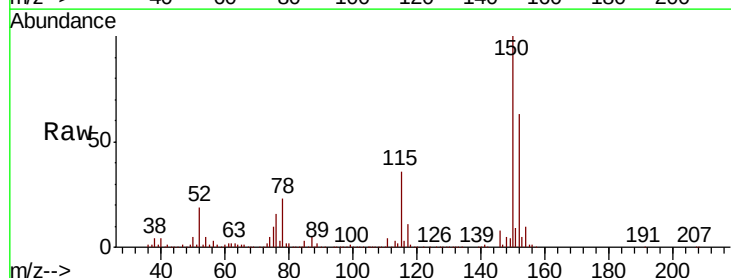
Tgt Ion:152 Resp: 386680

Ion Ratio Lower Upper

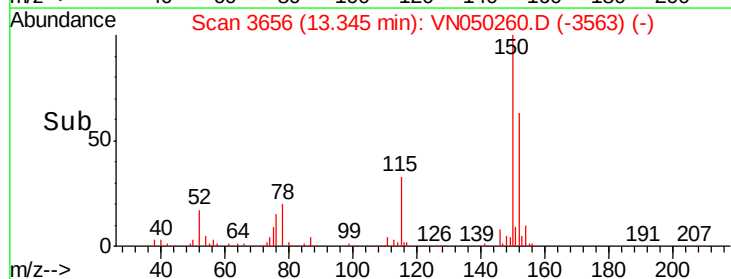
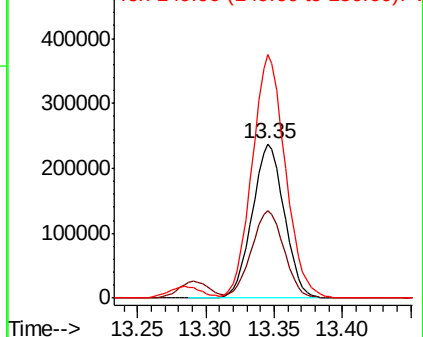
152 100

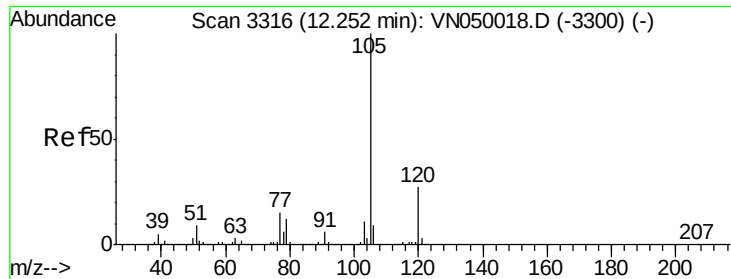
115 58.0 27.8 83.3

150 164.2 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





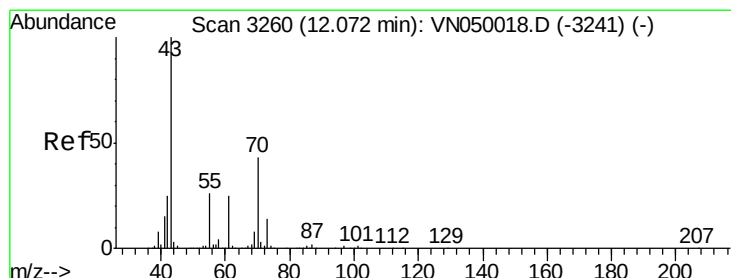
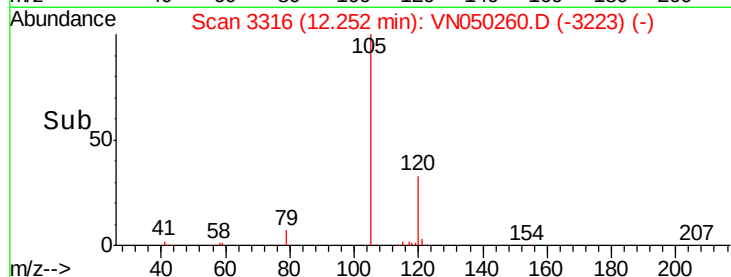
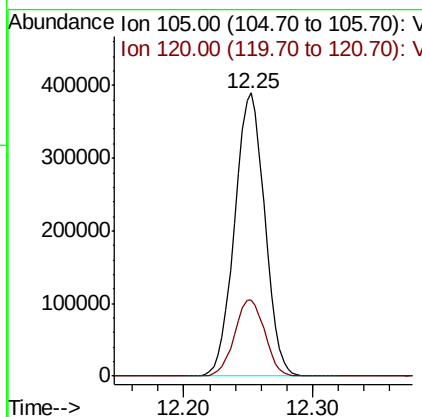
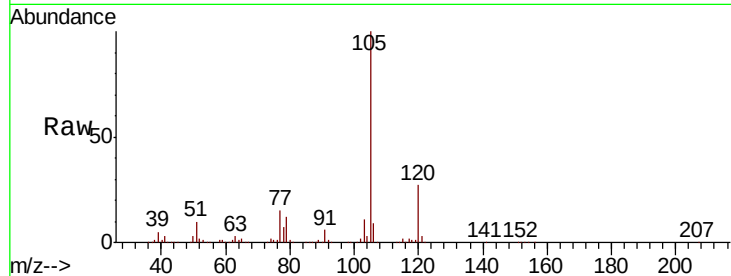
#73
Isopropylbenzene
Concen: 21.083 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.8

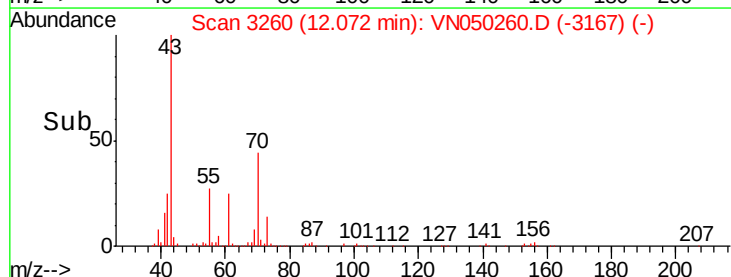
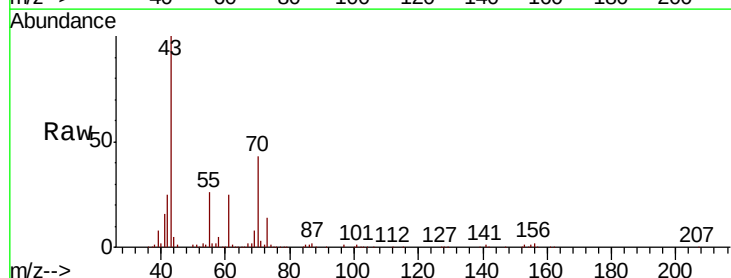
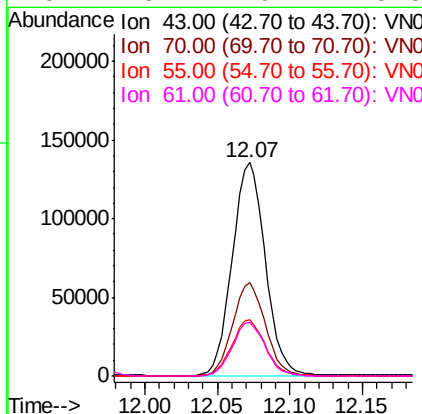
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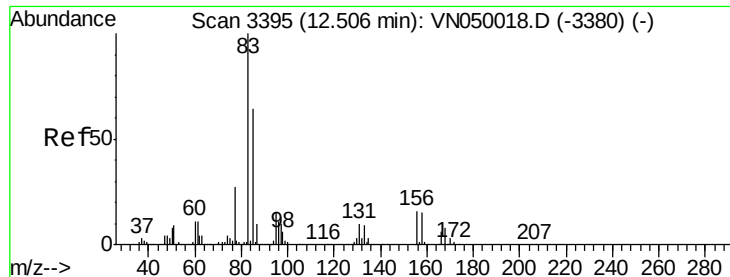
MMDadoda
8/3/2018 9:36:10 AM



#74
N-ethyl acetate
Concen: 23.307 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.6	34.4	51.6
55	26.9	20.8	31.2
61	25.1	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.957 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

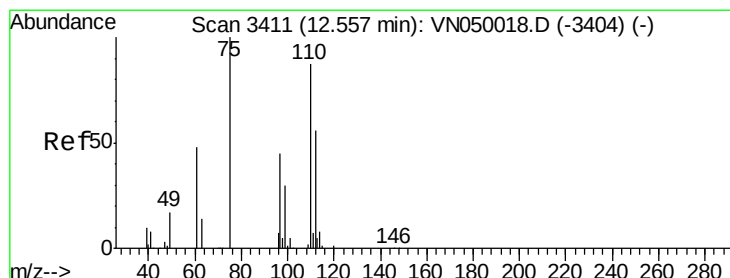
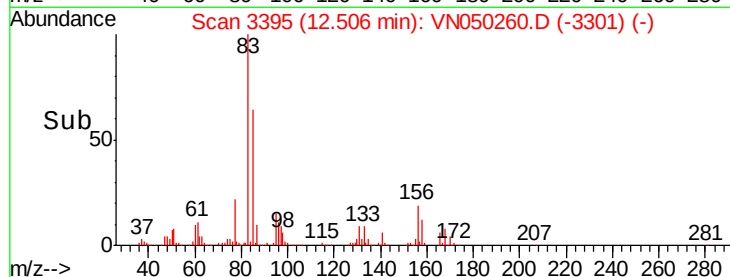
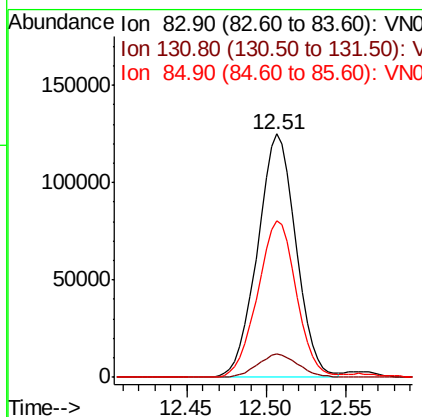
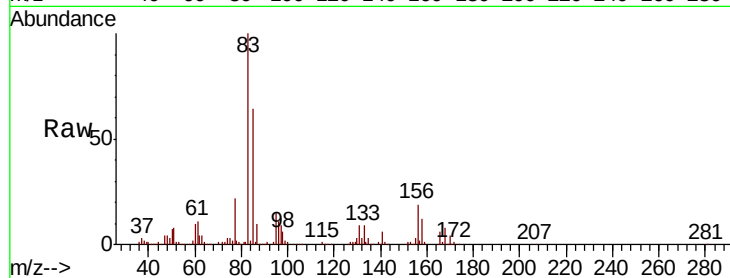
ClientSampleId :

VN0802WBSD01

Tot Ion:	83	Resp:	206997
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.9	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 23.171 ug/l m

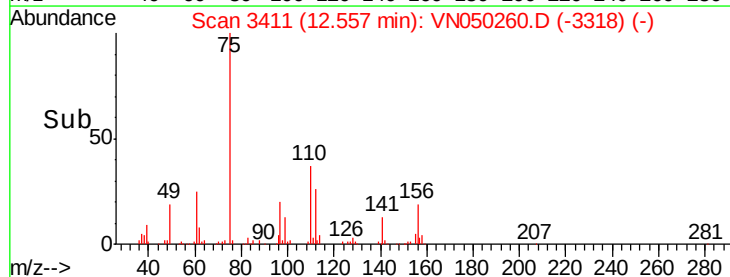
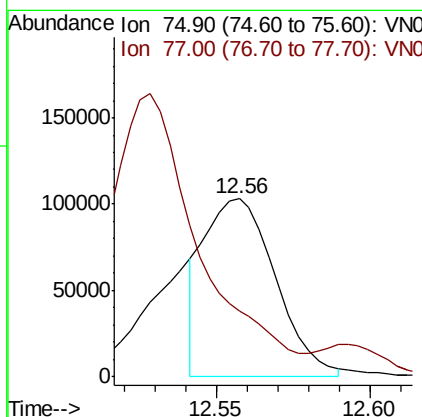
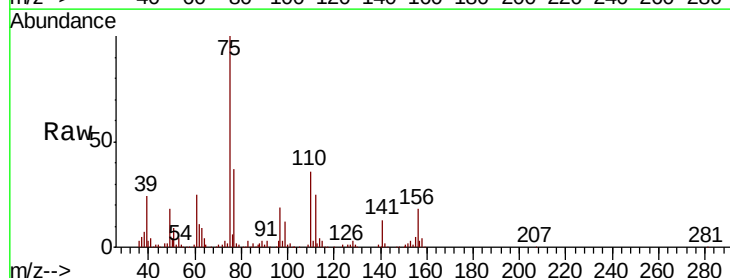
RT: 12.56 min Scan# 3411

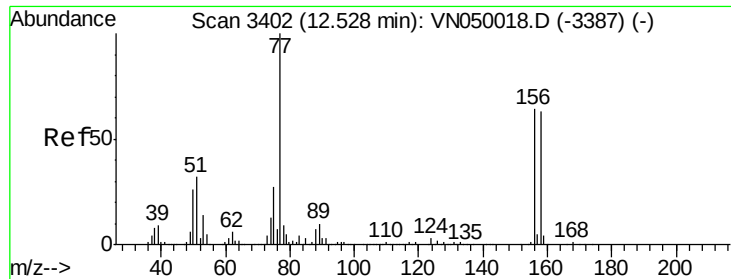
Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion:	75	Resp:	166510
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 33.818 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

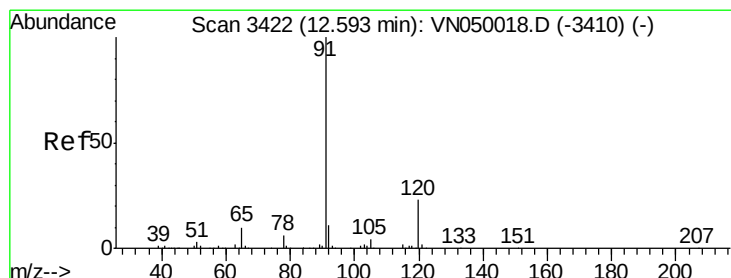
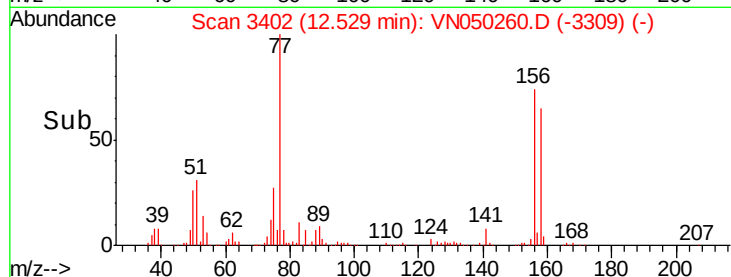
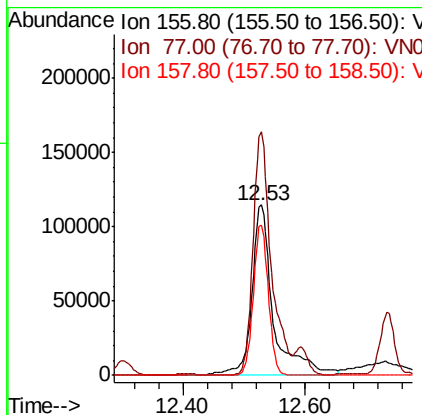
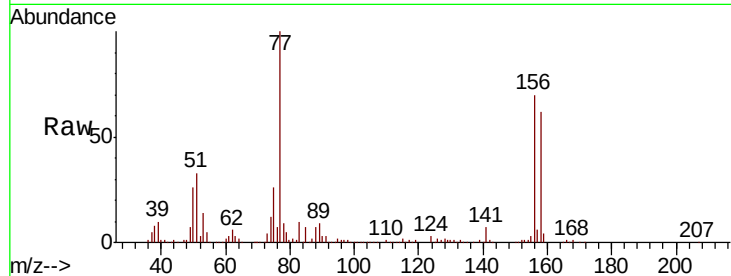
ClientSampleId :

VN0802WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		281080		
77	119.4	91.7	275.1		
158	60.5	48.9	146.6		

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#78

n-propylbenzene

Concen: 21.808 ug/l

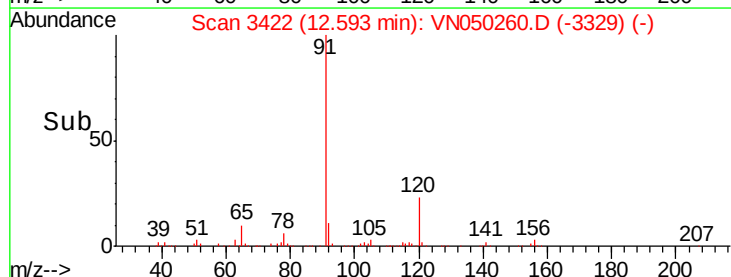
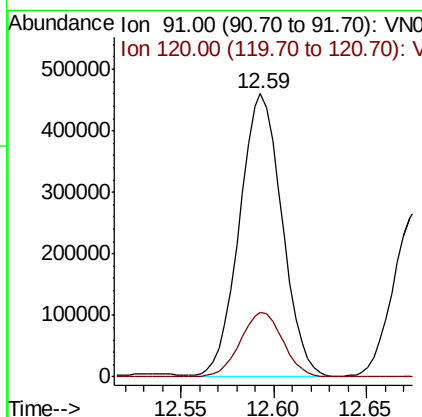
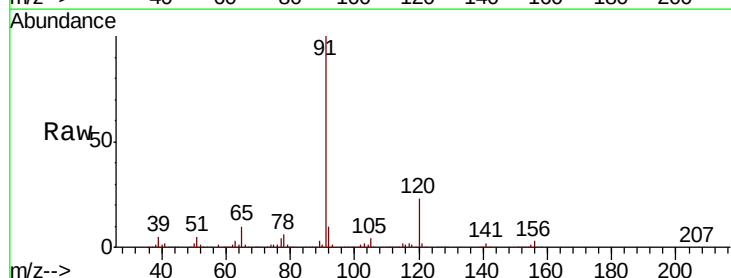
RT: 12.59 min Scan# 3422

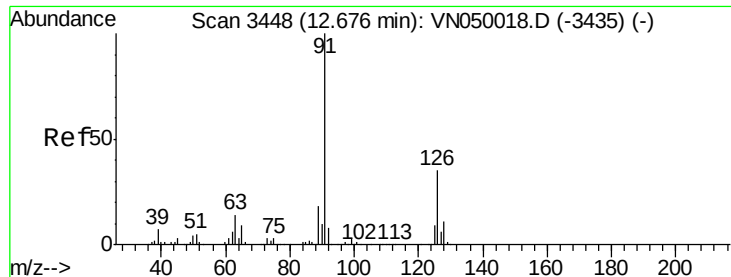
Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		730998		
120	23.0	11.6	34.7		





#79

2-Chlorotoluene

Concen: 21.611 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0802WBSD01

Tot Ion: 91 Resp: 449000

Ion Ratio Lower Upper

91 100

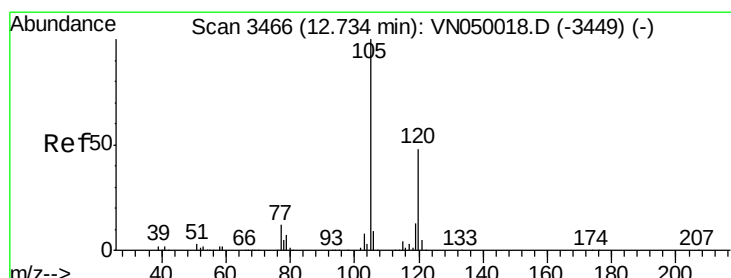
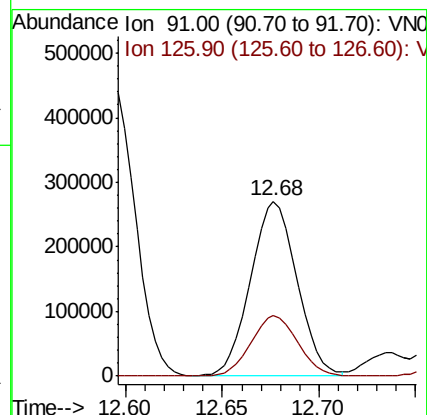
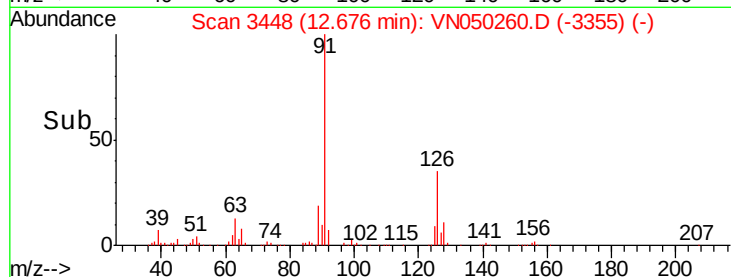
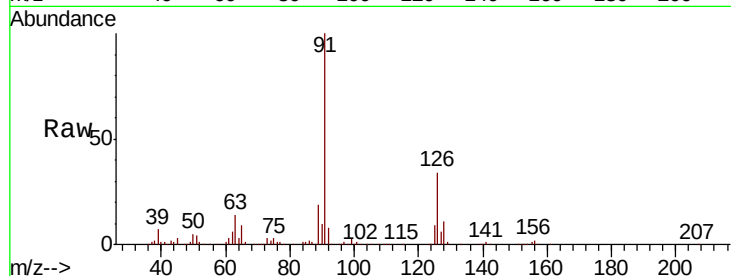
126 35.0 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.511 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050260.D

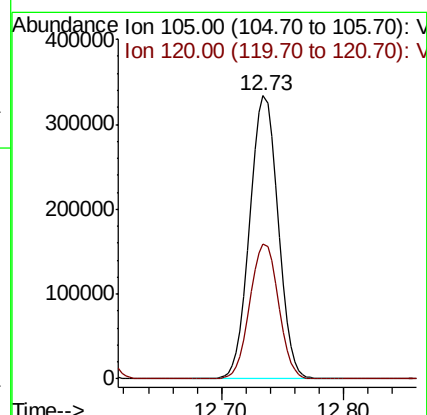
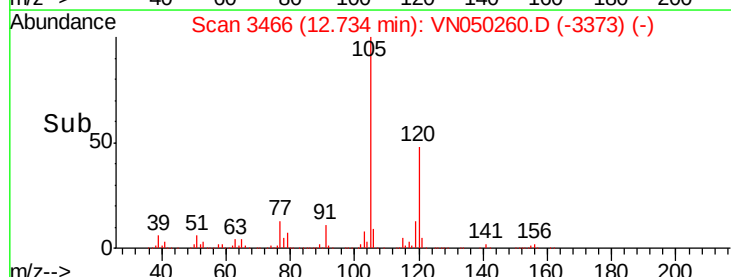
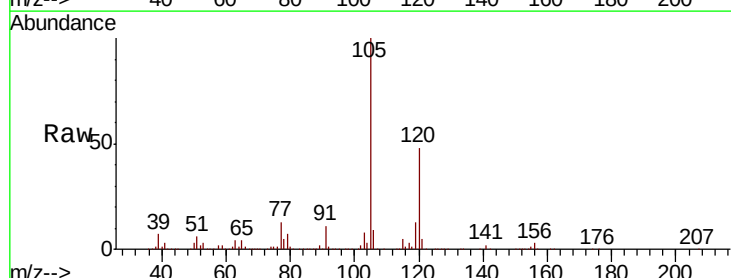
Acq: 2 Aug 2018 13:39

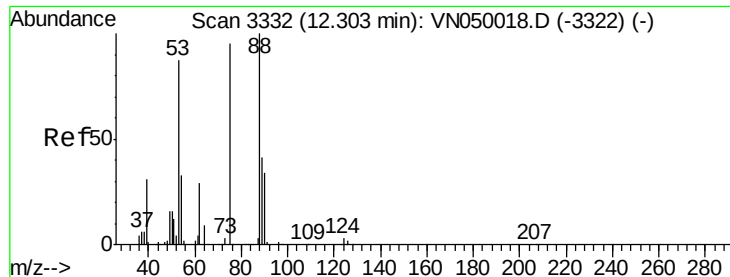
Tgt Ion: 105 Resp: 531013

Ion Ratio Lower Upper

105 100

120 48.3 24.4 73.2





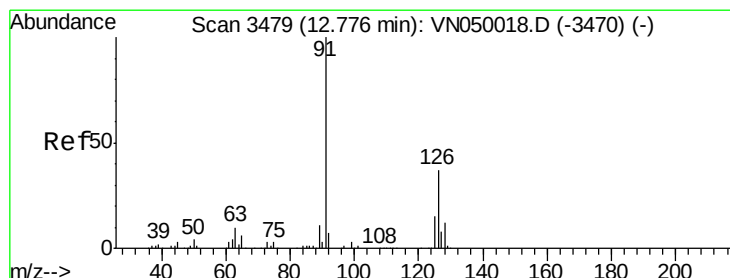
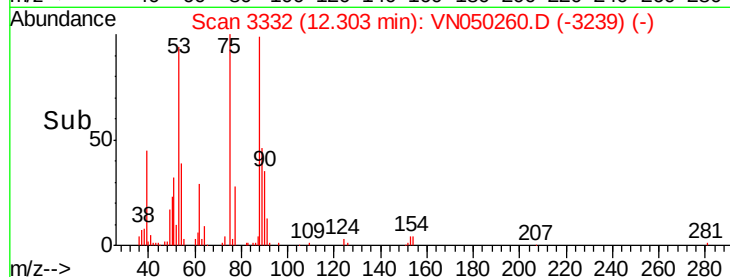
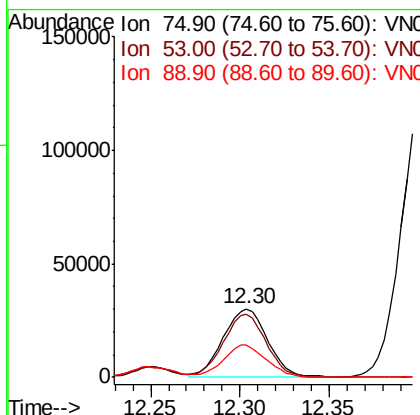
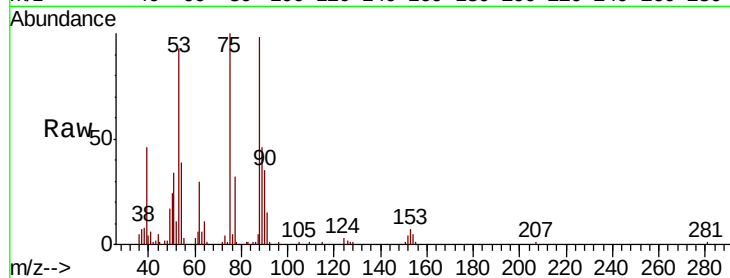
#81
trans-1,4-Dichloro-2-butene
Concen: 23.093 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	73.5	110.3
89	46.1	36.0	54.0

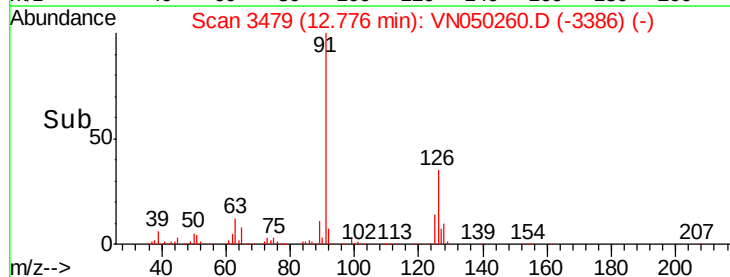
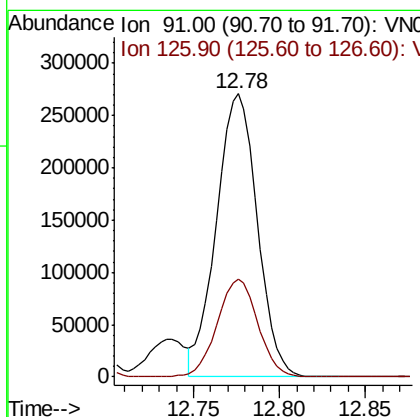
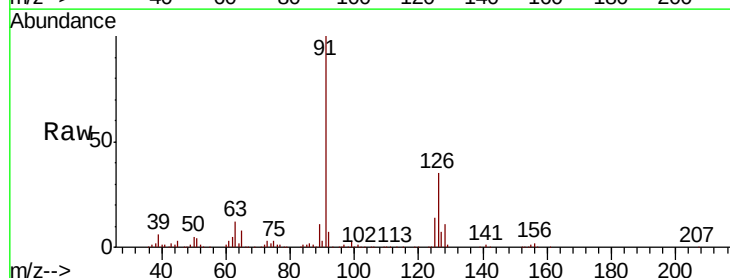
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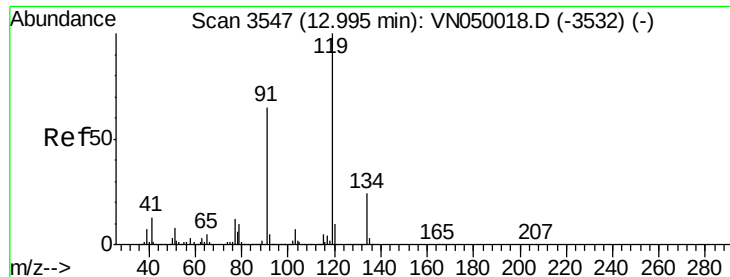
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.706 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	51.0





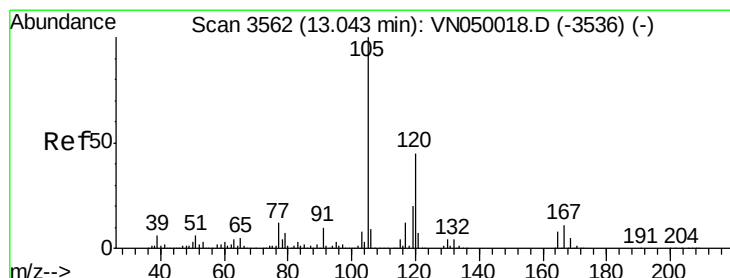
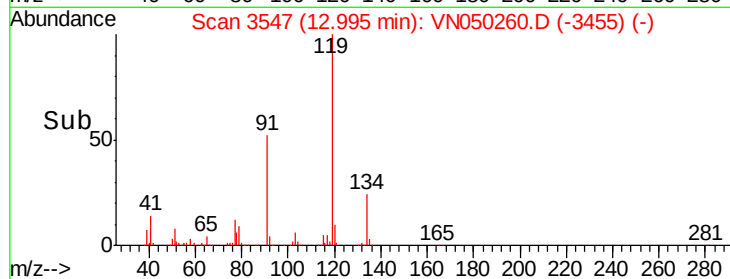
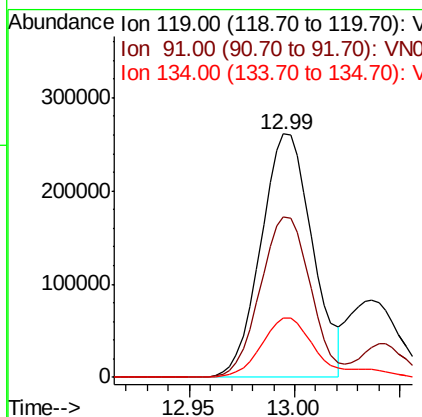
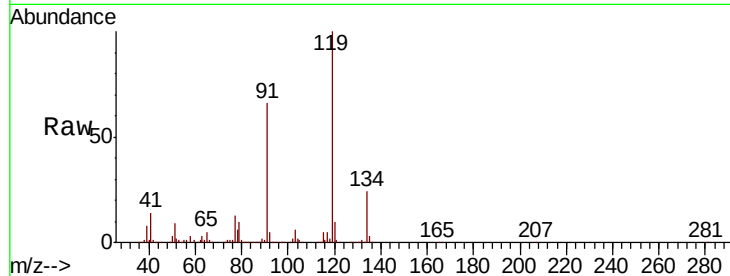
#83
 tert-Butylbenzene
 Concen: 21.580 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.1	96.3
134	26.8	13.2	39.5

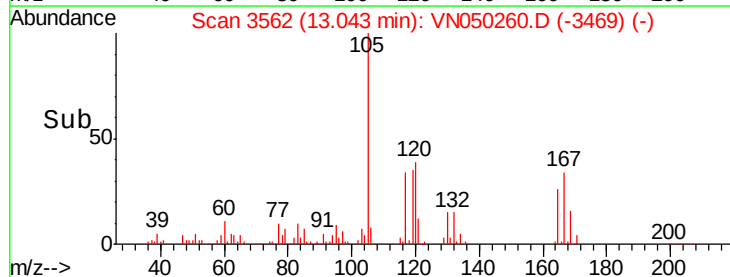
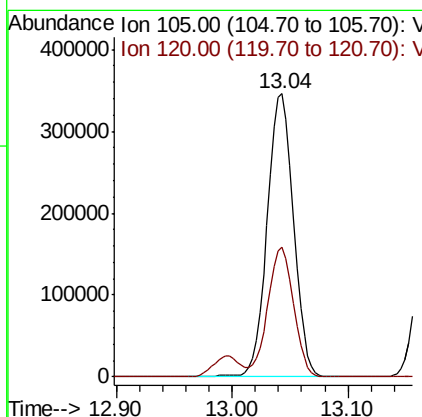
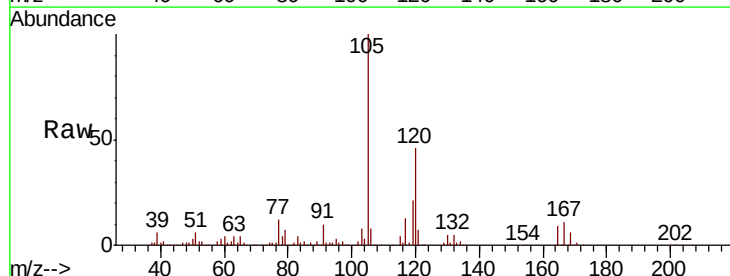
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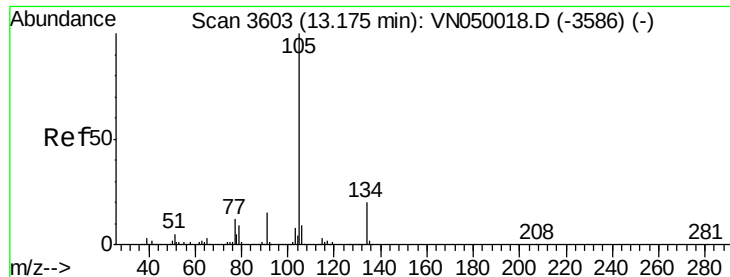
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.839 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.531 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion:105 Resp: 592242

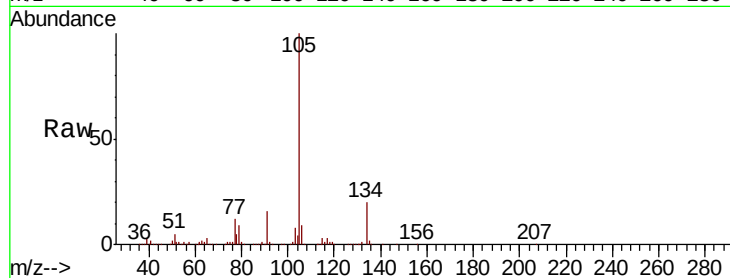
Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

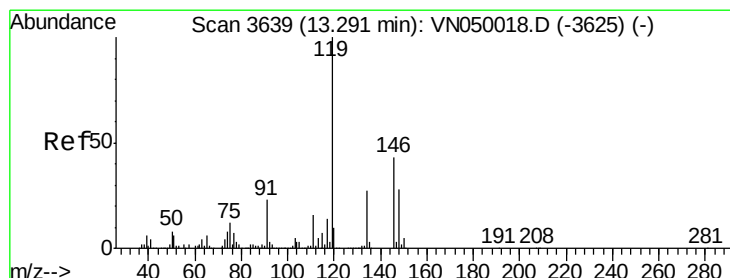
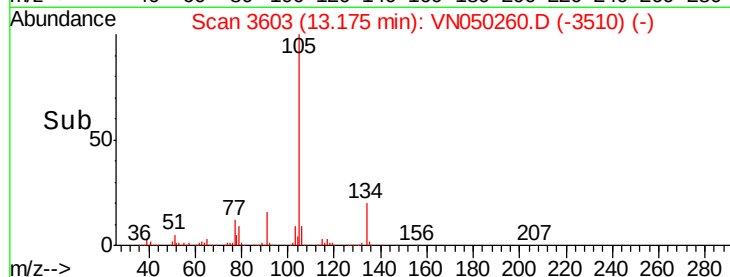
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.845 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

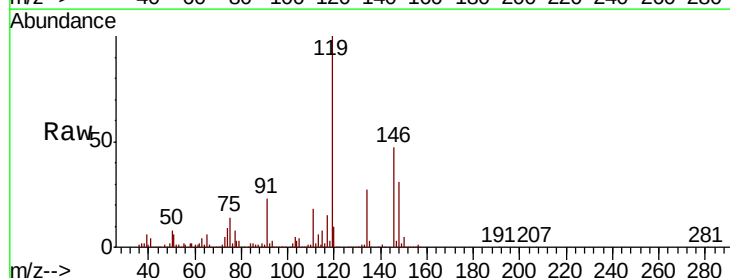
Tgt Ion:119 Resp: 506316

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

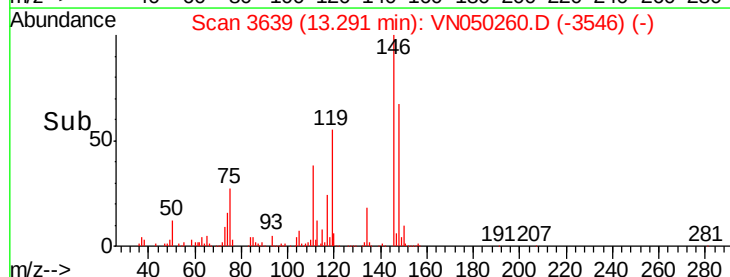
300000

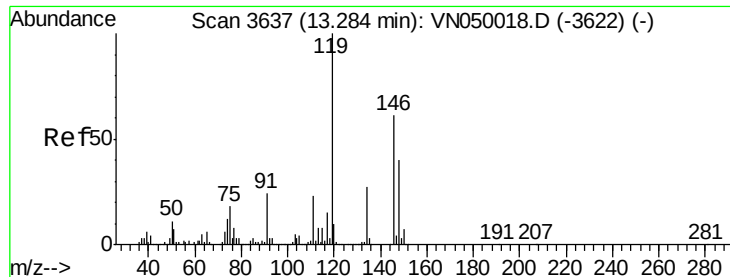
200000

100000

0

Time-->





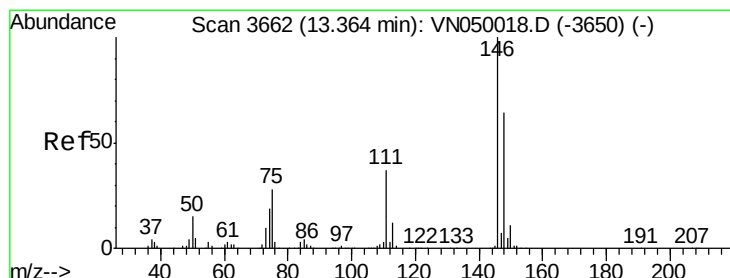
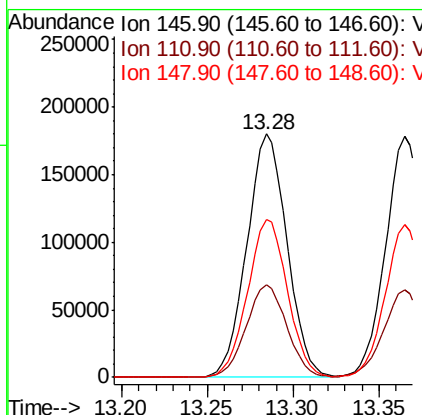
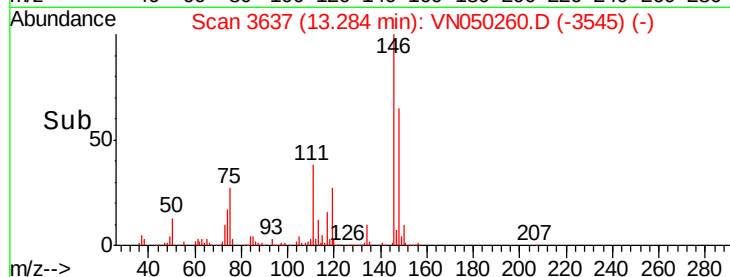
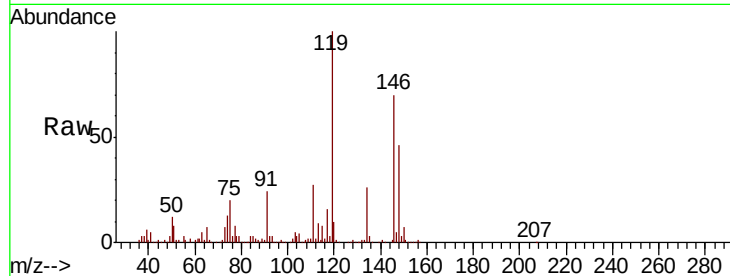
#87
 1,3-Dichlorobenzene
 Concen: 20.697 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion:	146	Resp:	291619
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.8	56.4
148	64.6	31.9	95.9

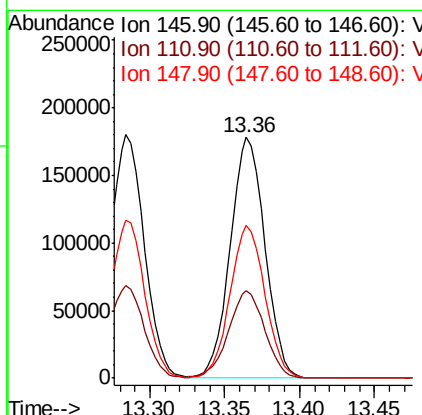
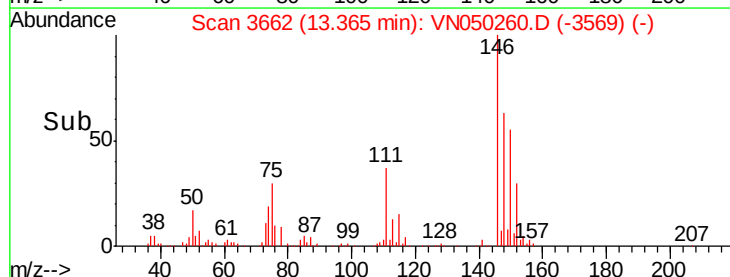
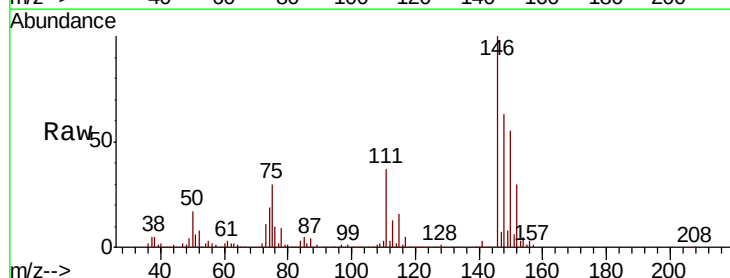
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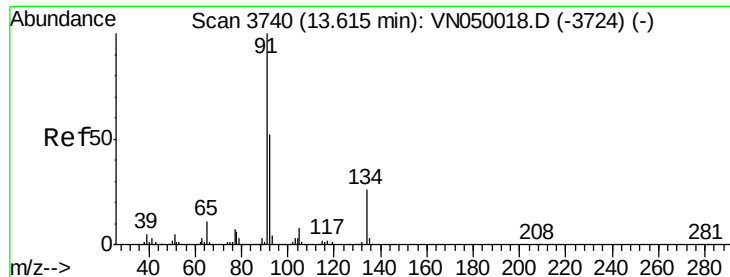
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#88
 1,4-Dichlorobenzene
 Concen: 20.939 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Tgt Ion:	146	Resp:	287567
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.3	54.9
148	64.0	31.9	95.9





#89

n-Butylbenzene

Concen: 20.932 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Instrument :

MSVOA_N

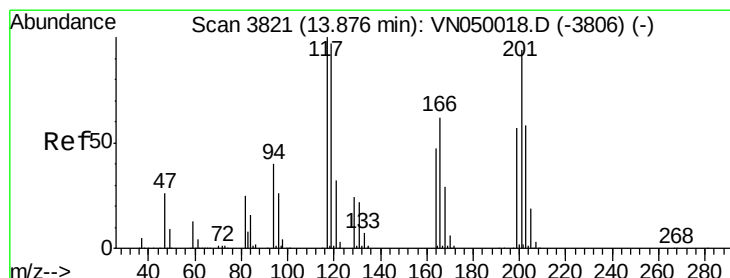
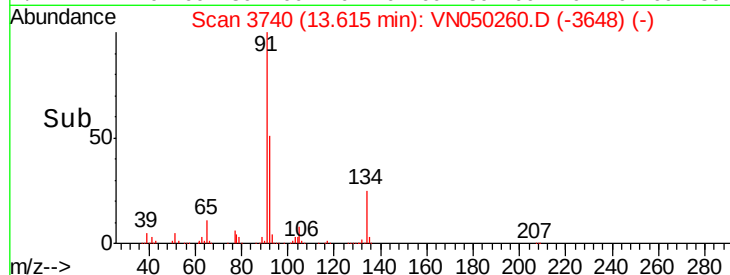
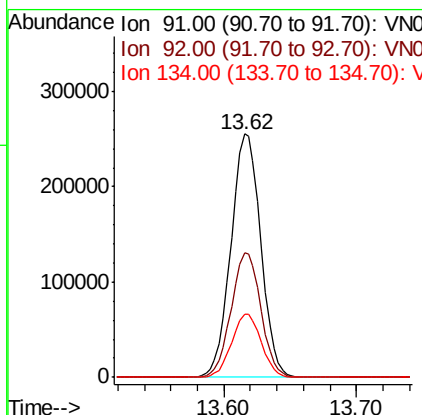
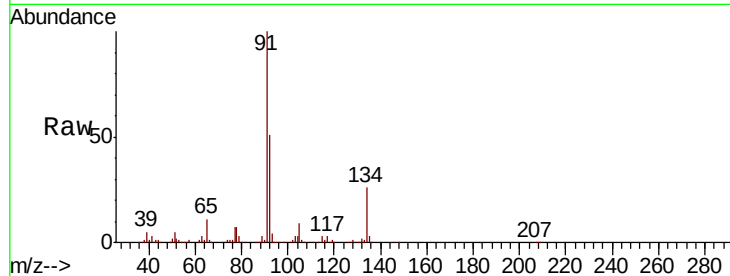
ClientSampled :

VN0802WBSD01

Tot Ion:	91	Resp:	398944
Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.4
134	25.8	12.8	38.4

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#90

Hexachloroethane

Concen: 18.871 ug/l

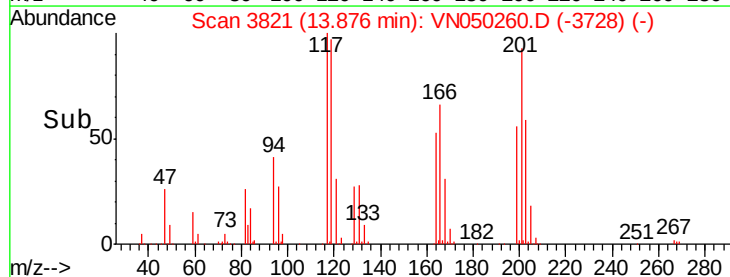
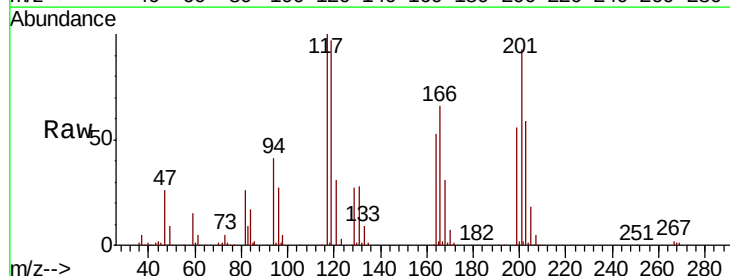
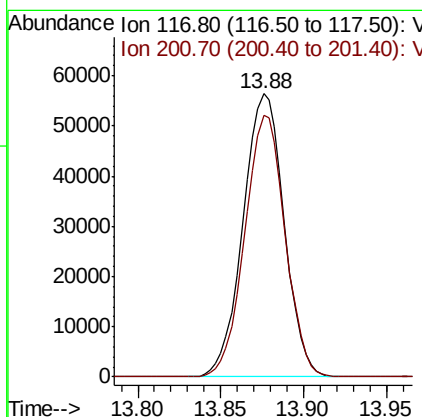
RT: 13.88 min Scan# 3821

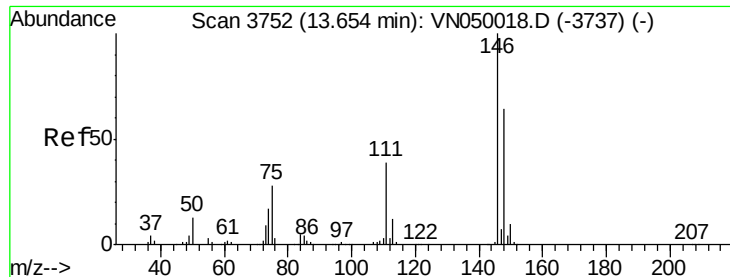
Delta R.T. 0.00 min

Lab File: VN050260.D

Acq: 2 Aug 2018 13:39

Tgt Ion:	117	Resp:	97119
Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.6	136.8





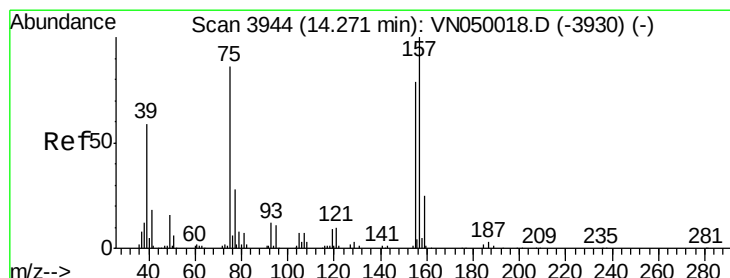
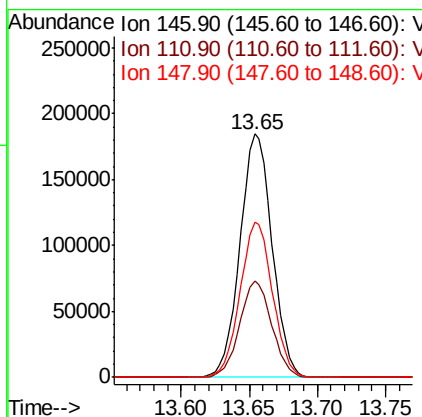
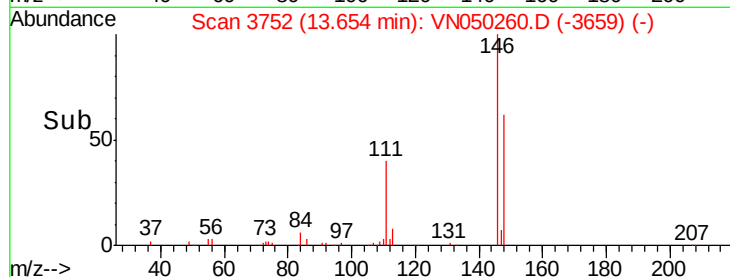
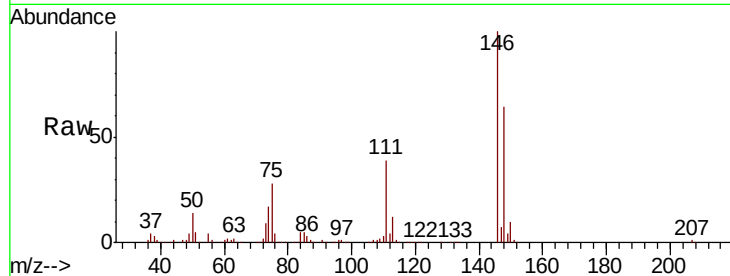
#91
 1,2-Dichlorobenzene
 Concen: 21.412 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	64.2	32.1	96.3

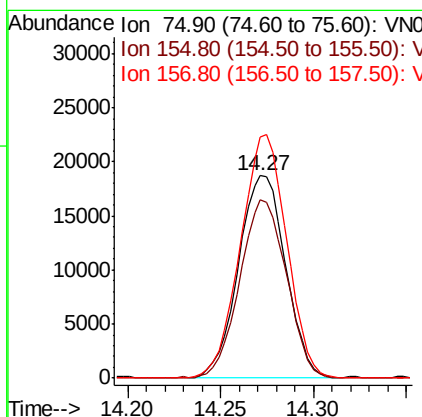
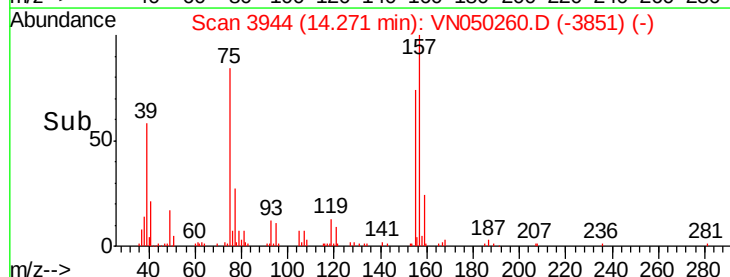
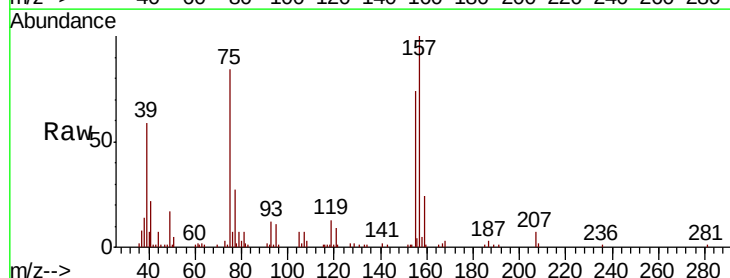
Manual Integrations
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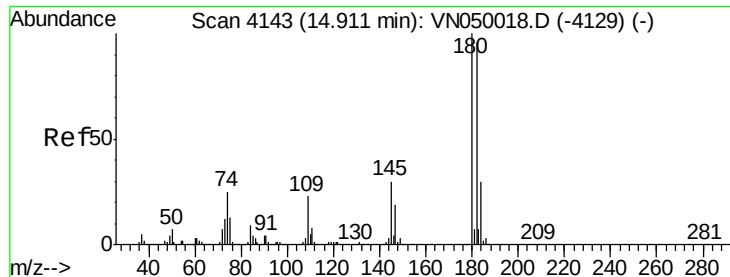
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 8/3/2018 9:36:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.311 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	44.8	134.4
157	117.9	57.2	171.6





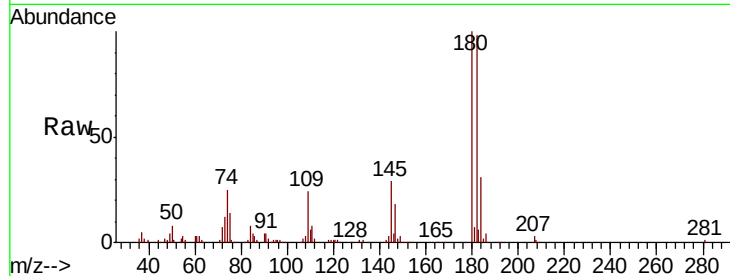
#93
 1,2,4-Trichlorobenzene
 Concen: 21.301 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

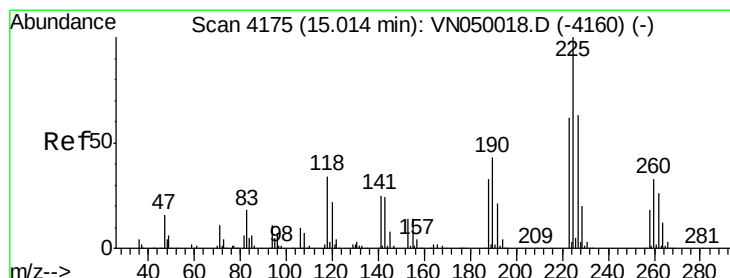
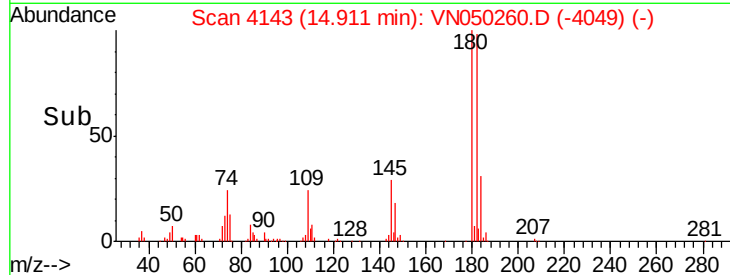
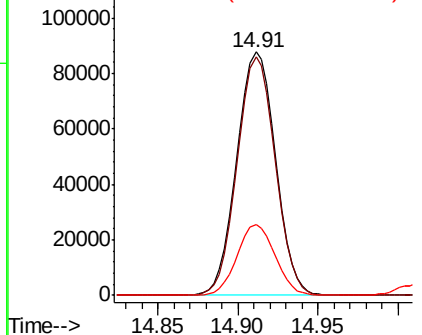
Tot Ion:	180	Resp:	145015
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.7	140.1
145	28.6	13.8	41.4

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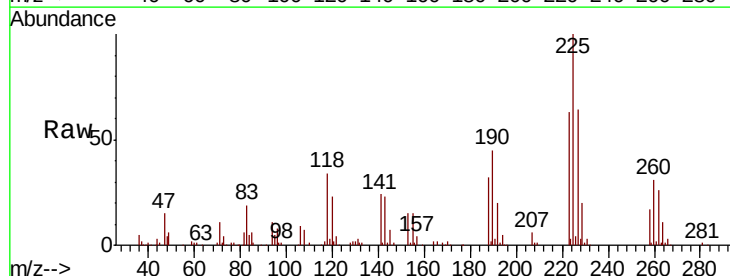


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

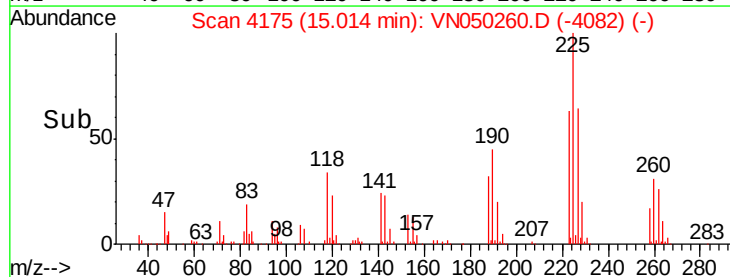
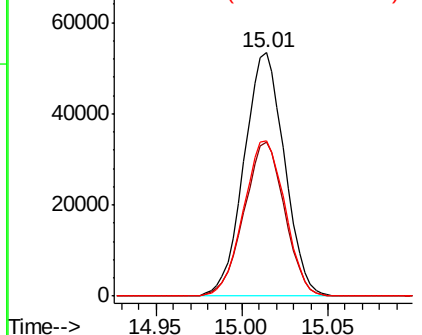


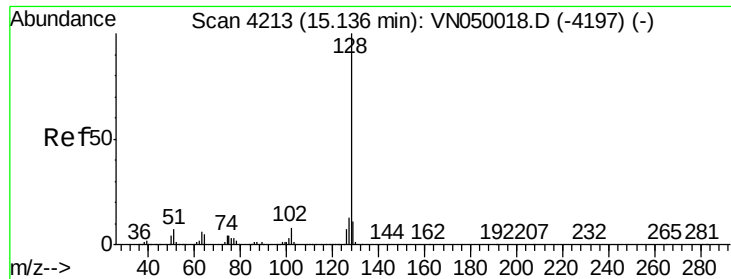
#94
 Hexachlorobutadiene
 Concen: 20.209 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050260.D
 Acq: 2 Aug 2018 13:39

Tgt Ion:	225	Resp:	87141
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.4	94.2
227	65.5	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





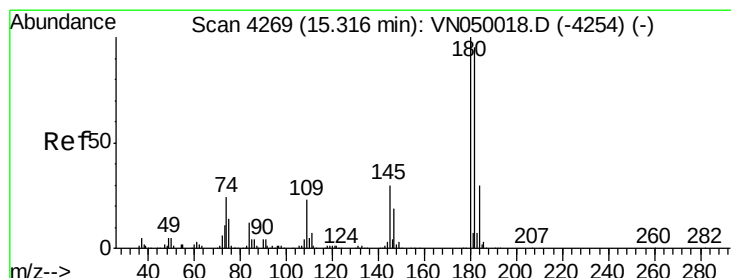
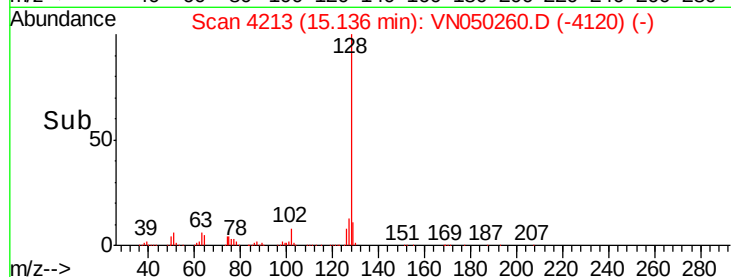
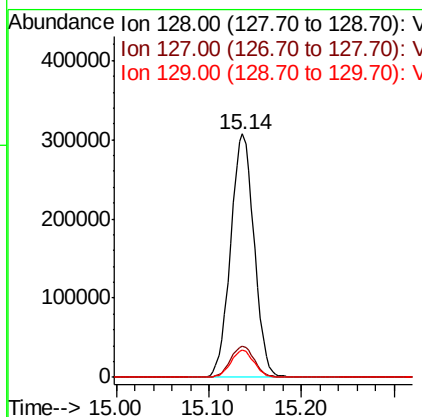
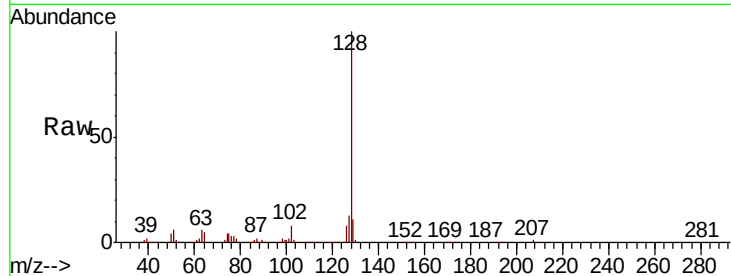
#95
Naphthalene
Concen: 32.156 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		537338		
127	13.1		10.4	15.6	
129	11.1		8.8	13.2	

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#96
1,2,3-Trichlorobenzene
Concen: 22.375 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050260.D
Acq: 2 Aug 2018 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		153512		
182	95.9		48.1	144.4	
145	30.8		15.3	45.9	

