

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051959.D
 Acq On : 23 Oct 2018 12:38
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:02 AM

Quant Time: Oct 24 10:14:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 06:27:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	757123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1116004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	978678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	445087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	5069	1.055	ug/l	96
3) Chloromethane	2.06	50	4524	1.046	ug/l	96
4) Vinyl Chloride	2.19	62	6402	1.104	ug/l	98
5) Bromomethane	2.57	94	5945	1.071	ug/l #	75
6) Chloroethane	2.71	64	4864	1.130	ug/l #	75
7) Trichlorofluoromethane	3.02	101	10651	1.031	ug/l	93
8) Diethyl Ether	3.41	74	3241	1.055	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	6600	1.066	ug/l	99
12) 1,1-Dichloroethene	3.75	96	5495m	0.991	ug/l	
14) Allyl chloride	4.33	41	7176m	1.239	ug/l	
15) Acrylonitrile	5.00	53	6830m	4.636	ug/l	
16) Acetone	3.82	43	6803	5.981	ug/l	89
17) Carbon Disulfide	4.06	76	13667	1.037	ug/l	97
18) Methyl Acetate	4.33	43	5720m	1.490	ug/l	
19) Methyl tert-butyl Ether	5.05	73	14305	0.961	ug/l	97
20) Methylene Chloride	4.56	84	7887	1.210	ug/l	91
21) trans-1,2-Dichloroethene	5.05	96	6310	1.005	ug/l	96
22) Diisopropyl ether	5.95	45	13588m	1.013	ug/l	
23) Vinyl Acetate	5.91	43	41256	4.519	ug/l	97
24) 1,1-Dichloroethane	5.86	63	9940	1.015	ug/l	94
25) 2-Butanone	6.85	43	6541	4.130	ug/l	88
26) 2,2-Dichloropropane	6.83	77	8770	0.978	ug/l	89
27) cis-1,2-Dichloroethene	6.84	96	6786m	0.925	ug/l	
28) Bromochloromethane	7.20	49	3177	0.805	ug/l #	49
29) Tetrahydrofuran	7.22	42	6169	5.749	ug/l #	40
30) Chloroform	7.37	83	12312	1.029	ug/l	89
31) Cyclohexane	7.67	56	20992	1.989	ug/l #	60
32) 1,1,1-Trichloroethane	7.57	97	10677	0.976	ug/l #	48
36) 1,1-Dichloropropene	7.80	75	8840	1.033	ug/l	96
37) Ethyl Acetate	6.93	43	2192	0.599	ug/l #	75
38) Carbon Tetrachloride	7.78	117	9091	0.925	ug/l	92
39) Methylcyclohexane	9.08	83	9833	0.940	ug/l	92
40) Benzene	8.05	78	24388	0.959	ug/l	98
41) Methacrylonitrile	7.18	41	2192	1.139	ug/l #	53

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	8432	1.035	ug/l	93
43) Isopropyl Acetate	8.17	43	6803	0.949	ug/l #	83
44) Trichloroethene	8.84	130	7857	0.963	ug/l	100
45) 1,2-Dichloropropane	9.12	63	5335	0.928	ug/l #	68
46) Dibromomethane	9.21	93	4539	0.979	ug/l	95
47) Bromodichloromethane	9.40	83	8395	0.959	ug/l	89
48) Methyl methacrylate	9.20	41	3423	0.988	ug/l	92
49) 1,4-Dioxane	9.21	88	993	15.627	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	19354	4.908	ug/l	97
52) Toluene	10.16	92	15447	0.896	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	6095	0.760	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	7445	0.814	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	6019	0.945	ug/l #	89
56) Ethyl methacrylate	10.43	69	5768	0.843	ug/l	94
57) 1,3-Dichloropropane	10.71	76	9630	0.996	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	15150	4.230	ug/l	99
59) 2-Hexanone	10.75	43	11651	4.397	ug/l	95
60) Dibromochloromethane	10.90	129	5537	0.776	ug/l	98
61) 1,2-Dibromoethane	11.01	107	5900	0.879	ug/l	99
64) Tetrachloroethene	10.63	164	7653	1.019	ug/l	94
65) Chlorobenzene	11.43	112	19727	0.998	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	6304	0.888	ug/l #	66
67) Ethyl Benzene	11.51	91	30533	0.961	ug/l	98
68) m/p-Xylenes	11.62	106	21462	1.691	ug/l	96
69) o-Xylene	11.95	106	10873	0.881	ug/l	93
70) Styrene	11.97	104	15801	0.801	ug/l	95
71) Bromoform	12.12	173	2902	0.670	ug/l #	98
73) Isopropylbenzene	12.25	105	28660	1.015	ug/l	100
74) N-amyl acetate	12.07	43	6404	1.153	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.50	83	5818	0.998	ug/l	92
76) 1,2,3-Trichloropropane	12.55	75	4623m	0.995	ug/l	
77) Bromobenzene	12.53	156	7431	0.954	ug/l	90
78) n-propylbenzene	12.59	91	29527	0.970	ug/l	94
79) 2-Chlorotoluene	12.68	91	17682	0.997	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	20308	0.897	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	803	0.648	ug/l #	67
82) 4-Chlorotoluene	12.77	91	17984	0.980	ug/l	93
83) tert-Butylbenzene	12.99	119	20717	0.967	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	21632	0.926	ug/l	99
85) sec-Butylbenzene	13.17	105	26265	0.939	ug/l	92
86) p-Isopropyltoluene	13.29	119	22130	0.879	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	14179	0.987	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	13665m	0.965	ug/l	
89) n-Butylbenzene	13.62	91	17940	0.895	ug/l	98
90) Hexachloroethane	13.88	117	3332	0.888	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	13693	0.985	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1022	1.141	ug/l #	46
93) 1,2,4-Trichlorobenzene	14.91	180	8127	0.990	ug/l	87
94) Hexachlorobutadiene	15.01	225	4523	1.072	ug/l	94
95) Naphthalene	15.13	128	15219	0.854	ug/l	98

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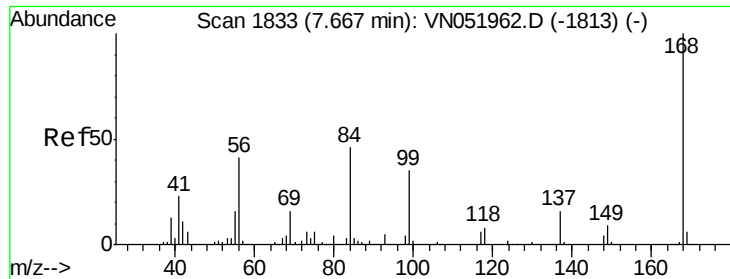
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	7937	1.011	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 757123

Ion Ratio Lower Upper

168 100

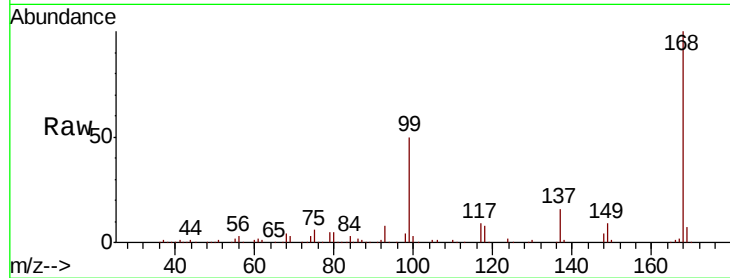
99 49.4 37.8 56.6

Manual Integrations

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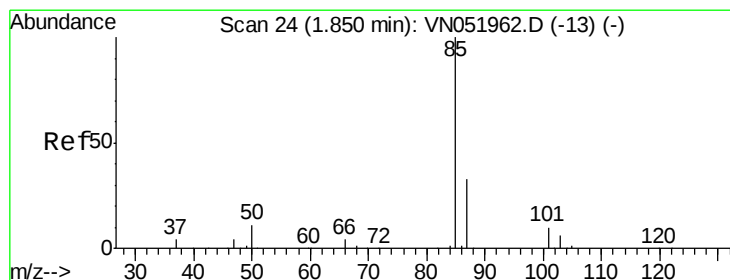
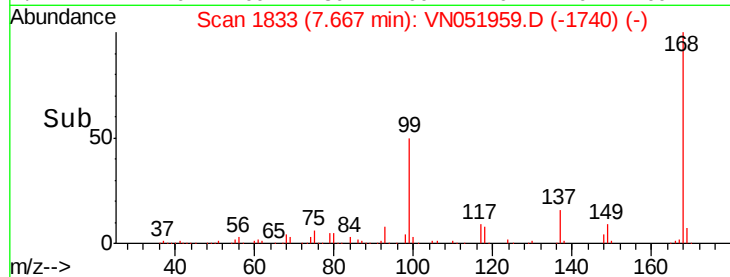
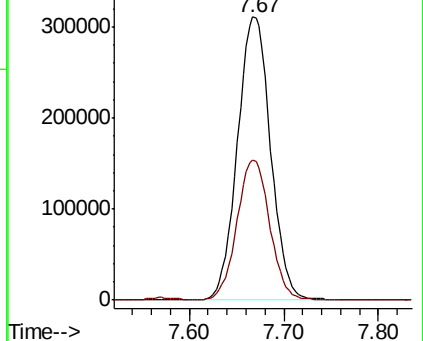
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.055 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051959.D

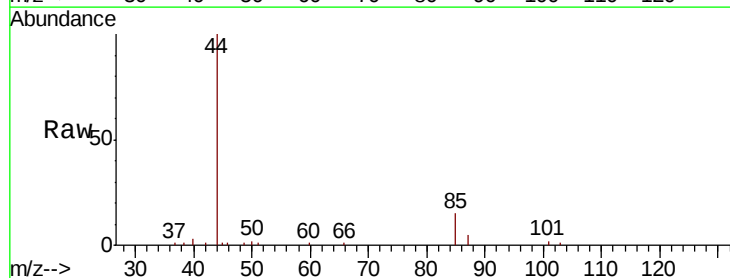
Acq: 23 Oct 2018 12:38

Tgt Ion: 85 Resp: 5069

Ion Ratio Lower Upper

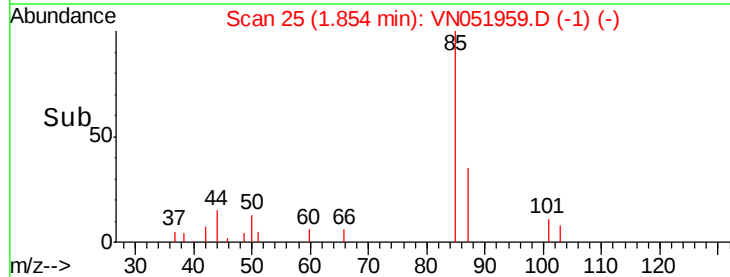
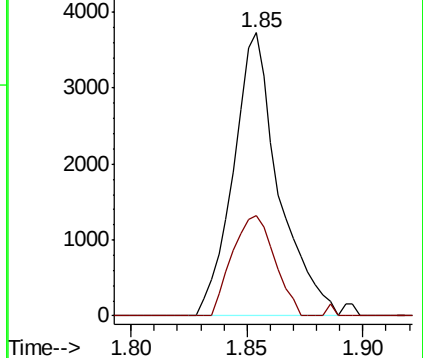
85 100

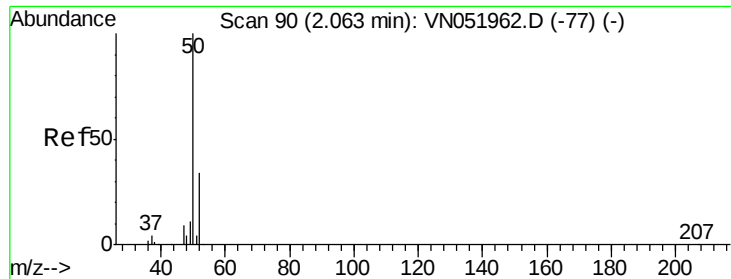
87 35.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.046 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 4524

Ion Ratio Lower Upper

50 100

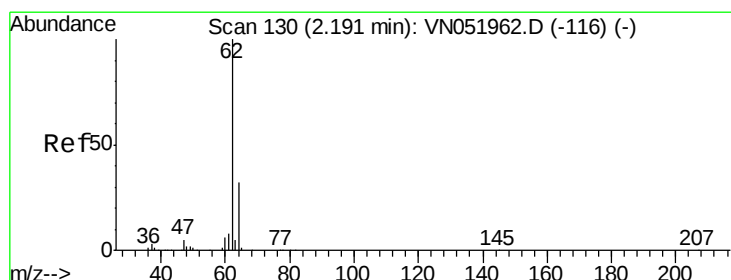
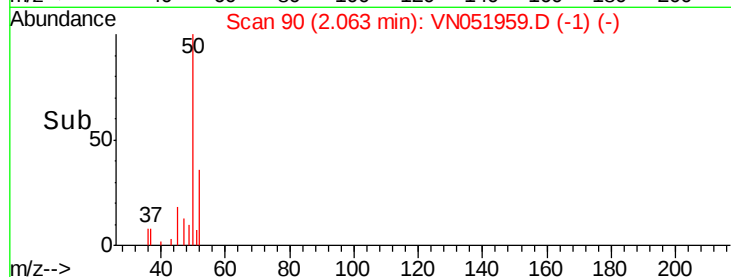
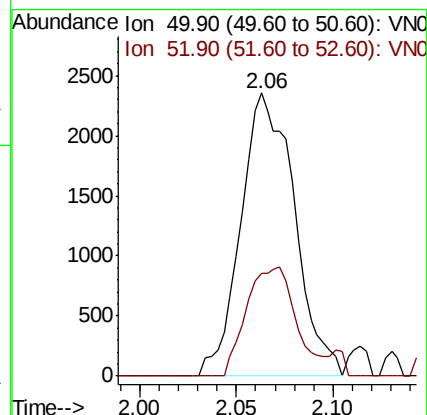
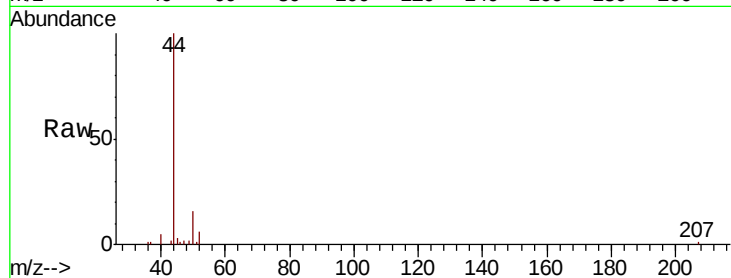
52 36.4 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.104 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN051959.D

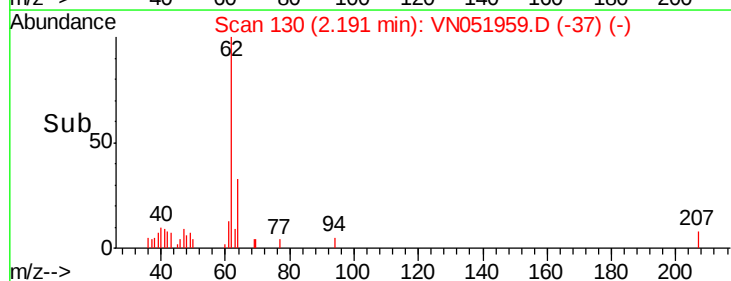
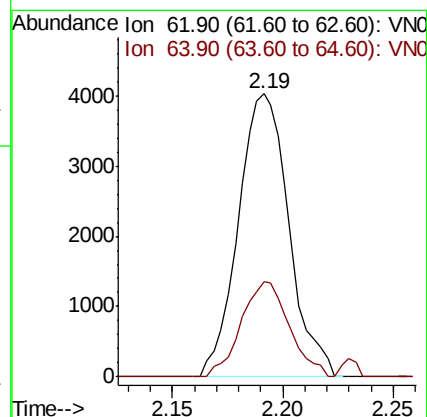
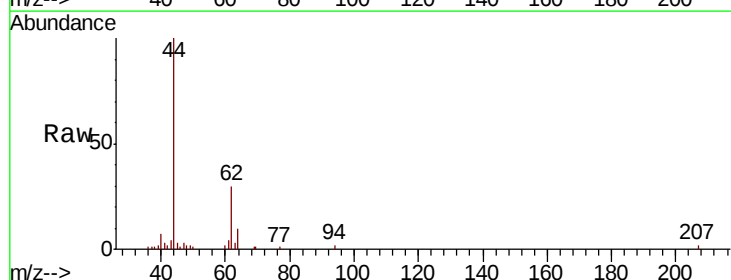
Acq: 23 Oct 2018 12:38

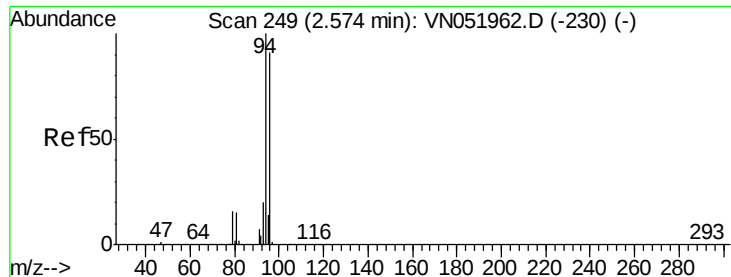
Tgt Ion: 62 Resp: 6402

Ion Ratio Lower Upper

62 100

64 33.5 26.0 39.0





#5

Bromomethane

Concen: 1.071 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 5945

Ion Ratio Lower Upper

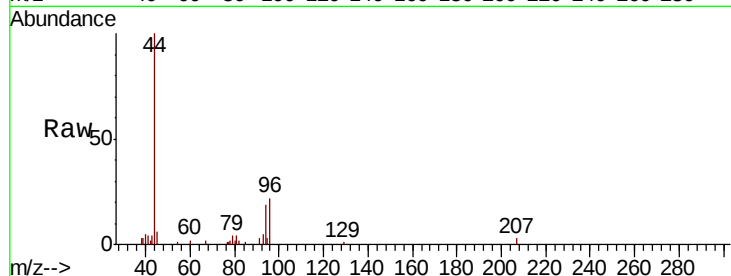
94 100

96 115.1 73.0 109.6#

Manual Integrations
APPROVED

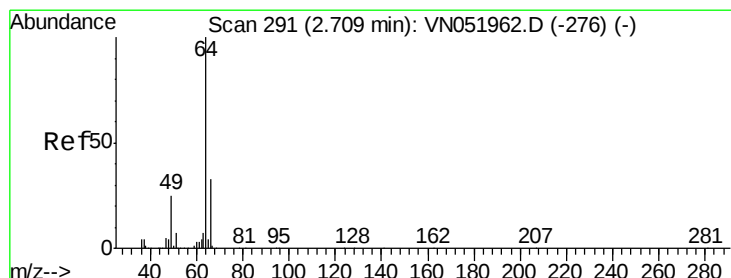
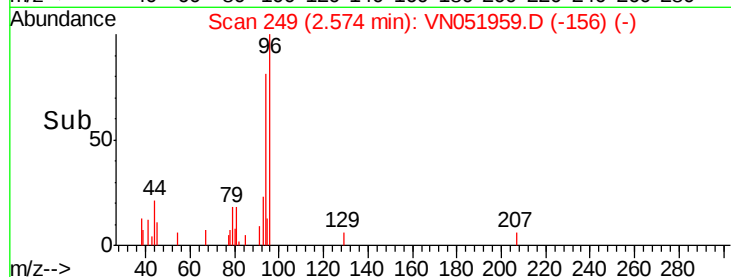
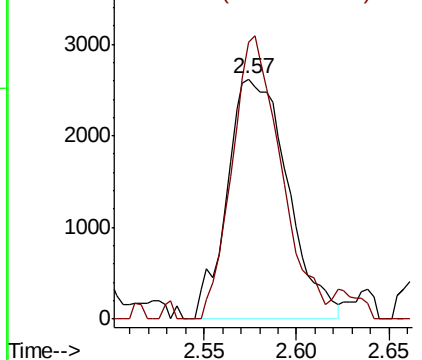
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Abundance Ion 93.90 (93.60 to 94.60): VN051962.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN051962.D (-230) (-)



#6

Chloroethane

Concen: 1.130 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN051959.D

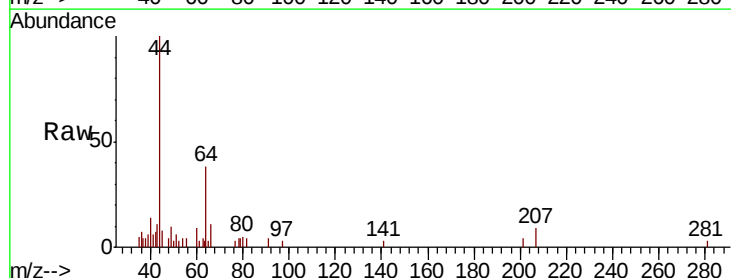
Acq: 23 Oct 2018 12:38

Tgt Ion: 64 Resp: 4864

Ion Ratio Lower Upper

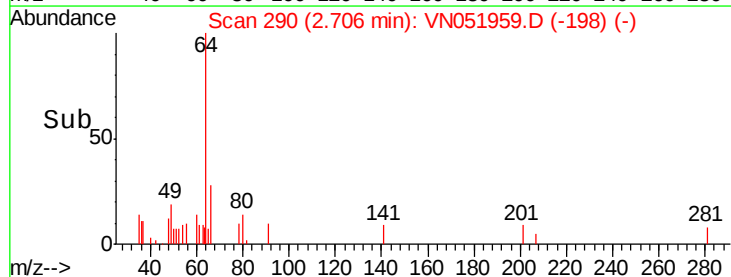
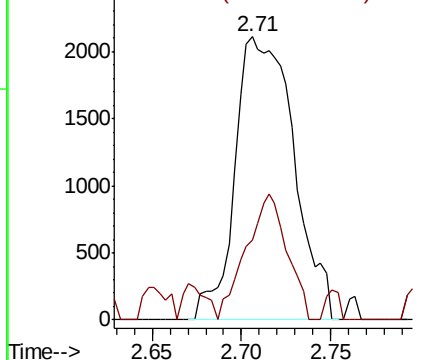
64 100

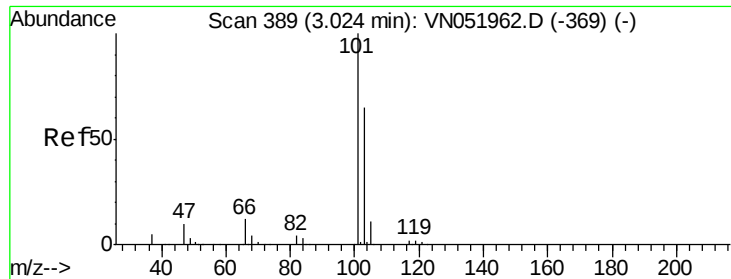
66 18.4 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VN051962.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN051962.D (-276) (-)





#7

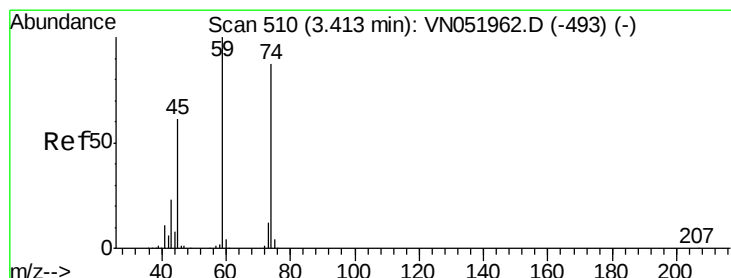
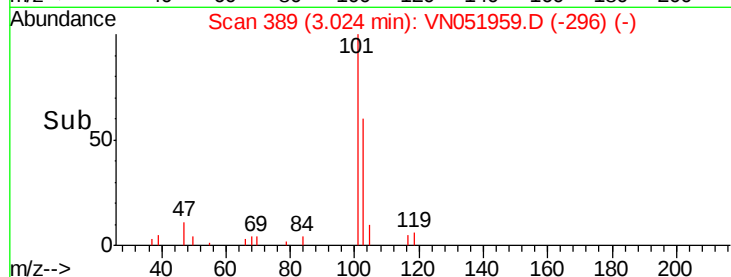
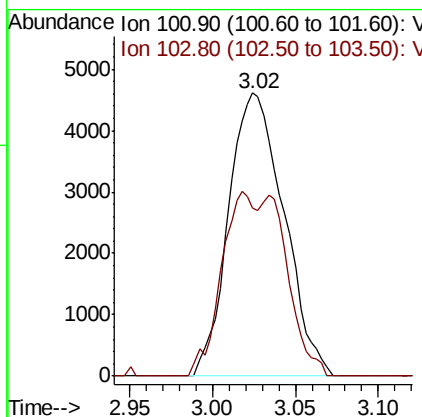
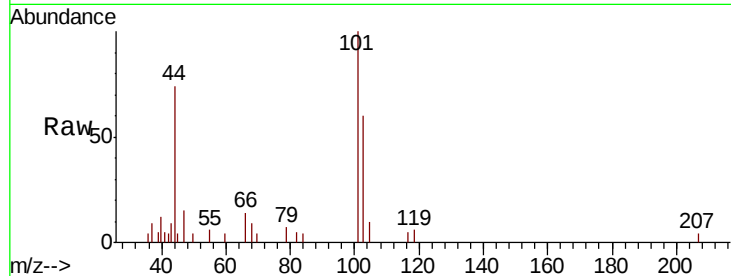
Trichlorofluoromethane
Concen: 1.031 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
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ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.5	52.0	78.0

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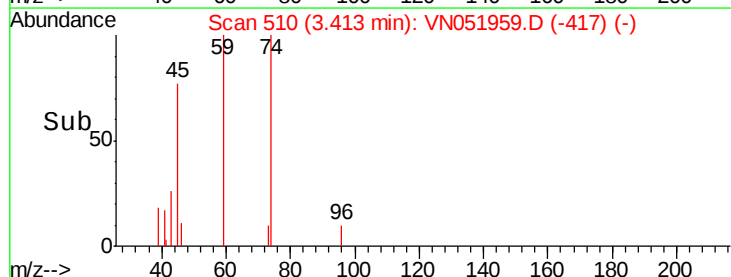
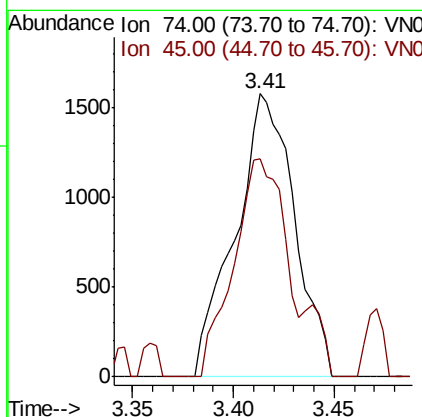
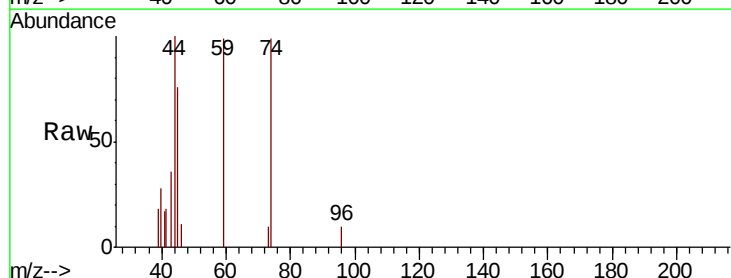
MMDadoda
10/24/2018 10:09:02 AM

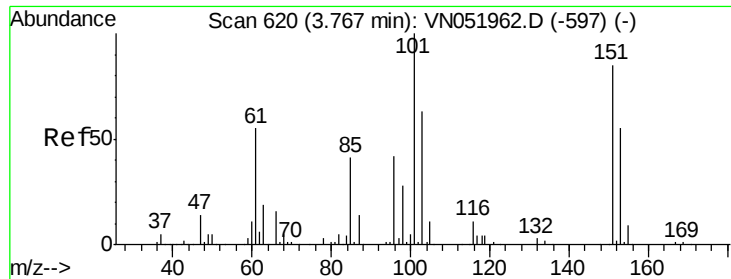


#8

Diethyl Ether
Concen: 1.055 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.3	35.5	106.5





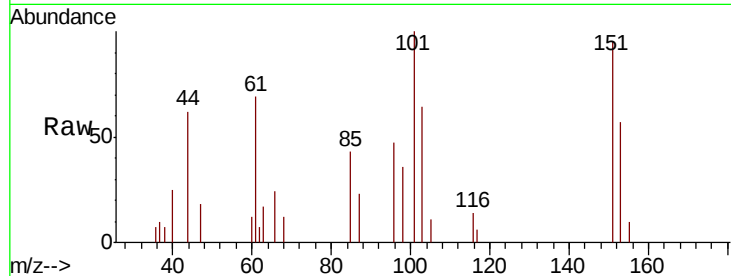
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.066 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN051959.D
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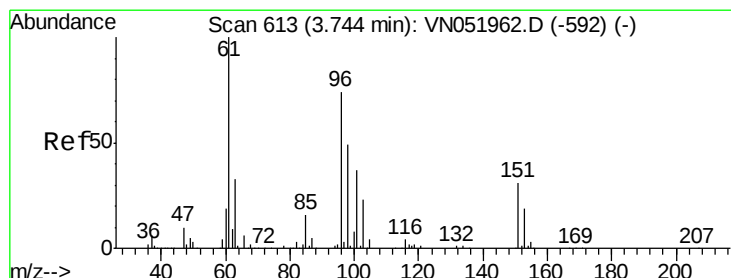
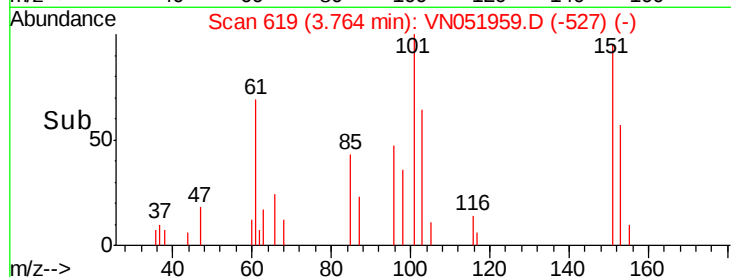
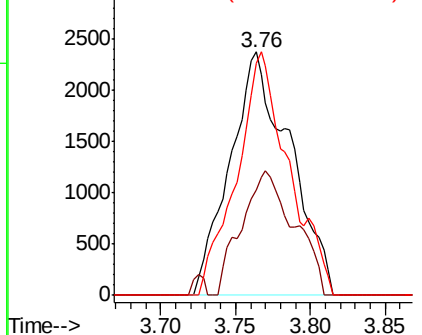
Tot Ion	Ratio	Lower	Upper
101	100		
85	44.9	34.2	51.4
151	86.6	69.1	103.7

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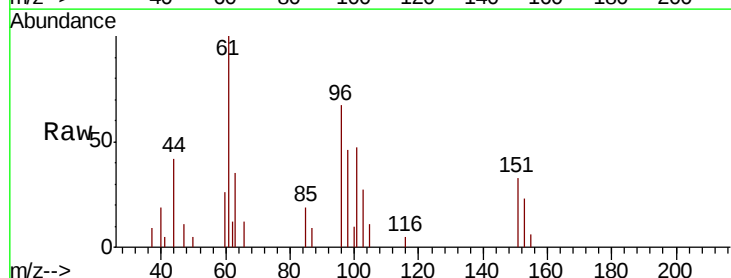


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VN
 Ion 150.80 (150.50 to 151.50): V

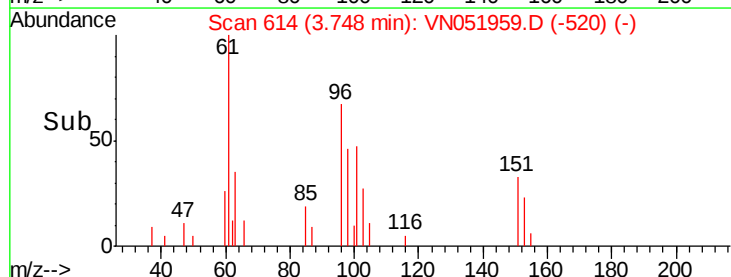
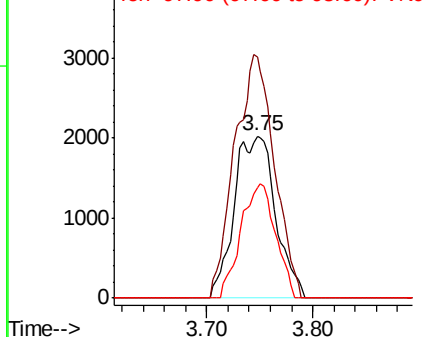


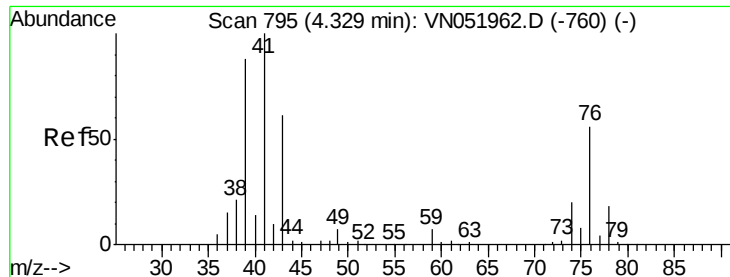
#12
 1,1-Dichloroethene
 Concen: 0.991 ug/l m
 RT: 3.75 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	107.8	161.8
98	68.6	52.7	79.1



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





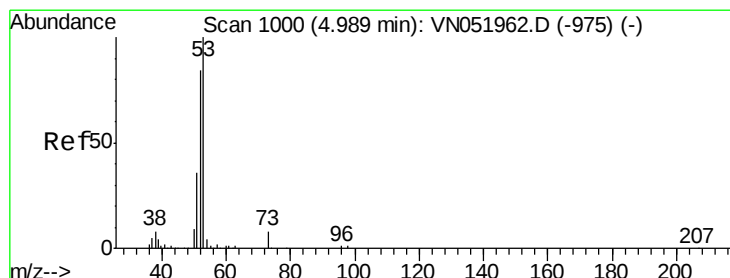
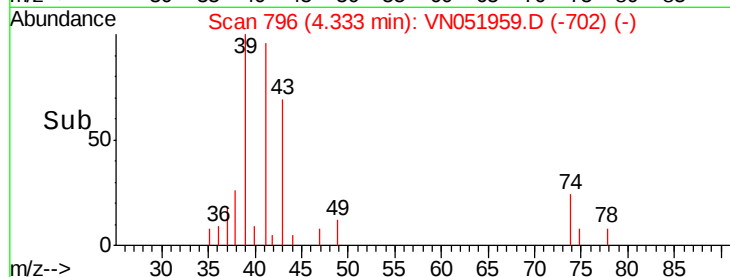
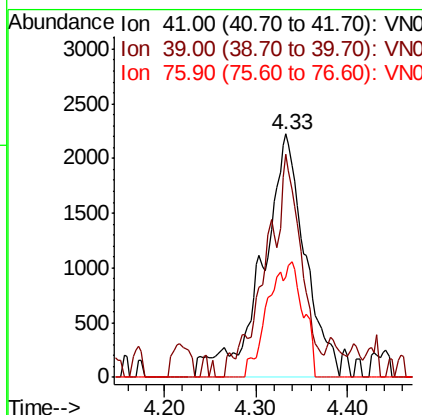
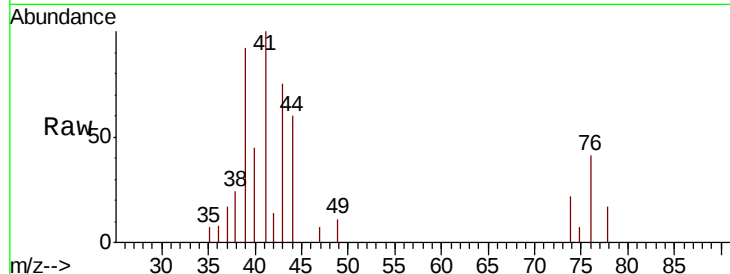
#14
Allvl chloride
Concen: 1.239 ug/l m
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.7	67.7	101.5#
76	19.2	41.3	61.9#

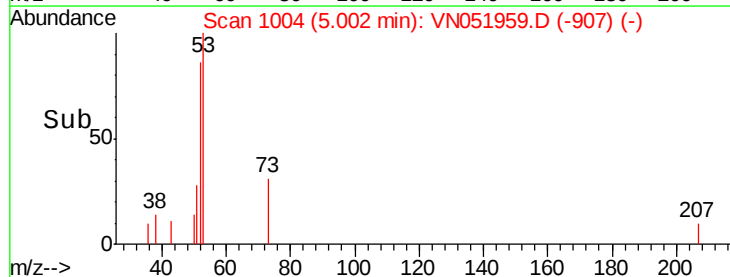
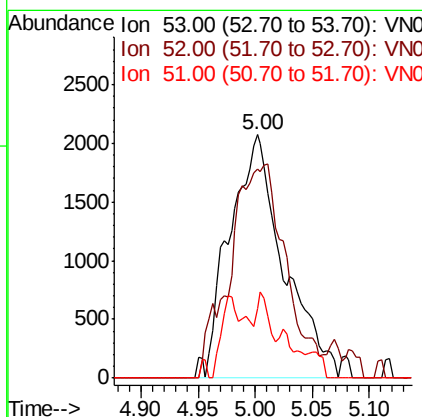
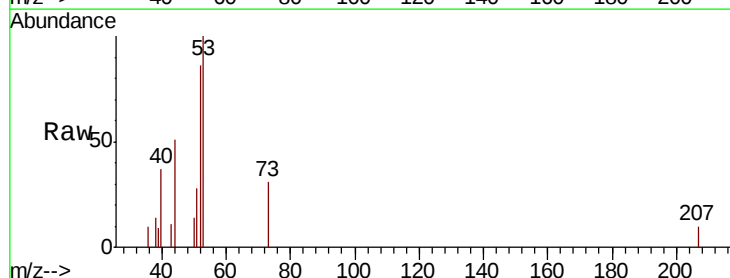
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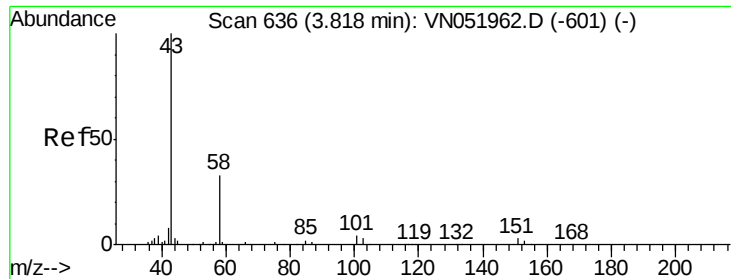
MMDadoda
10/24/2018 10:09:02 AM



#15
Acrylonitrile
Concen: 4.636 ug/l m
RT: 5.00 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
53	100		
52	91.1	67.0	100.4
51	4.6	29.5	44.3#





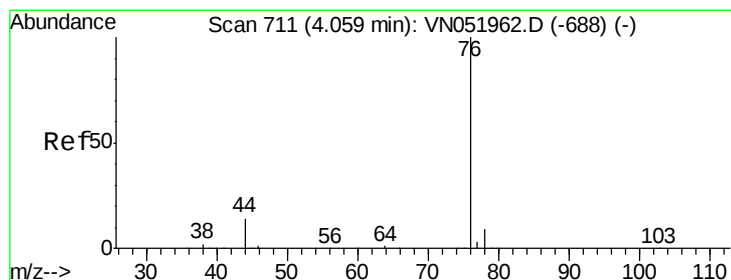
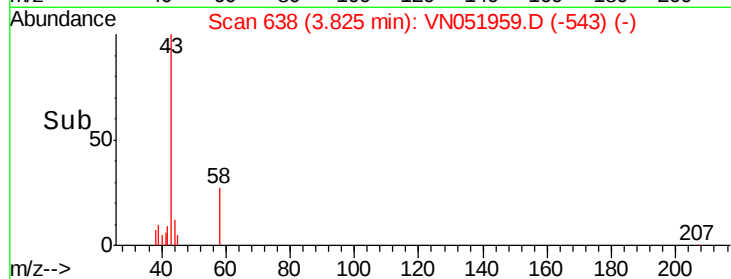
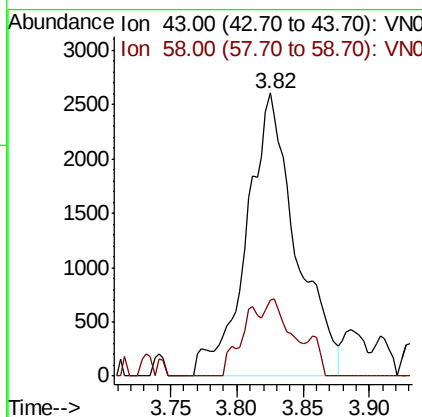
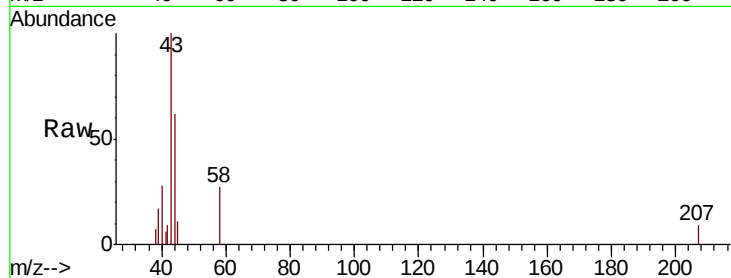
#16
Acetone
Concen: 5.981 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 6803
Ion Ratio Lower Upper
43 100
58 27.1 26.7 40.1

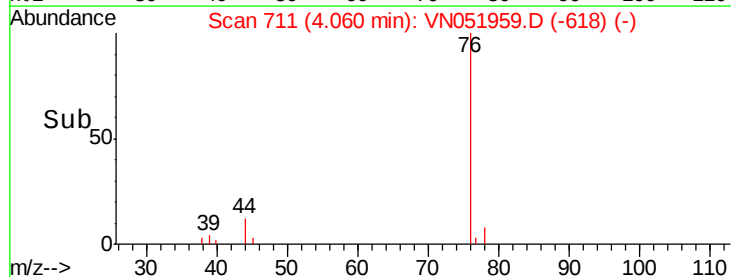
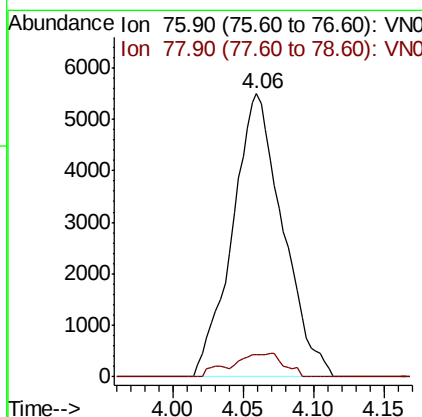
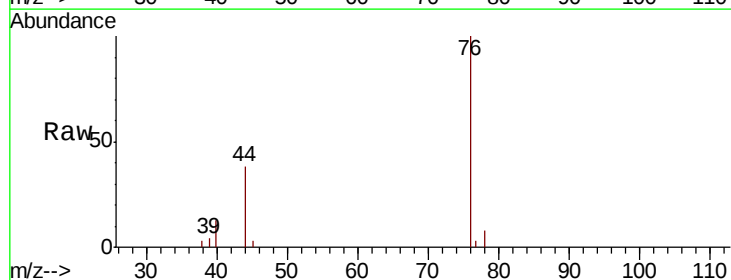
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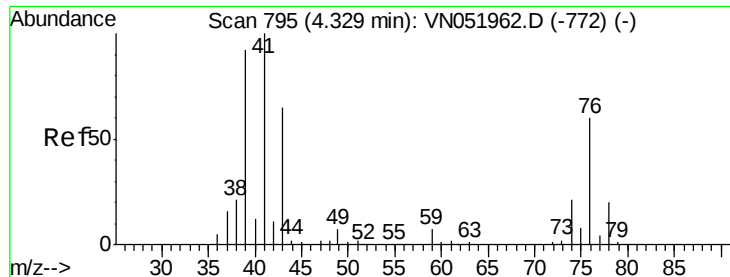
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#17
Carbon Disulfide
Concen: 1.037 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion: 76 Resp: 13667
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9





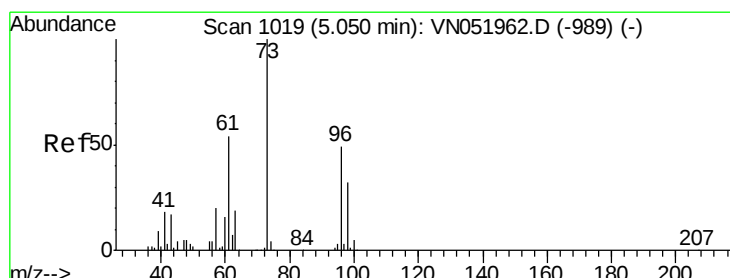
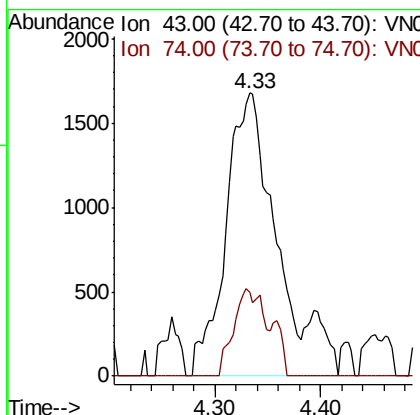
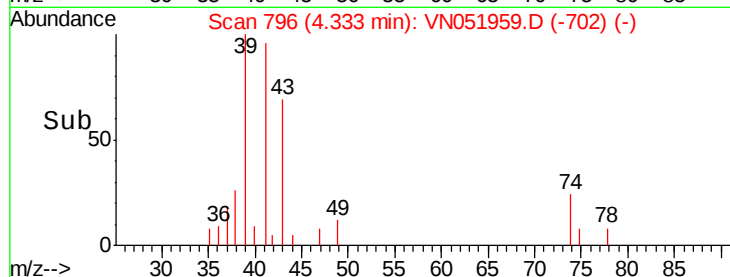
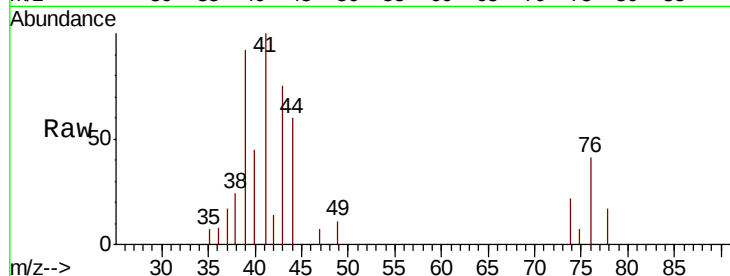
#18
Methyl Acetate
Concen: 1.490 ug/l m
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 5720
Ion Ratio Lower Upper
43 100
74 18.0 25.7 38.5#

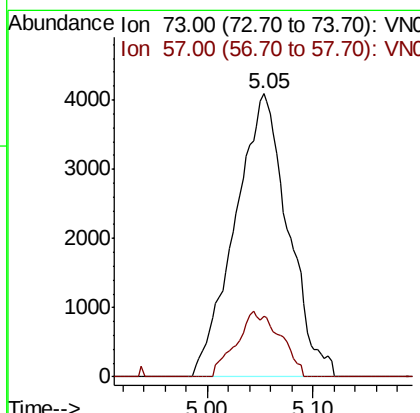
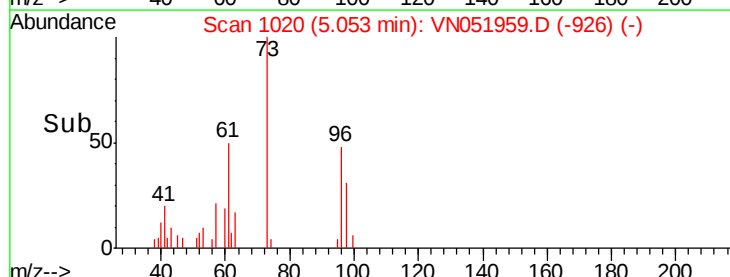
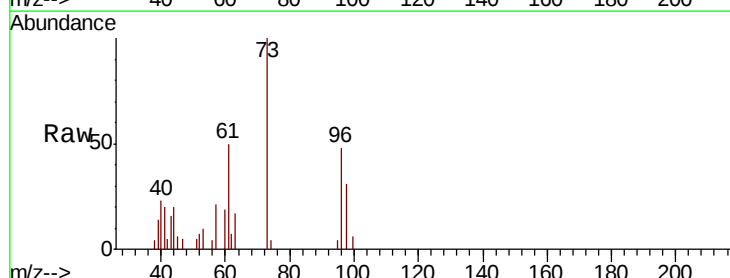
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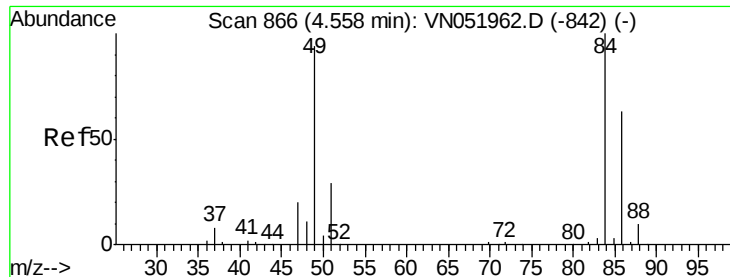
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#19
Methyl tert-butyl Ether
Concen: 0.961 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion: 73 Resp: 14305
Ion Ratio Lower Upper
73 100
57 21.4 15.9 23.9





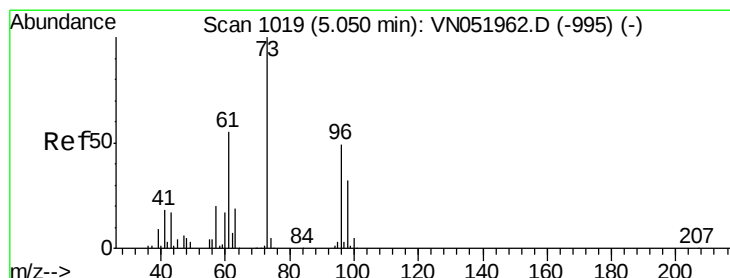
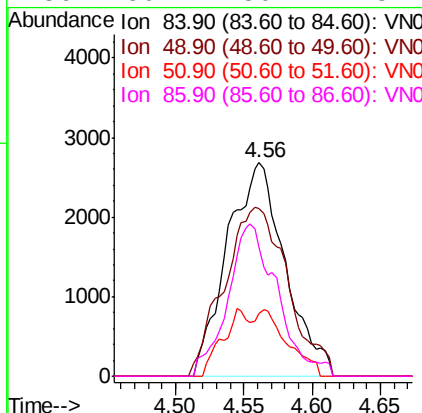
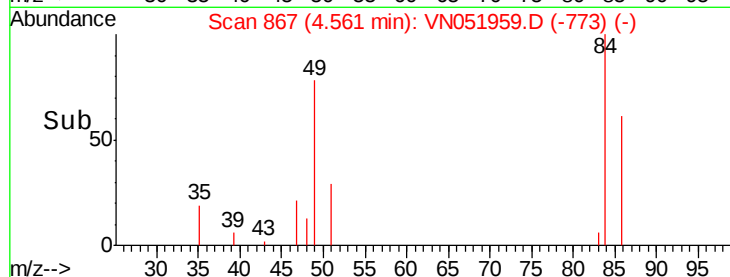
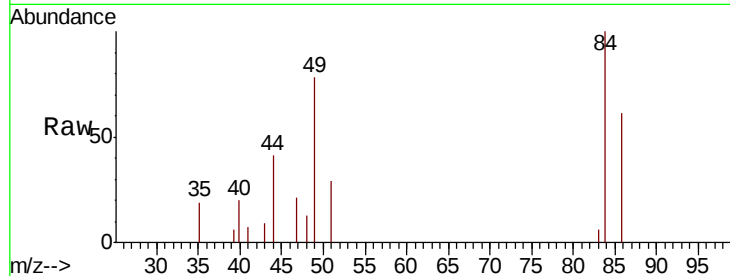
#20
Methvlene Chloride
Concen: 1.210 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	7887
Ion	Ratio	Lower	Upper
84	100		
49	78.4	75.4	113.0
51	29.5	23.1	34.7
86	60.7	50.2	75.4

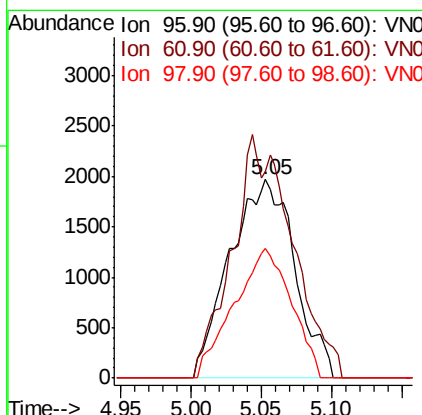
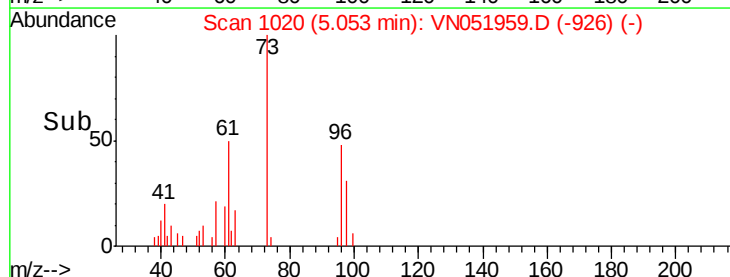
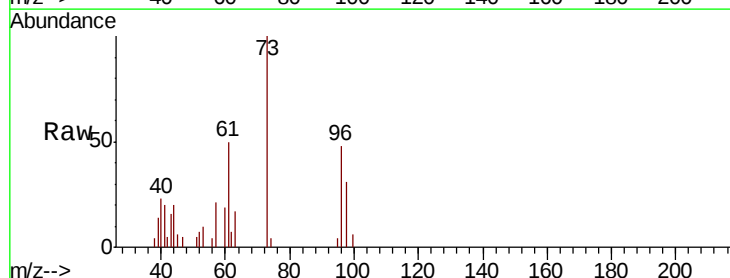
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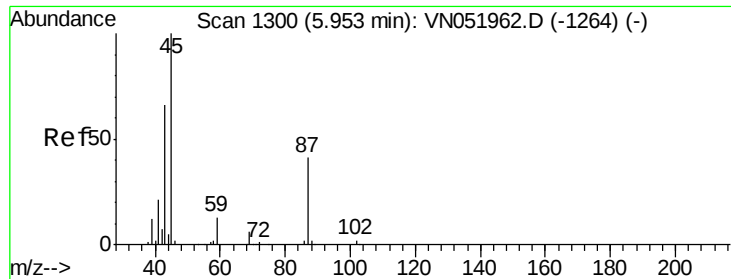
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 1.005 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion:	96	Resp:	6310
Ion	Ratio	Lower	Upper
96	100		
61	104.3	89.0	133.4
98	65.3	51.8	77.8





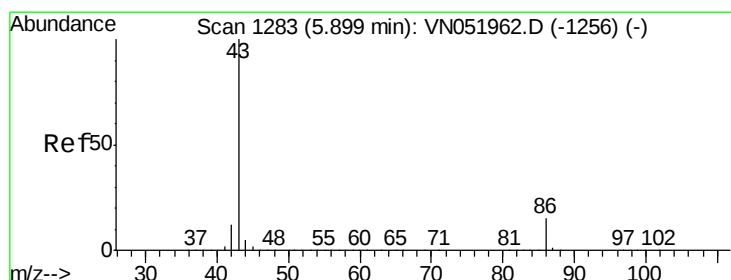
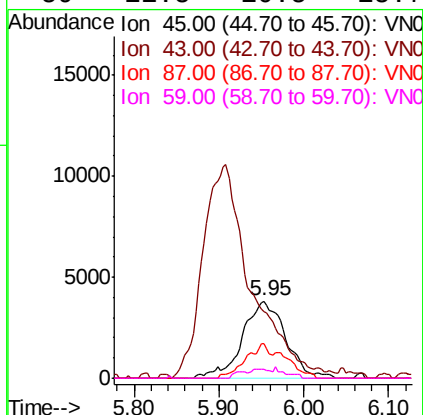
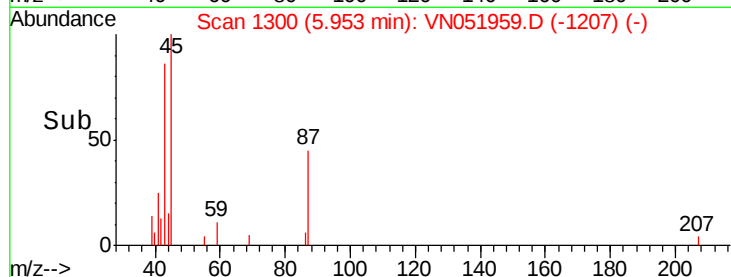
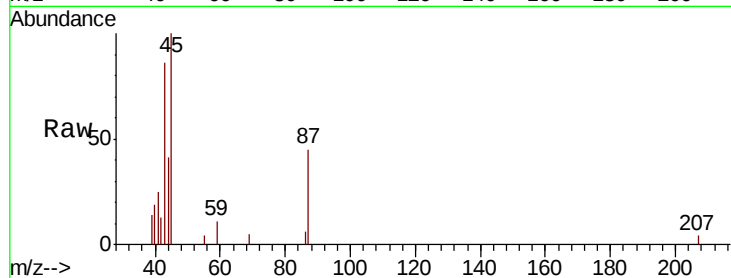
#22
Diisopropyl ether
Concen: 1.013 ug/l m
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
43	86.5	52.9	79.3#
87	45.3	33.4	50.0
59	11.5	10.5	15.7

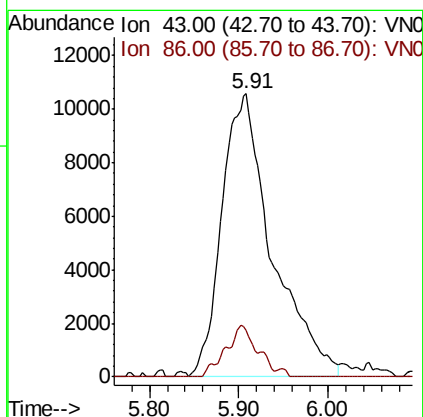
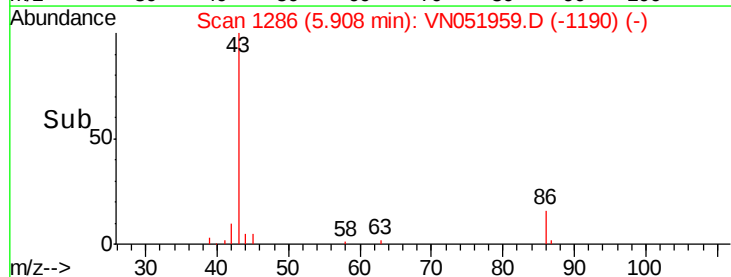
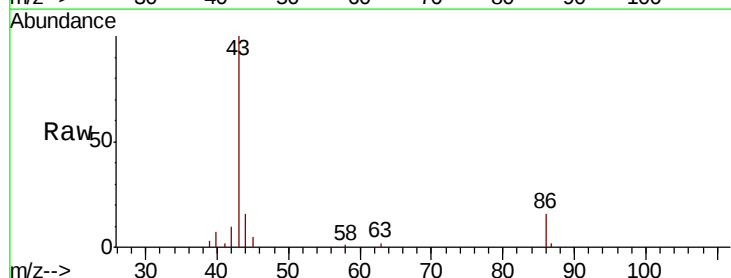
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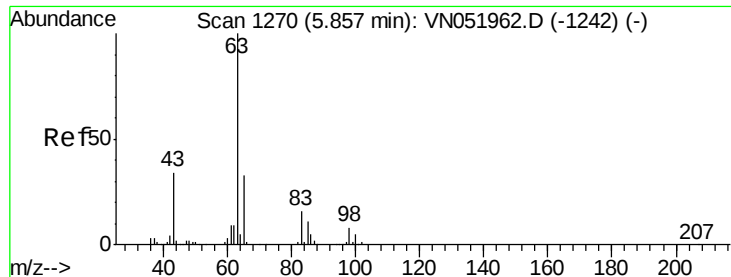
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#23
Vinyl Acetate
Concen: 4.519 ug/l
RT: 5.91 min Scan# 1286
Delta R.T. 0.01 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
86	16.3	11.9	17.9





#24

1,1-Dichloroethane

Concen: 1.015 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

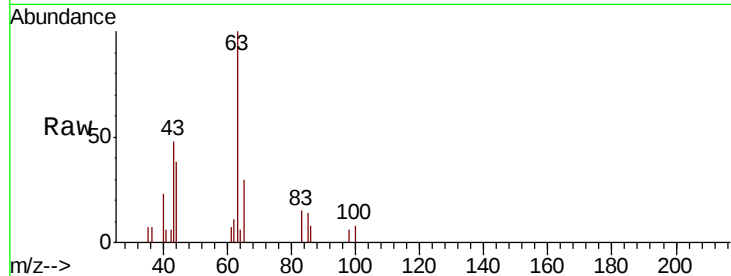
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	9940
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.9	11.7
100	7.9	2.6	8.0

Manual Integrations
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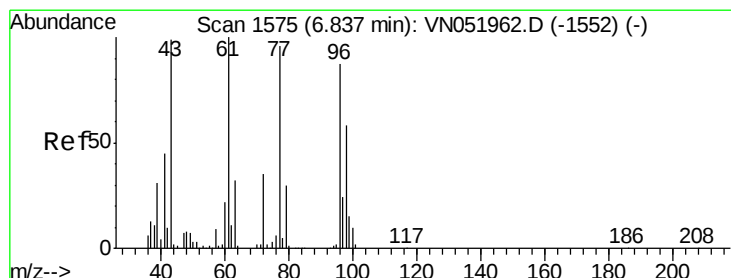
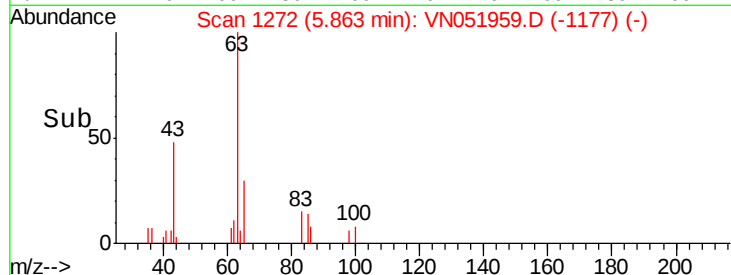
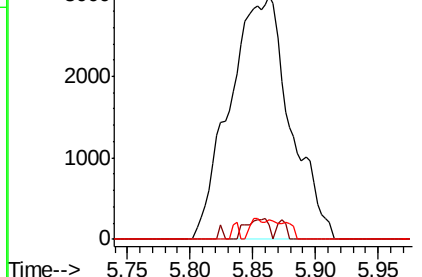
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Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051962.D (-1242) (-)



#25

2-Butanone

Concen: 4.130 ug/l

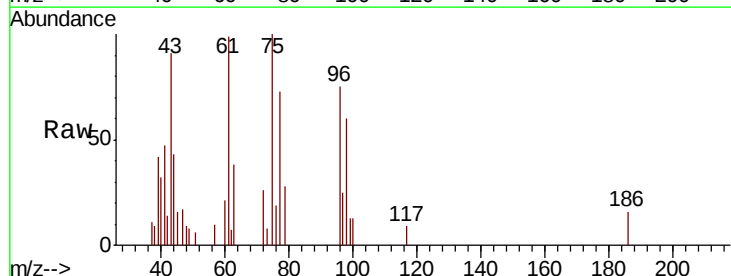
RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN051959.D

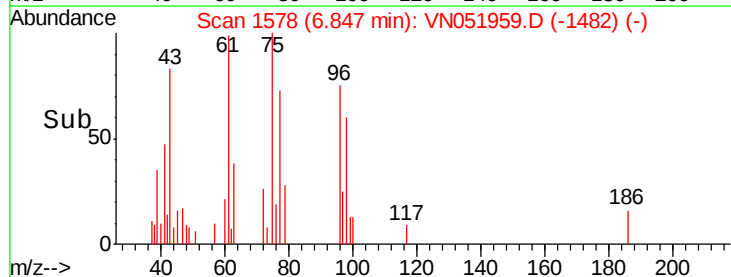
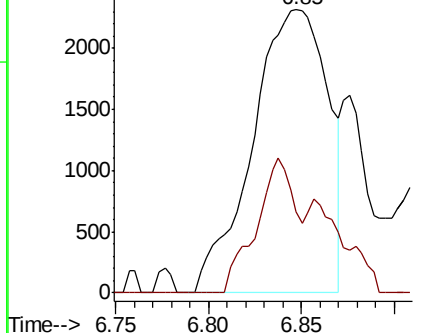
Acq: 23 Oct 2018 12:38

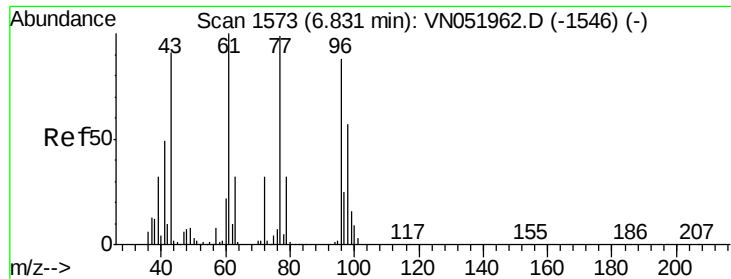
Tgt Ion:	43	Resp:	6541
Ion	Ratio	Lower	Upper
43	100		
72	28.6	28.5	42.7



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN051962.D (-1552) (-)





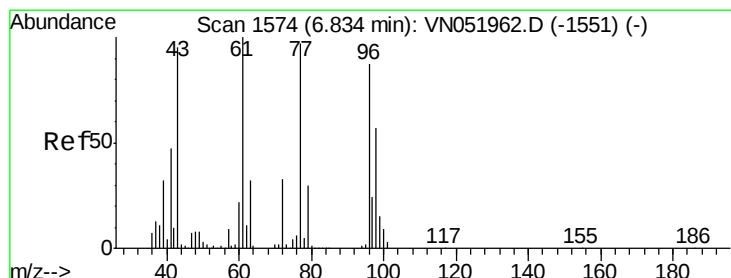
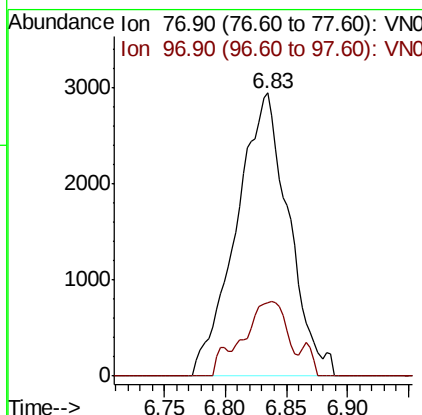
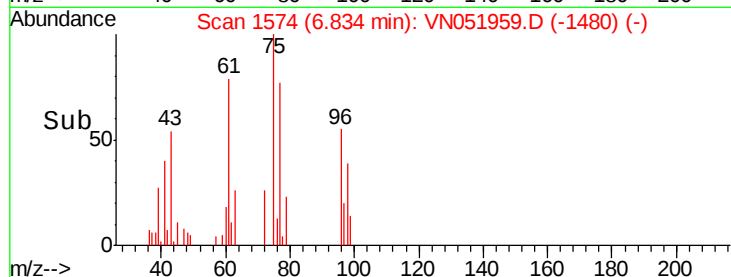
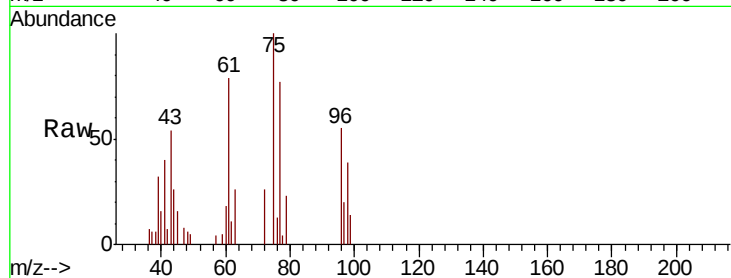
#26
 2,2-Dichloropropane
 Concen: 0.978 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
77	100		
97	19.7	12.6	37.6

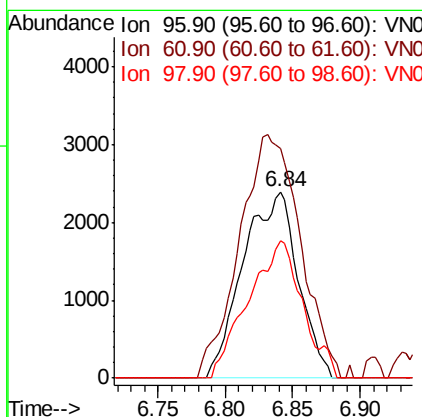
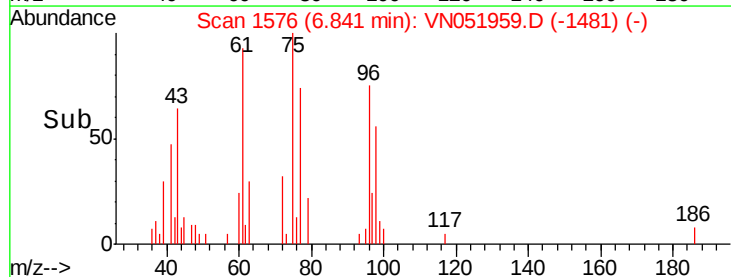
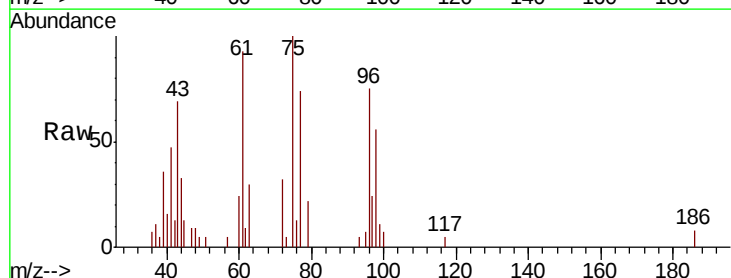
Manual Integrations
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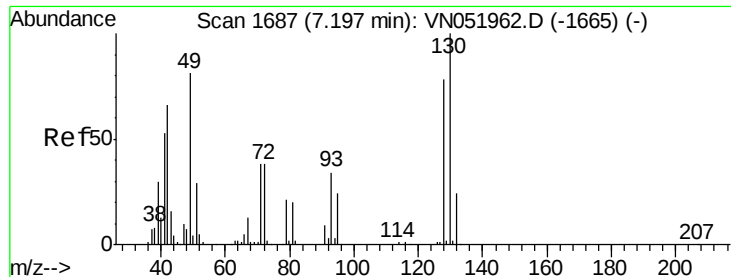
MMDadoda
 10/24/2018 10:09:02 AM



#27
 cis-1,2-Dichloroethene
 Concen: 0.925 ug/l m
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	234.4
98	72.6	0.0	131.6





#28

Bromochloromethane

Concen: 0.805 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 3177

Ion Ratio Lower Upper

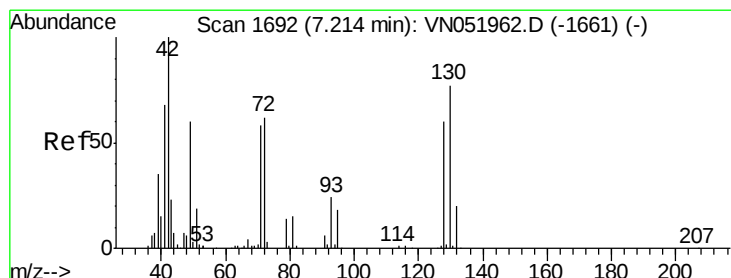
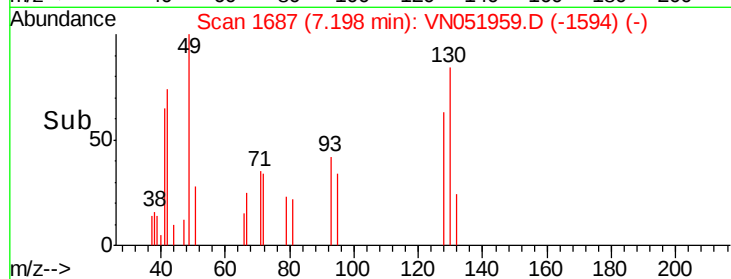
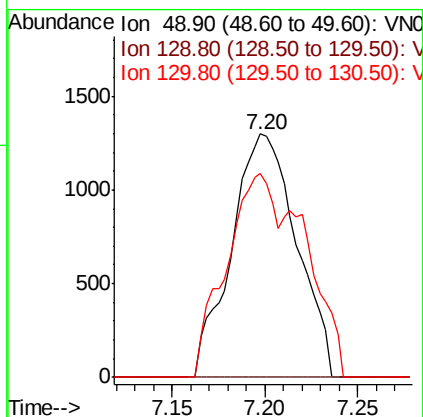
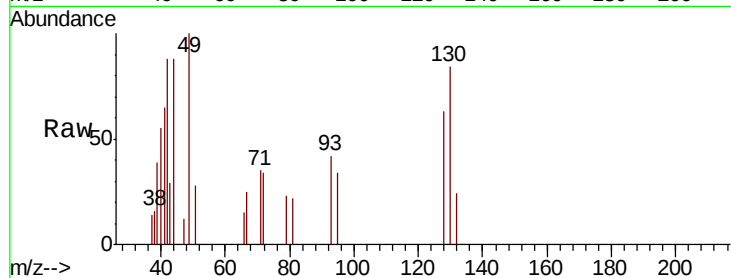
49 100

129 0.0 0.0 5.4

130 63.2 97.0 145.6#

Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:02 AM



#29

Tetrahydrofuran

Concen: 5.749 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

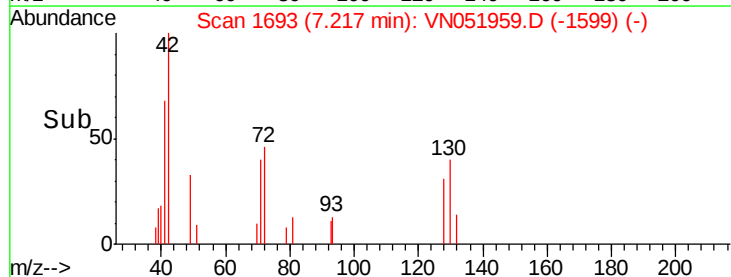
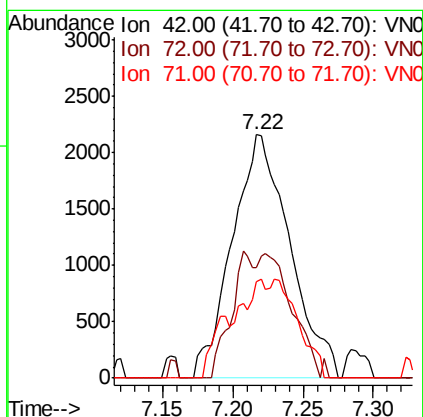
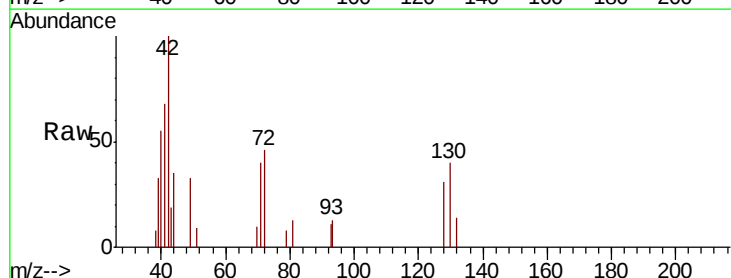
Tgt Ion: 42 Resp: 6169

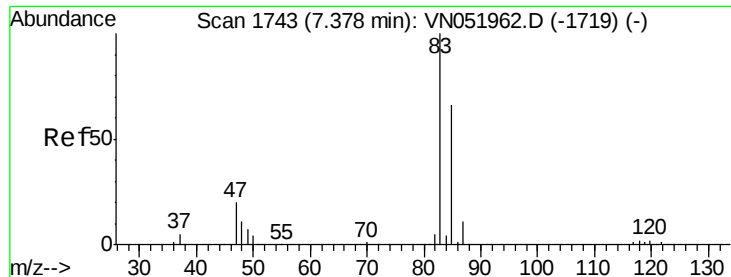
Ion Ratio Lower Upper

42 100

72 19.3 47.5 71.3#

71 7.2 45.4 68.2#





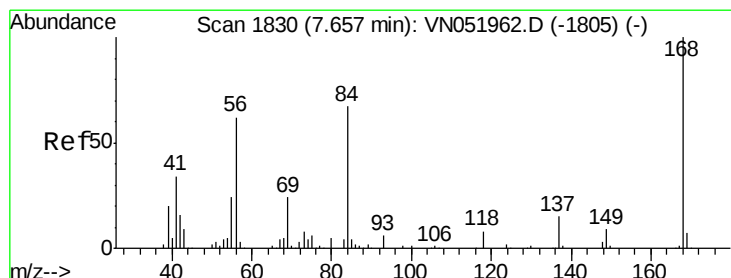
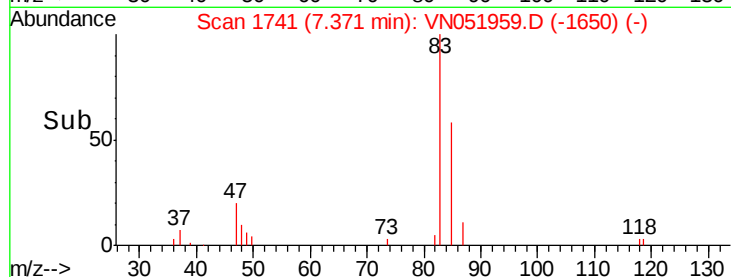
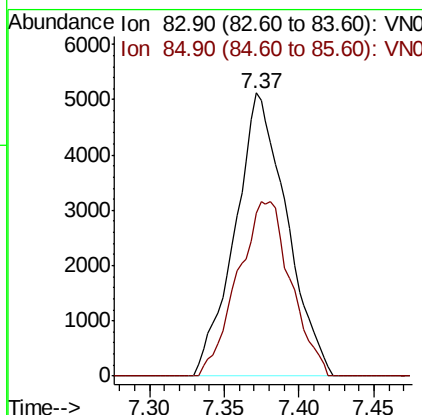
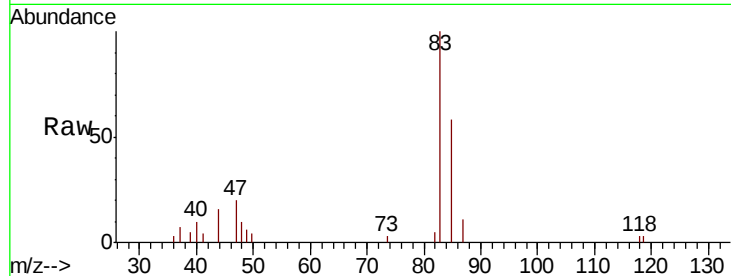
#30
Chloroform
Concen: 1.029 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	12312
Ion Ratio	100	Lower	Upper
83	100		
85	57.6	52.8	79.2

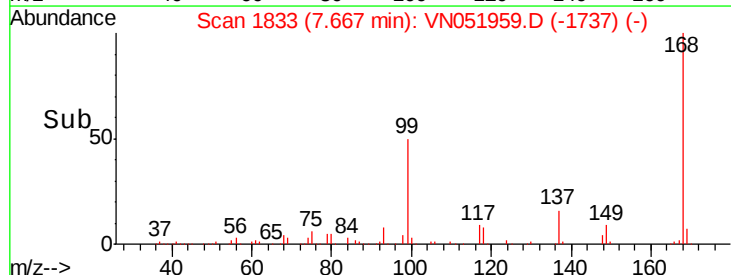
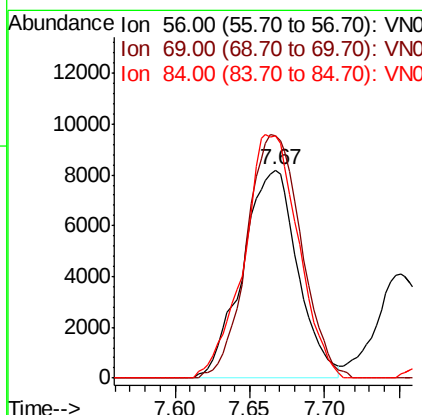
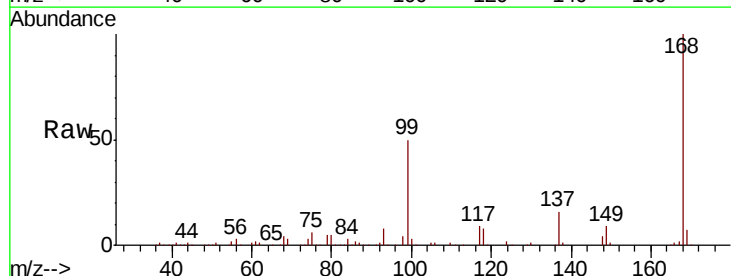
Manual Integrations
APPROVED

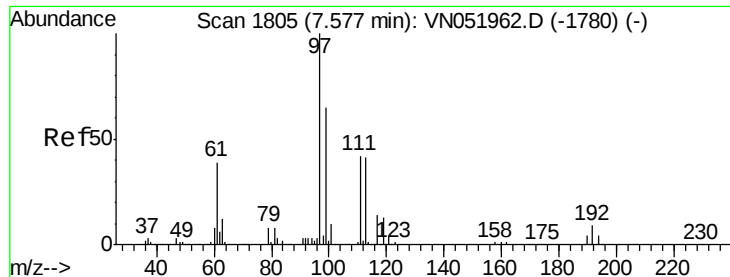
MMDadoda
10/24/2018 10:09:02 AM



#31
Cyclohexane
Concen: 1.989 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion	56	Resp	20992
Ion Ratio	100	Lower	Upper
56	100		
69	116.6	31.2	46.8#
84	116.7	86.3	129.5





#32

1,1,1-Trichloroethane

Concen: 0.976 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 10677

Ion Ratio Lower Upper

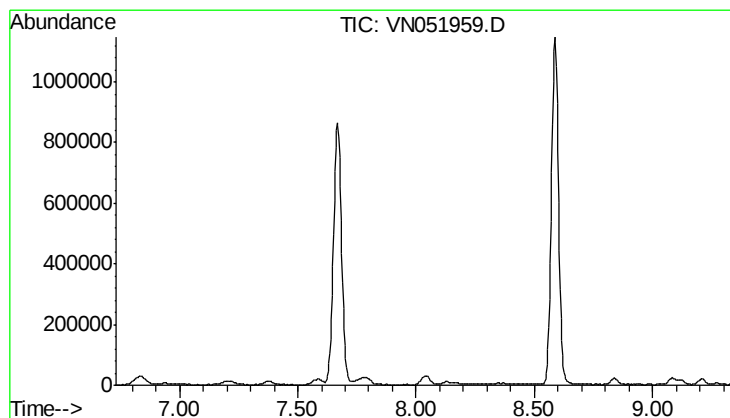
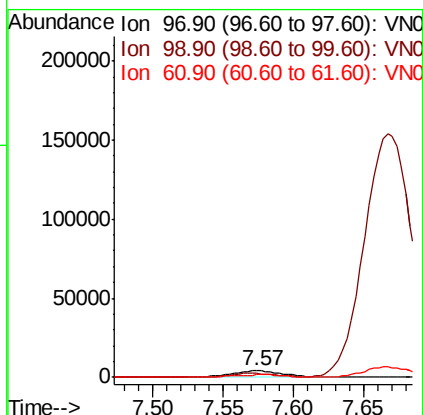
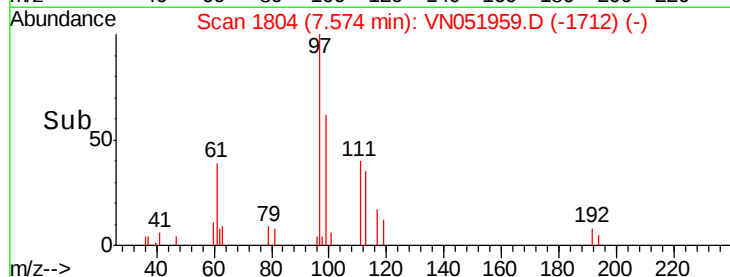
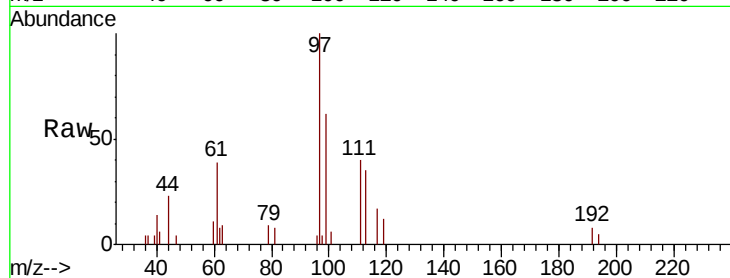
97 100

99 0.0 51.5 77.3#

61 37.5 30.1 45.1

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10/24/2018 10:09:02 AM



#33

1,2-Dichloroethane-d4

Concen: 0.976 ug/l

Expected RT: 8.03 min

Lab File: VN051959.D

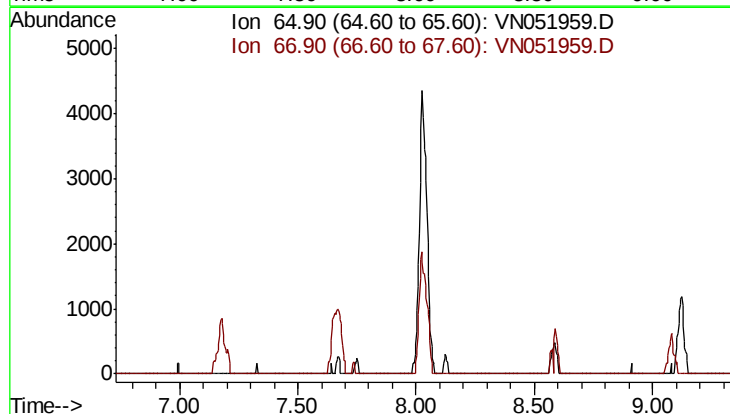
Acq: 23 Oct 2018 12:38

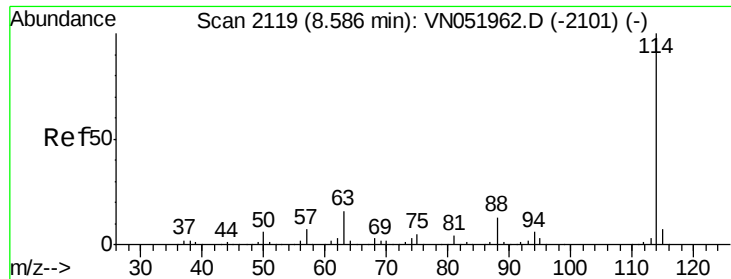
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.9





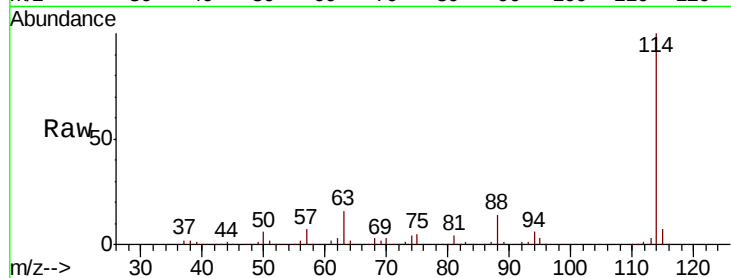
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

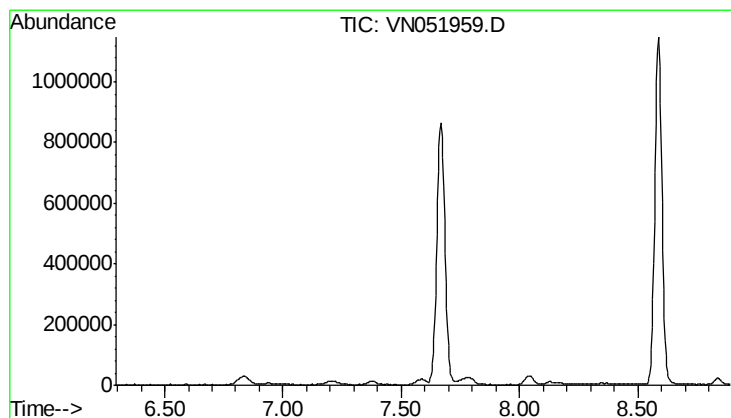
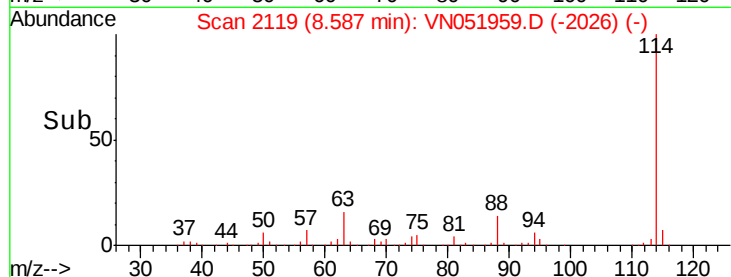
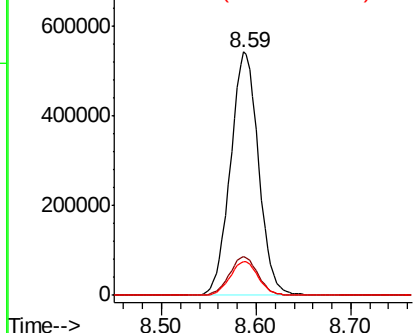
Tot Ion	Ratio	Lower	Upper
114	100		
63	16.0	0.0	31.2
88	13.8	0.0	27.0

Manual Integrations
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MMDadoda
 10/24/2018 10:09:02 AM

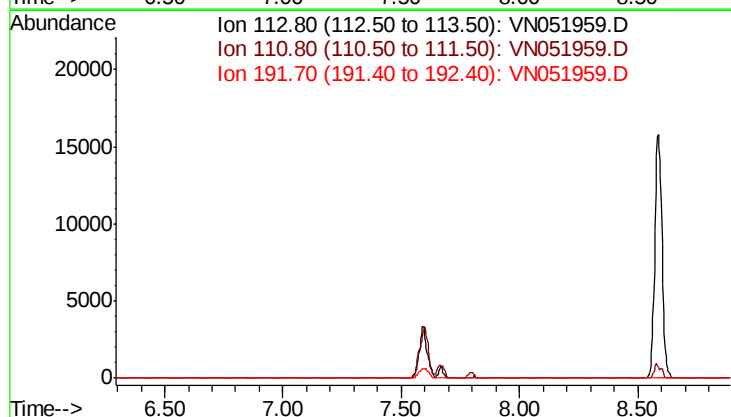


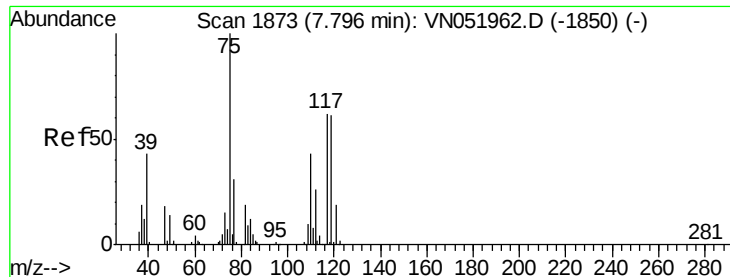
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion	Exp Ratio
113	100
111	100.9
192	21.5





#36

1,1-Dichloropropene

Concen: 1.033 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

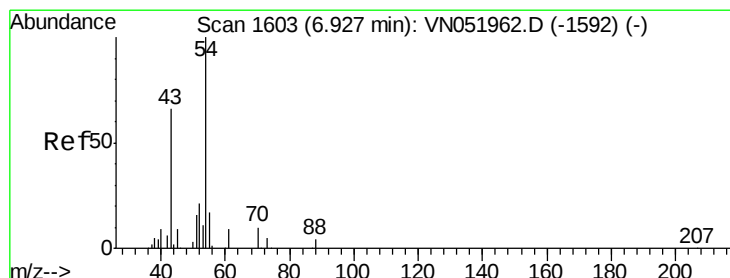
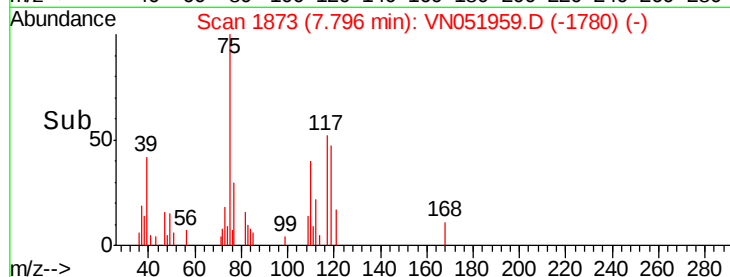
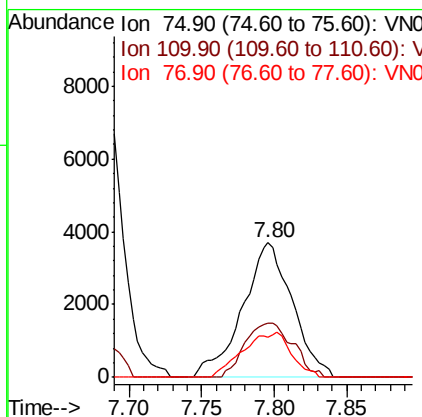
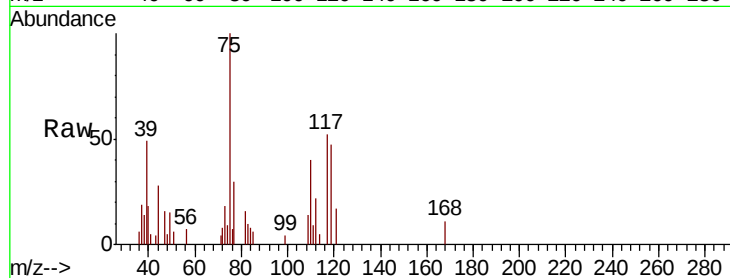
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	8840
Ion	Ratio	Lower	Upper
75	100		
110	38.8	20.9	62.8
77	32.5	24.9	37.3

Manual Integrations
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#37

Ethyl Acetate

Concen: 0.599 ug/l

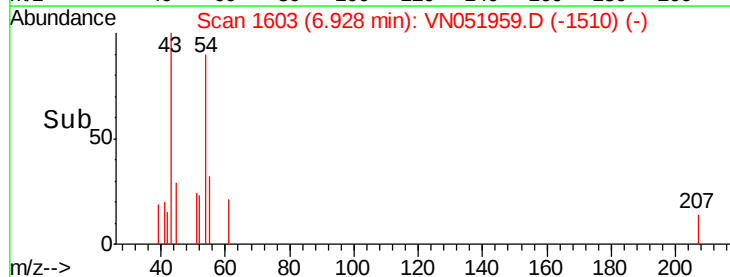
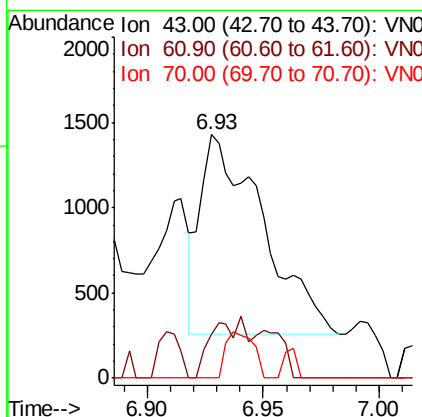
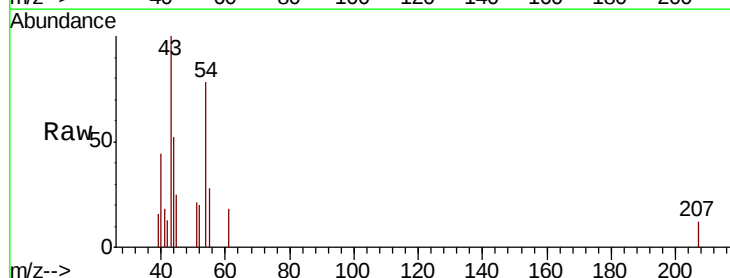
RT: 6.93 min Scan# 1603

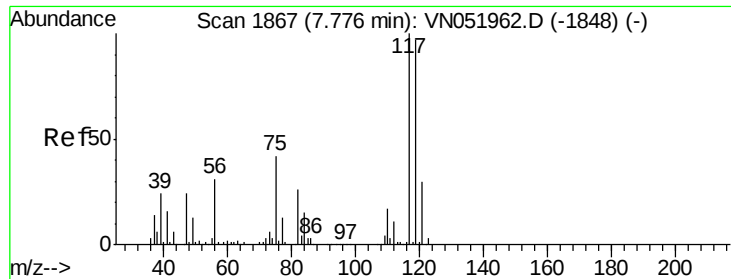
Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Tgt Ion:	43	Resp:	2192
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.5	20.3#
70	10.1	9.8	14.6





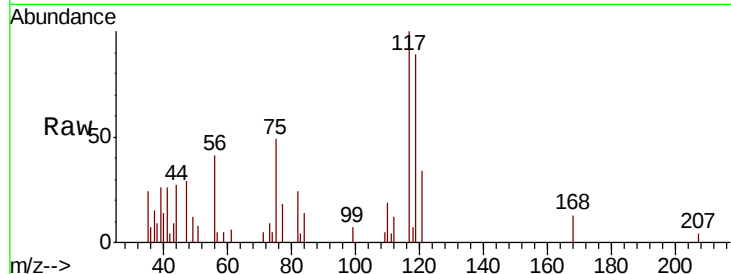
#38
Carbon Tetrachloride
Concen: 0.925 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.6	77.4	116.0
121	33.8	24.2	36.4

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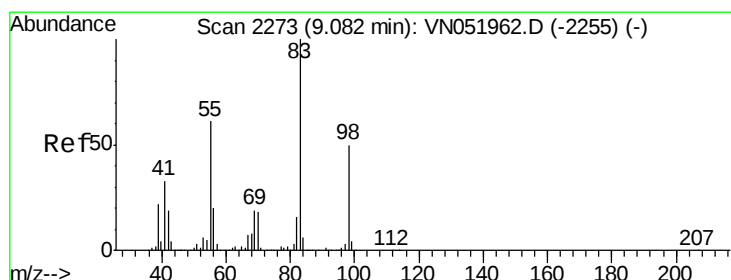
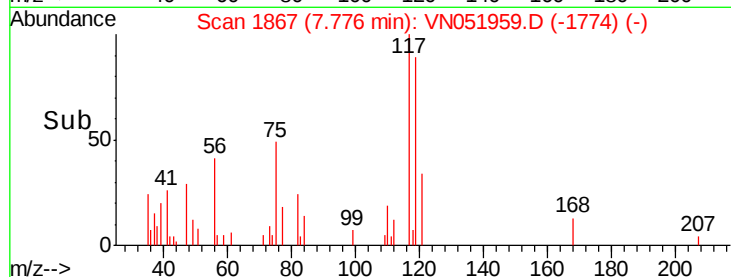
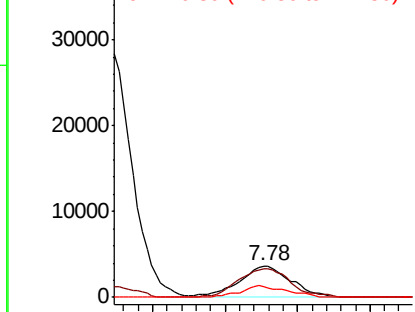


Abundance

Ion 116.80 (116.50 to 117.50): V

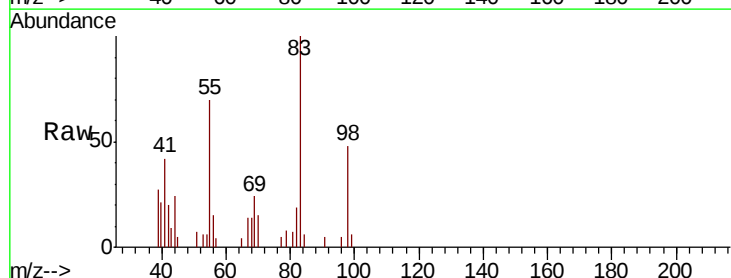
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39
Methylcyclohexane
Concen: 0.940 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.2	48.9	73.3
98	48.3	40.2	60.2

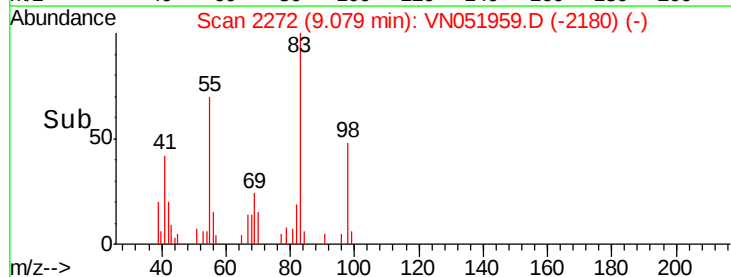
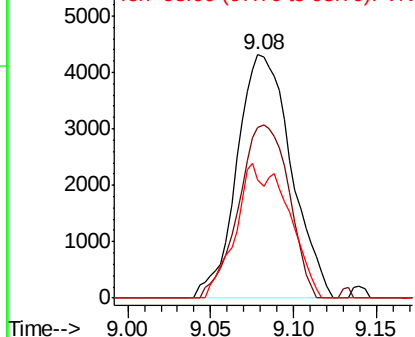


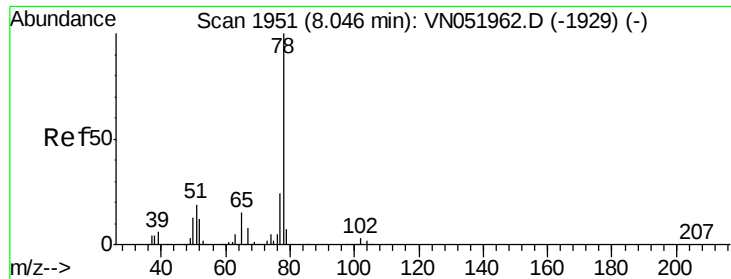
Abundance

Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





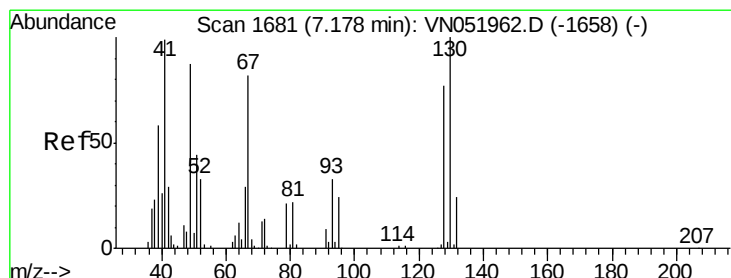
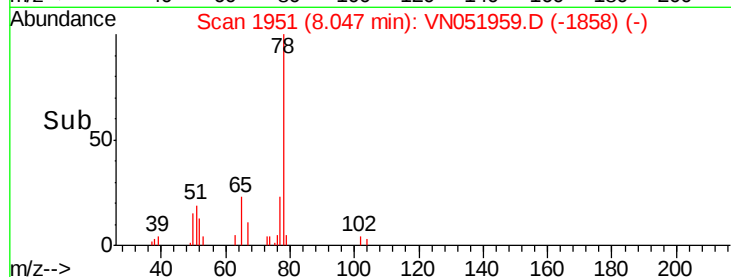
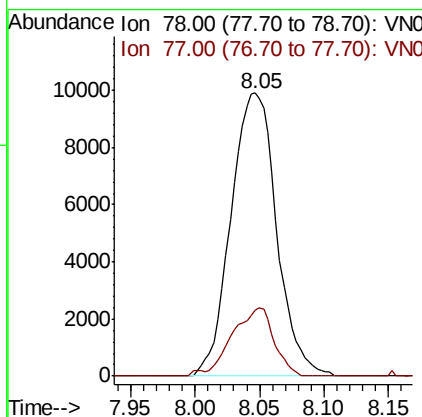
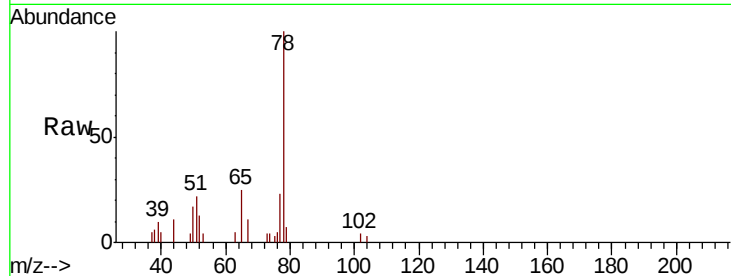
#40
Benzene
Concen: 0.959 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.0

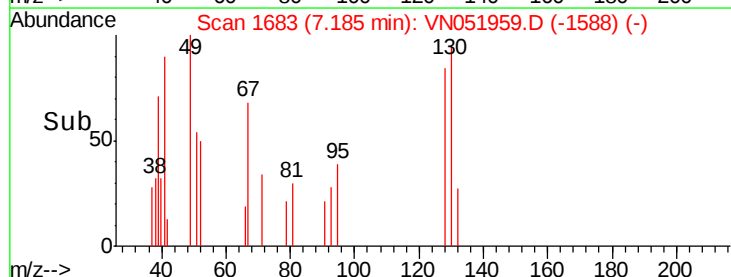
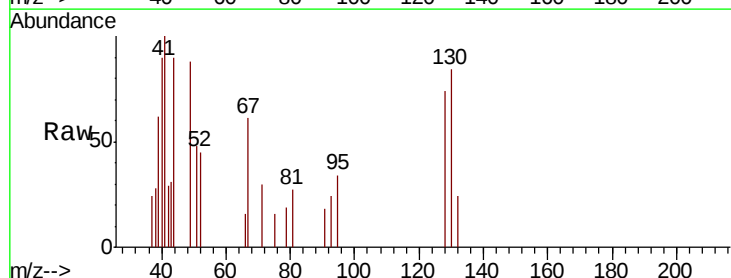
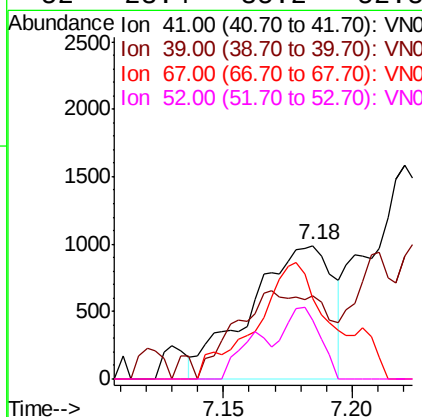
Manual Integrations
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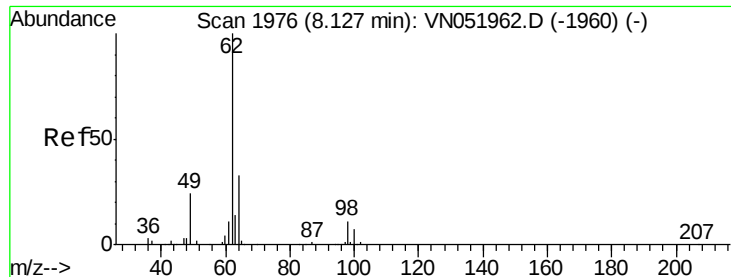
MMDadoda
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#41
Methacrylonitrile
Concen: 1.139 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.1	79.7#
67	82.3	93.8	140.6#
52	23.4	35.2	52.8#





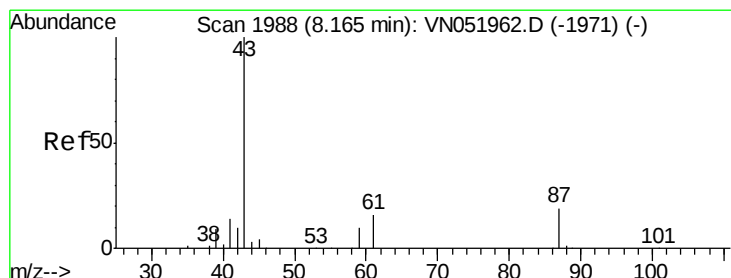
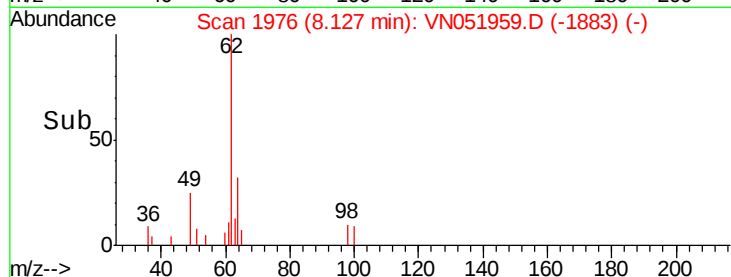
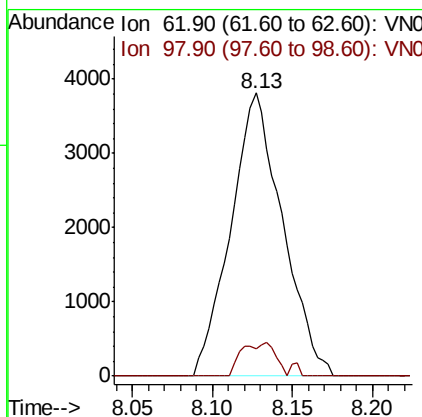
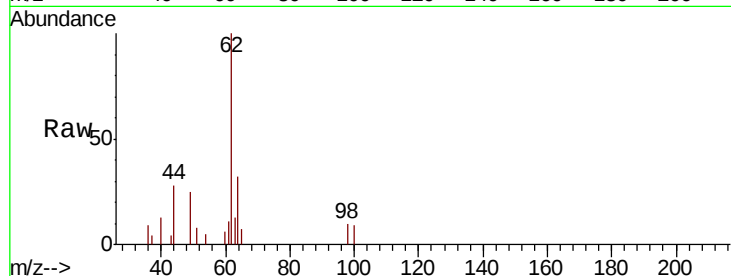
#42
 1,2-Dichloroethane
 Concen: 1.035 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	8432		
98	7.6		0.0	20.6

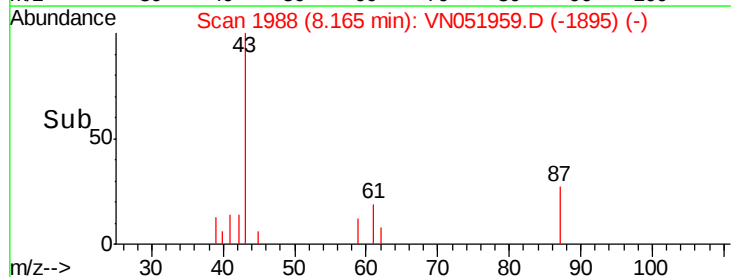
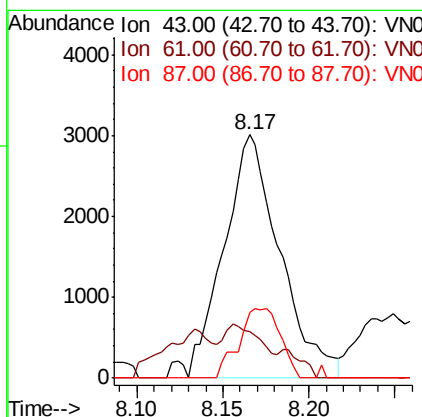
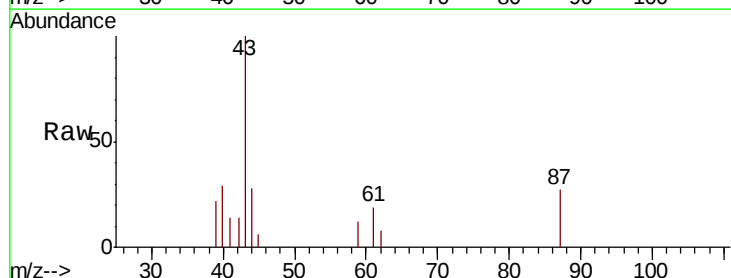
Manual Integrations
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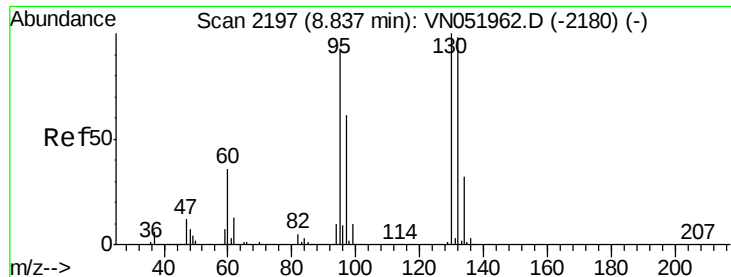
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#43
 Isopropyl Acetate
 Concen: 0.949 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	6803		
61	8.3		17.2	25.8#
87	21.1		15.2	22.8





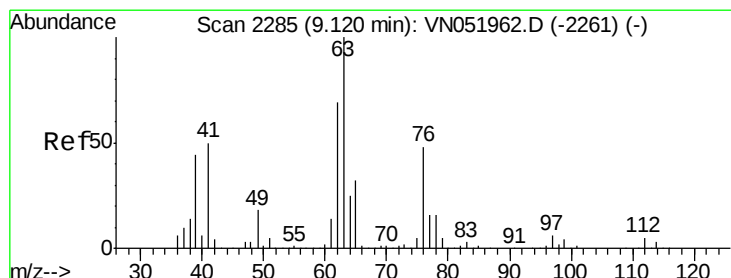
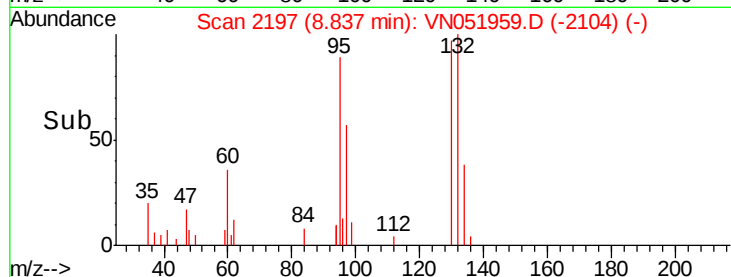
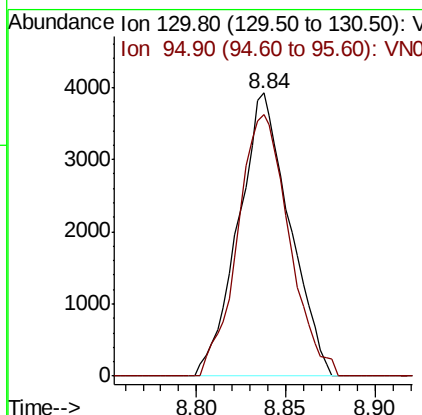
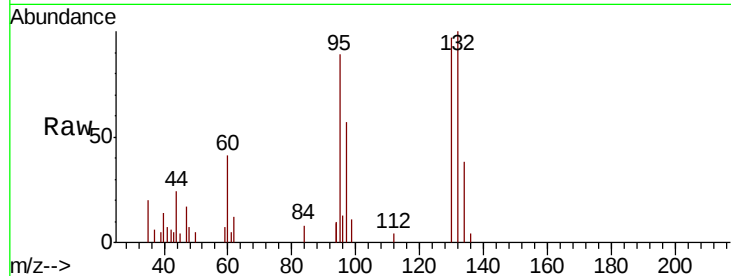
#44
 Trichloroethene
 Concen: 0.963 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 7857
 Ion Ratio Lower Upper
 130 100
 95 92.4 0.0 185.2

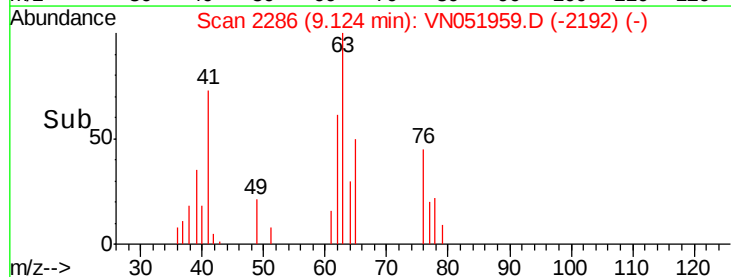
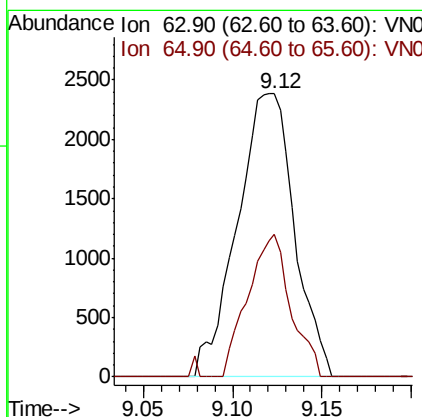
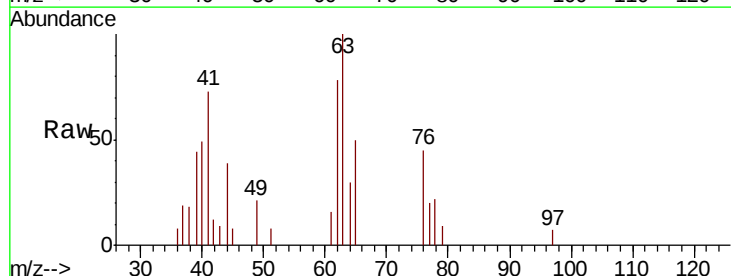
Manual Integrations
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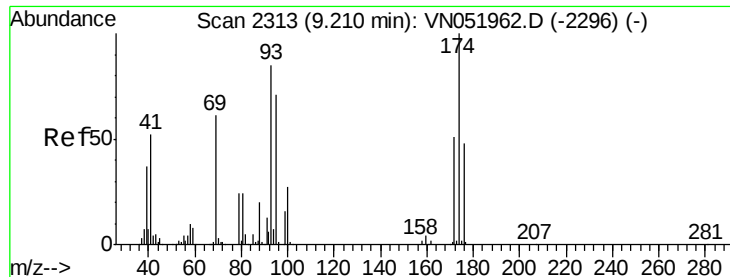
MMDadoda
 10/24/2018 10:09:02 AM



#45
 1,2-Dichloropropane
 Concen: 0.928 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion: 63 Resp: 5335
 Ion Ratio Lower Upper
 63 100
 65 50.2 25.8 38.6#





#46

Dibromomethane

Concen: 0.979 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 93 Resp: 4539

Ion Ratio Lower Upper

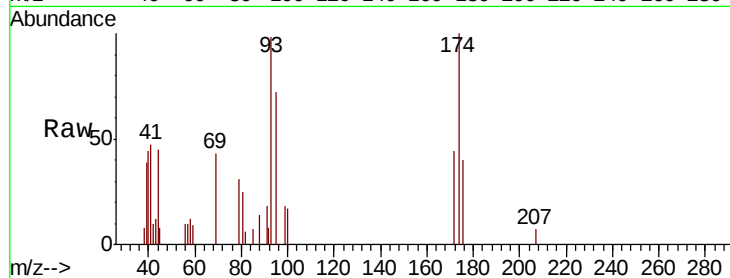
93 100

95 81.1 66.7 100.1

174 124.7 93.8 140.6

Manual Integrations
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MMDadoda
10/24/2018 10:09:02 AM

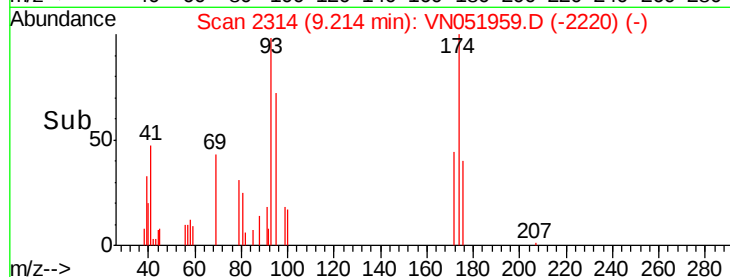


Abundance Ion 92.80 (92.50 to 93.50): VN051962.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN051962.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN051962.D (-2296) (-)

Time-->

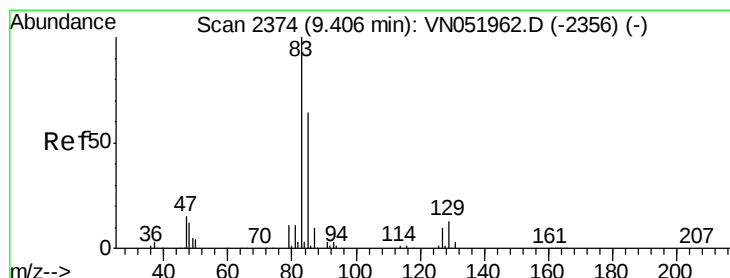


Abundance Ion 92.80 (92.50 to 93.50): VN051959.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN051959.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN051959.D (-2220) (-)

Time-->



#47

Bromodichloromethane

Concen: 0.959 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

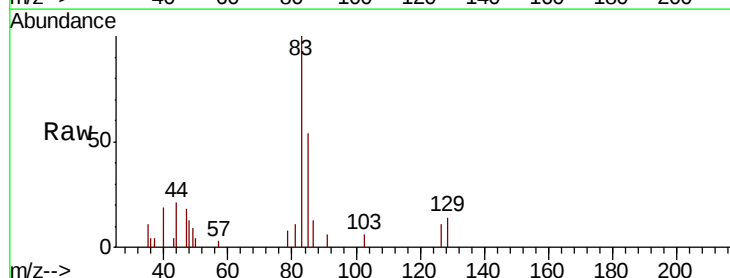
Tgt Ion: 83 Resp: 8395

Ion Ratio Lower Upper

83 100

85 54.3 51.0 76.4

127 11.1 7.8 11.8

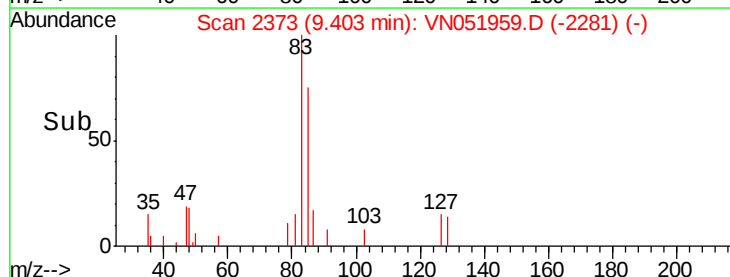


Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051962.D (-2356) (-)

Time-->

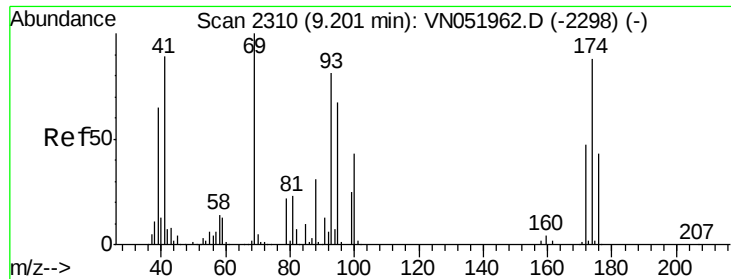


Abundance Ion 82.90 (82.60 to 83.60): VN051959.D (-2281) (-)

Ion 84.90 (84.60 to 85.60): VN051959.D (-2281) (-)

Ion 126.80 (126.50 to 127.50): VN051959.D (-2281) (-)

Time-->



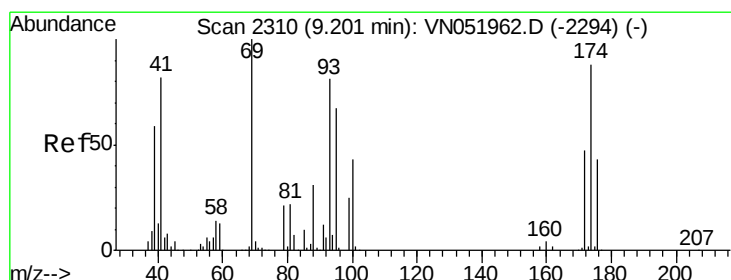
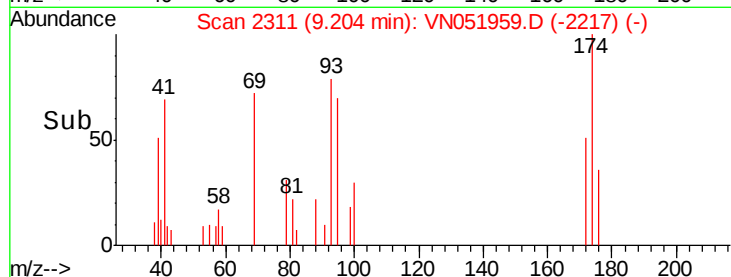
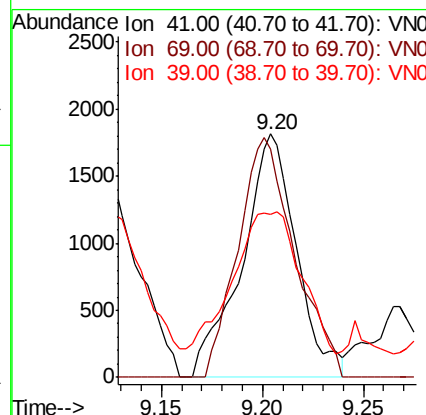
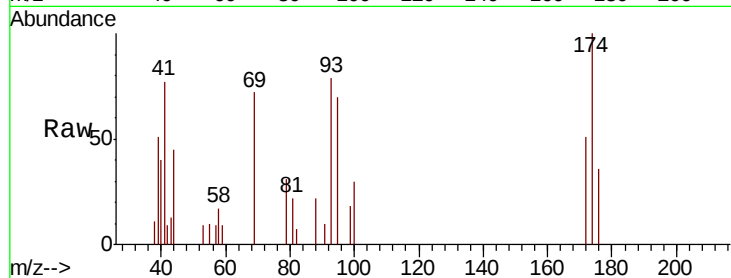
#48
Methvl methacrylate
Concen: 0.988 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	102.4	92.2	138.4
39	77.5	60.2	90.4

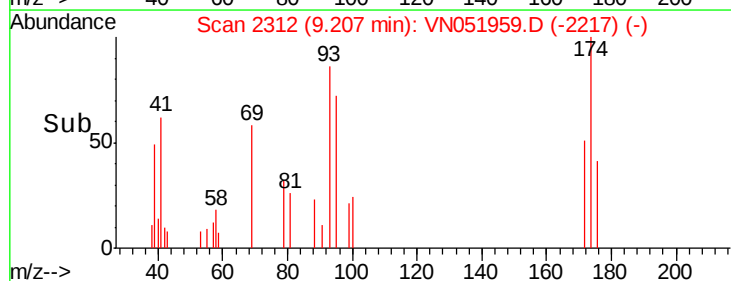
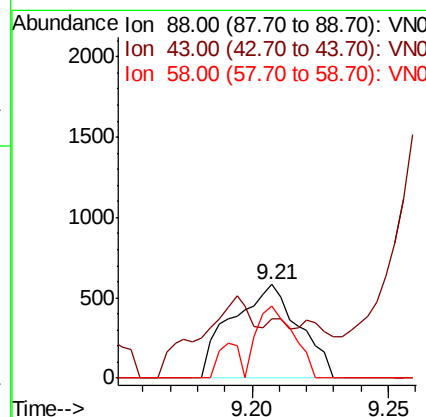
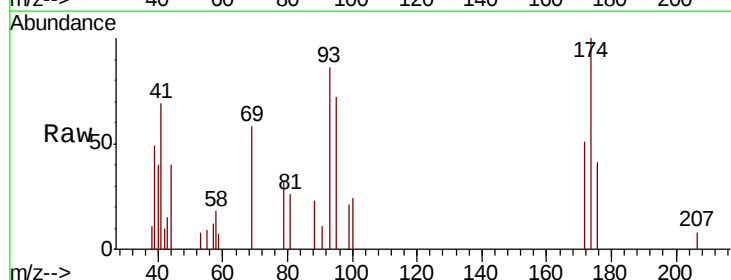
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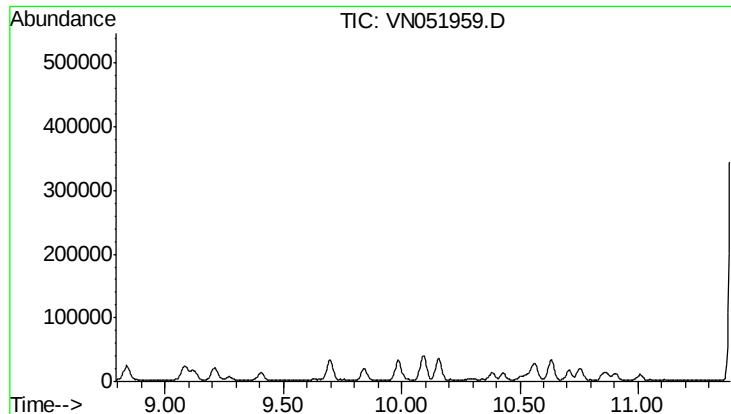
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#49
1,4-Dioxane
Concen: 15.627 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.8	28.2#
58	42.3	39.8	59.6





#50
Toluene-d8
Concen: 15.627 ug/l
Expected RT: 10.09 min

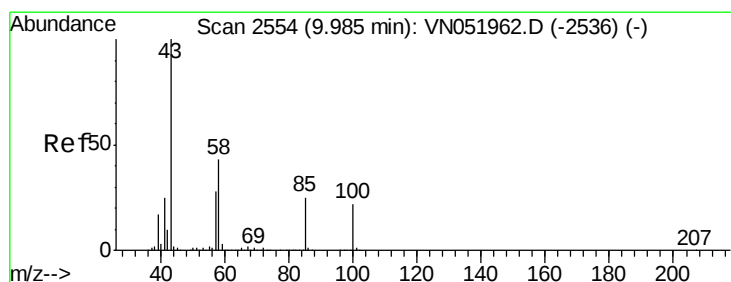
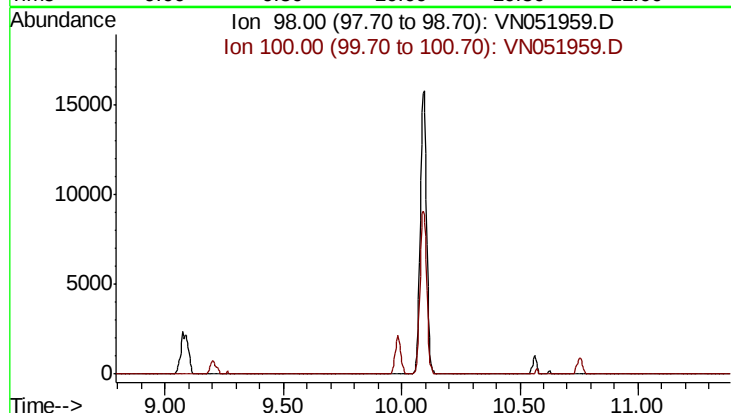
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.4

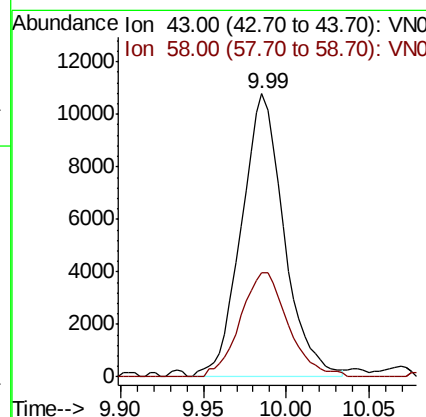
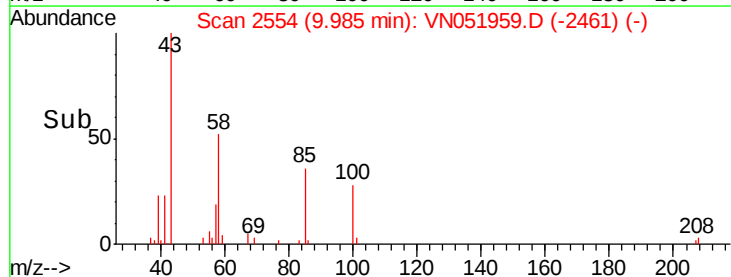
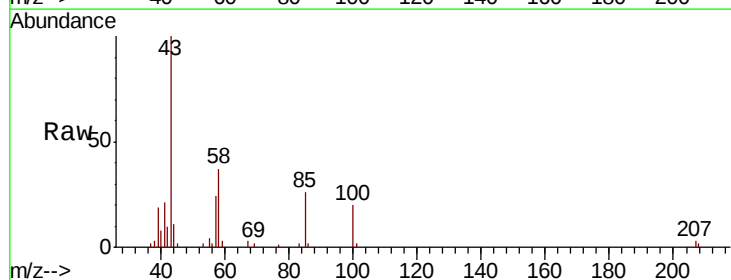
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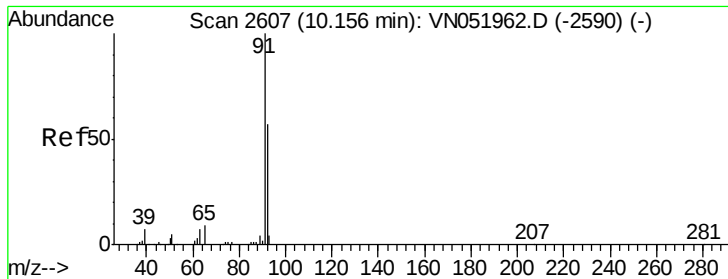
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#51
4-Methyl-2-Pentanone
Concen: 4.908 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion: 43 Resp: 19354
Ion Ratio Lower Upper
43 100
58 41.3 34.8 52.2





#52

Toluene

Concen: 0.896 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 15447

Ion Ratio Lower Upper

92 100

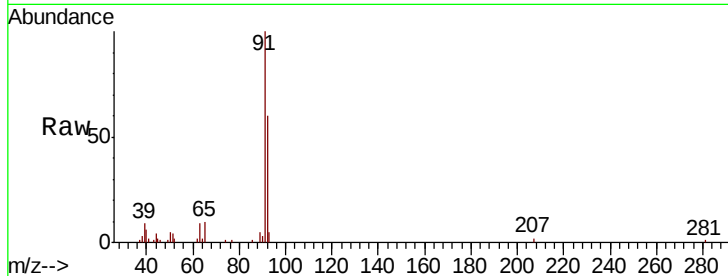
91 176.5 139.8 209.6

Manual Integrations

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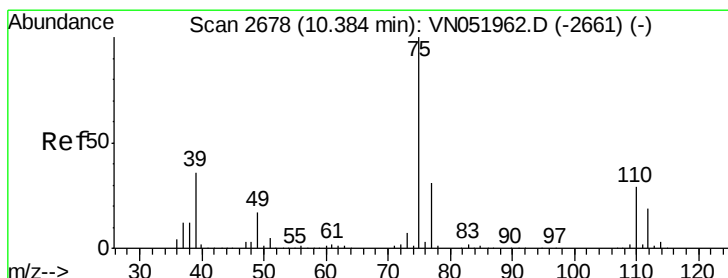
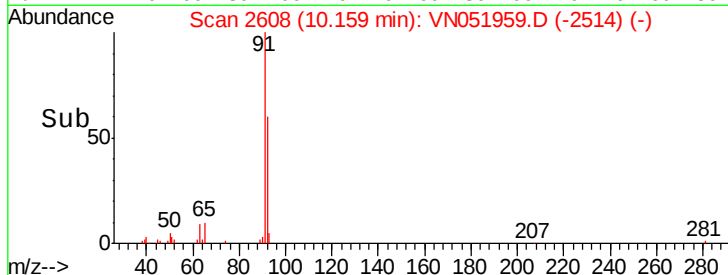
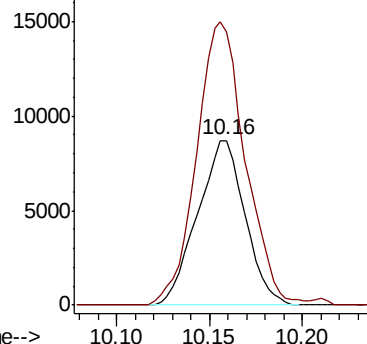
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.760 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051959.D

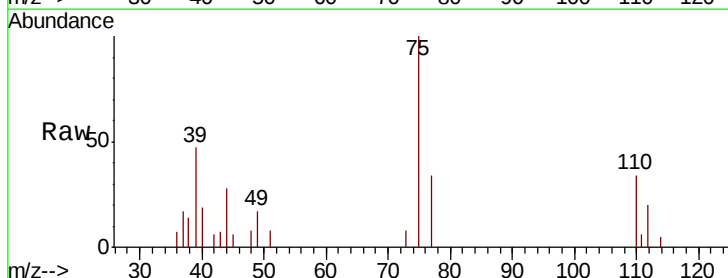
Acq: 23 Oct 2018 12:38

Tgt Ion: 75 Resp: 6095

Ion Ratio Lower Upper

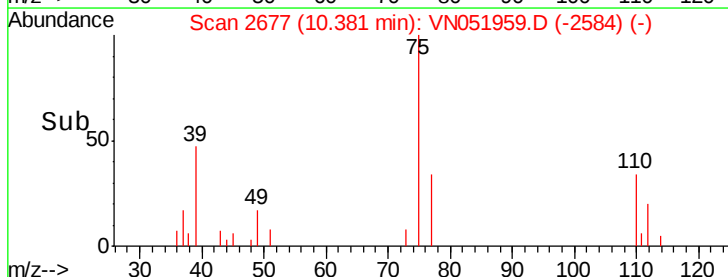
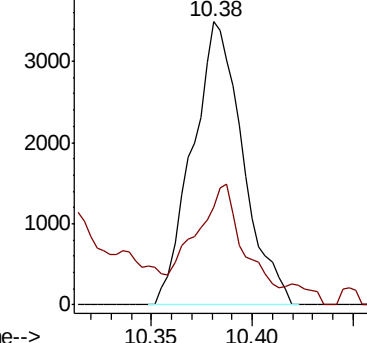
75 100

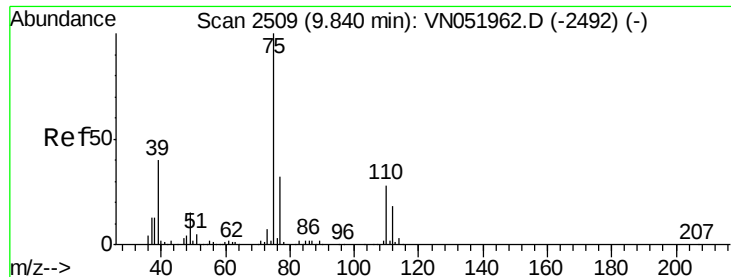
77 27.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.814 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

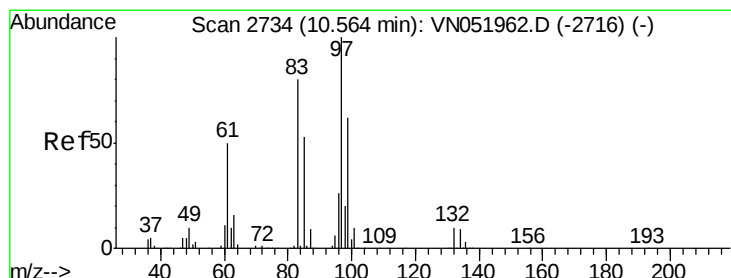
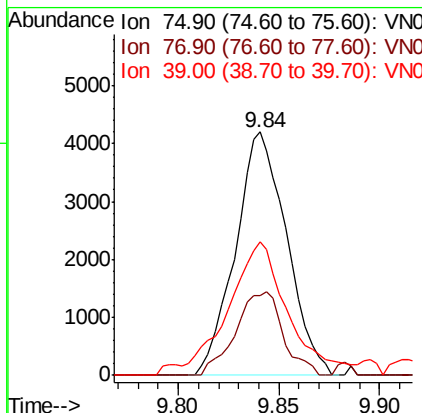
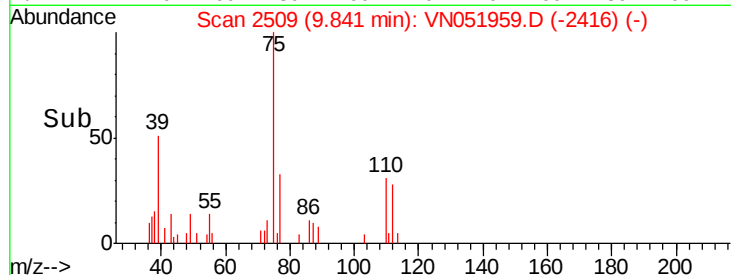
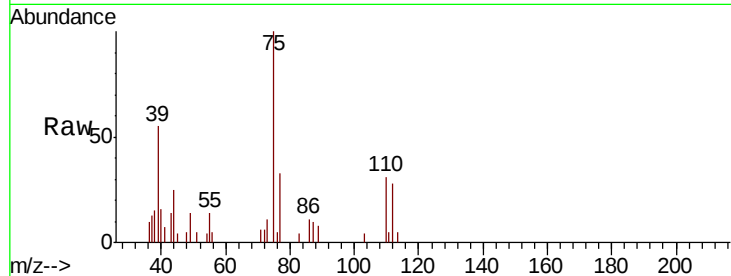
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	7445
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.2	37.8
39	49.7	32.0	48.0#

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#55

1,1,2-Trichloroethane

Concen: 0.945 ug/l

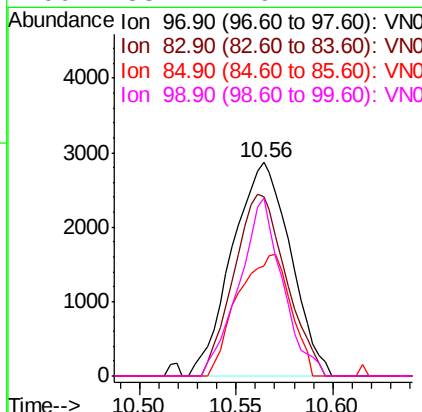
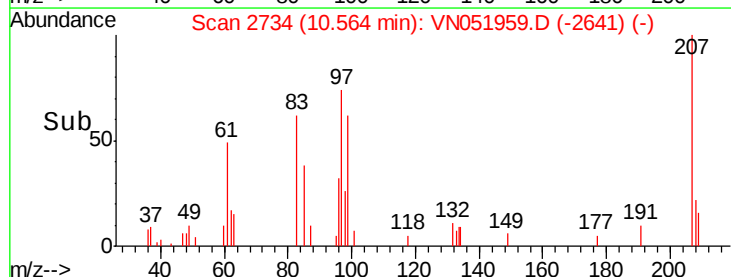
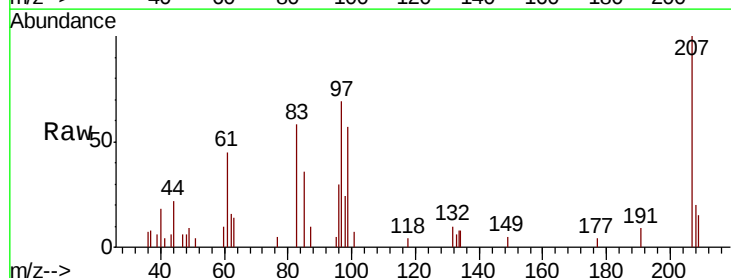
RT: 10.56 min Scan# 2734

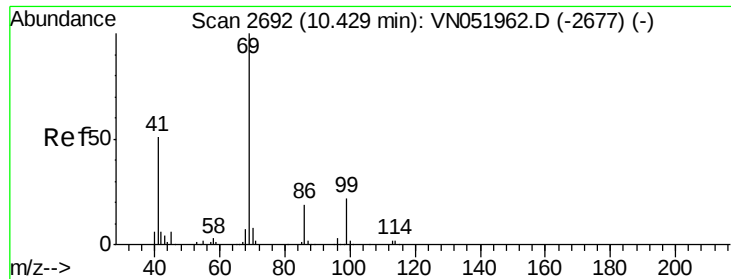
Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Tgt Ion:	97	Resp:	6019
Ion	Ratio	Lower	Upper
97	100		
83	83.8	64.0	96.0
85	51.5	42.4	63.6
99	83.2	49.4	74.2#





#56

Ethyl methacrylate

Concen: 0.843 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

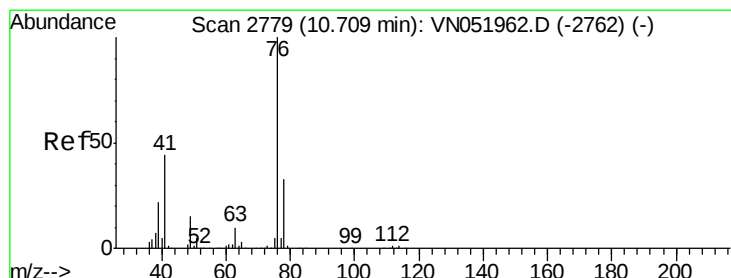
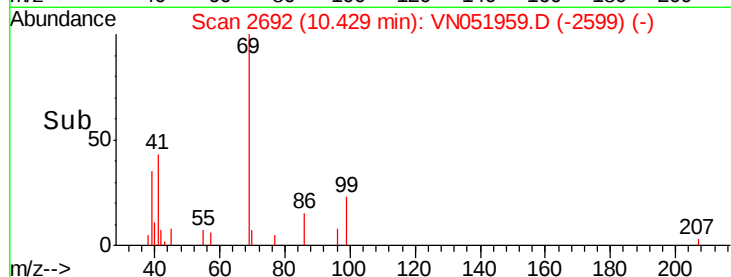
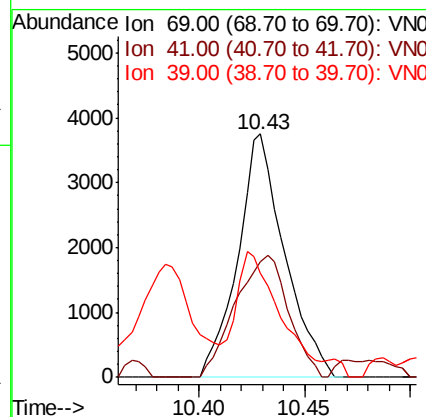
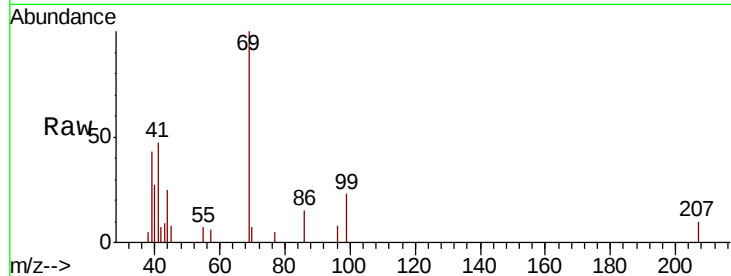
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	5768
Ion	Ratio	Lower	Upper
69	100		
41	57.0	40.7	61.1
39	37.7	29.3	43.9

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#57

1,3-Dichloropropane

Concen: 0.996 ug/l

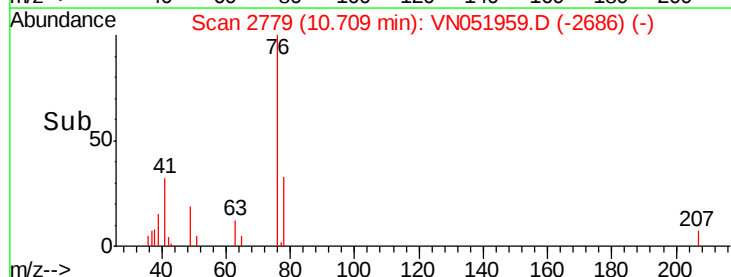
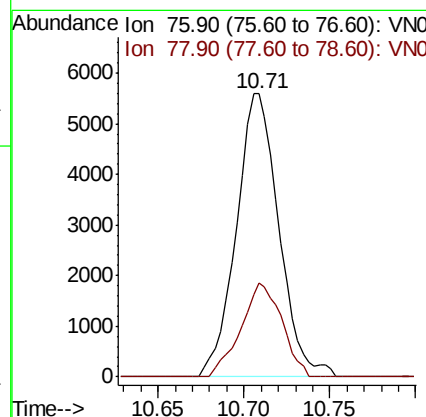
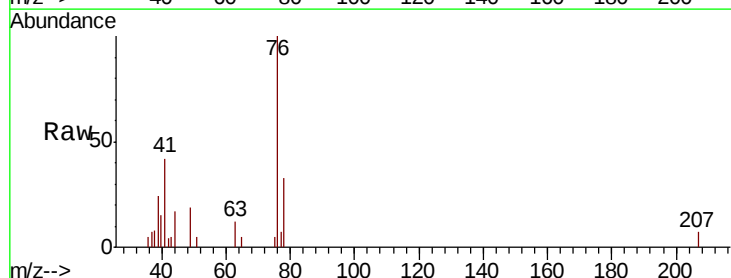
RT: 10.71 min Scan# 2779

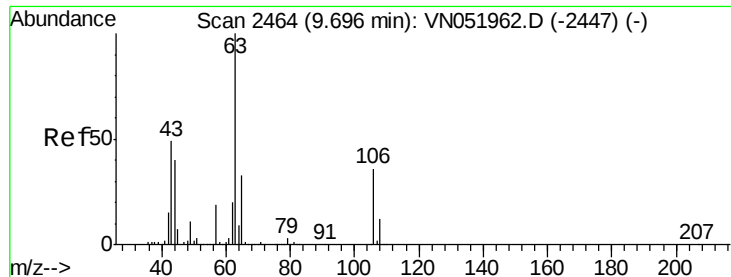
Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Tgt Ion:	76	Resp:	9630
Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.4	39.6





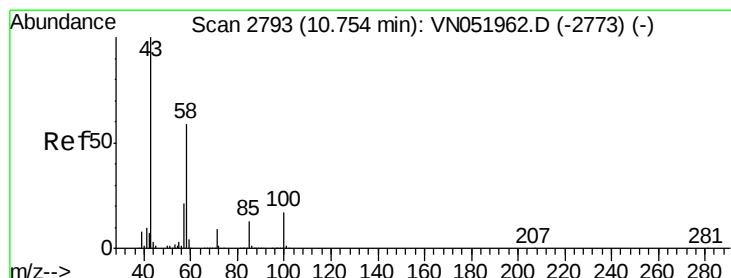
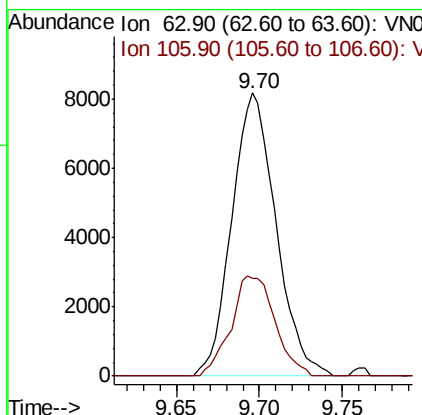
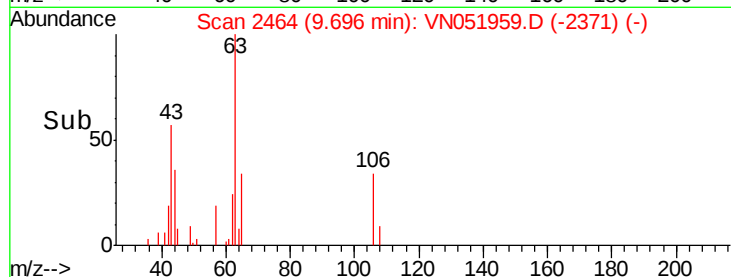
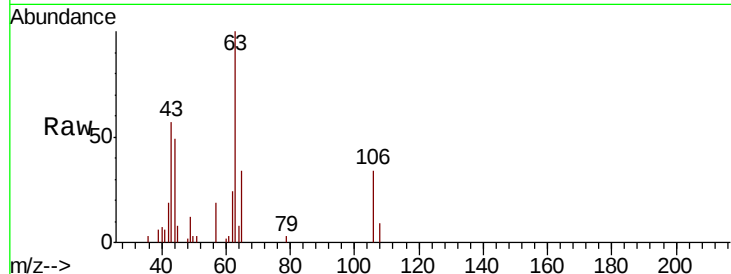
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.230 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 15150
 Ion Ratio Lower Upper
 63 100
 106 35.1 28.3 42.5

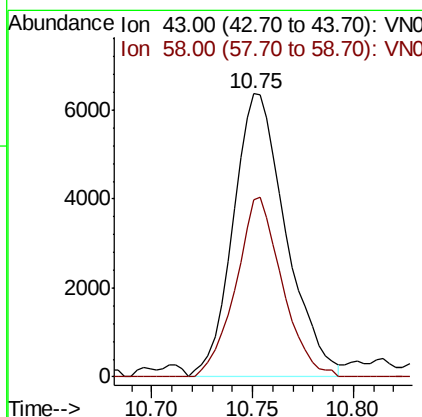
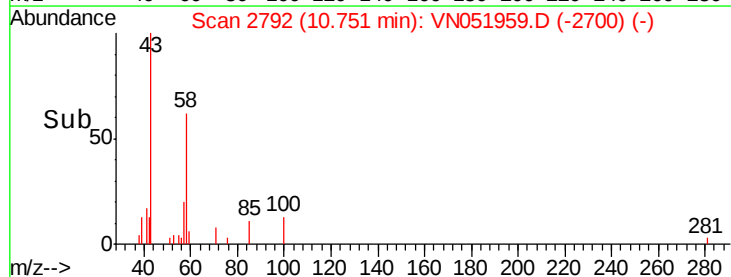
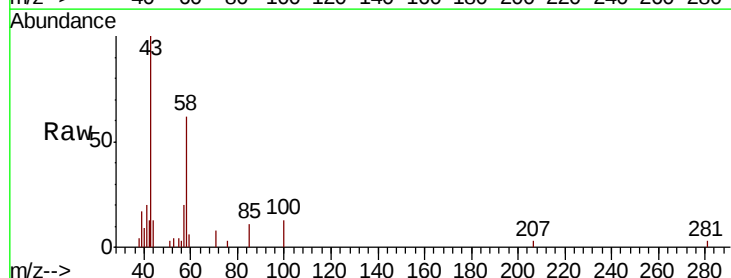
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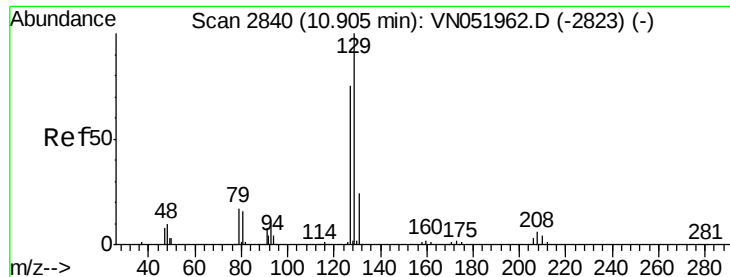
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#59
 2-Hexanone
 Concen: 4.397 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion: 43 Resp: 11651
 Ion Ratio Lower Upper
 43 100
 58 55.8 29.9 89.8





#60

Dibromochloromethane

Concen: 0.776 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.01 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 5537

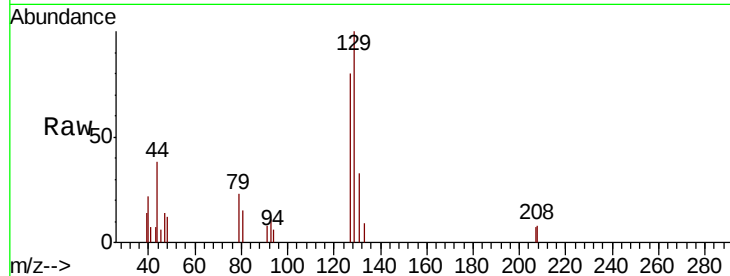
Ion Ratio Lower Upper

129 100

127 77.9 38.0 114.0

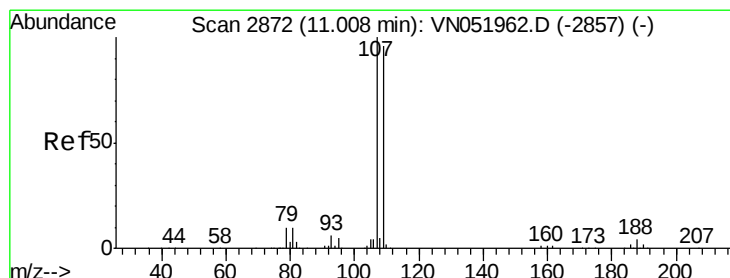
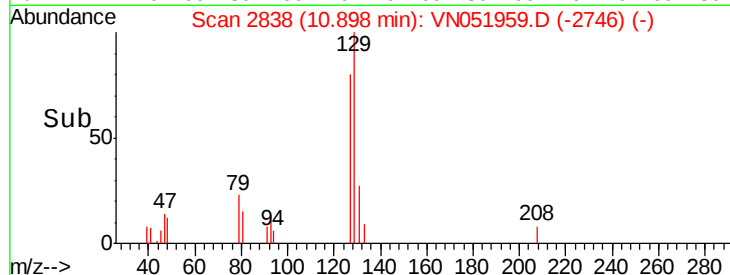
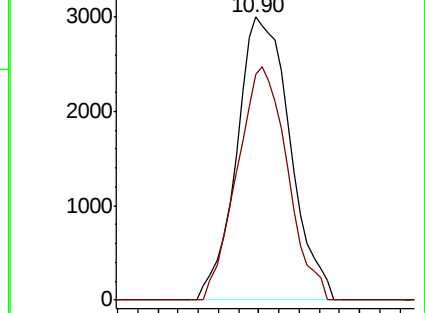
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.879 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051959.D

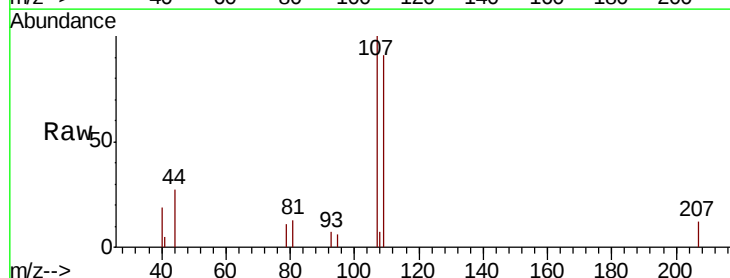
Acq: 23 Oct 2018 12:38

Tgt Ion:107 Resp: 5900

Ion Ratio Lower Upper

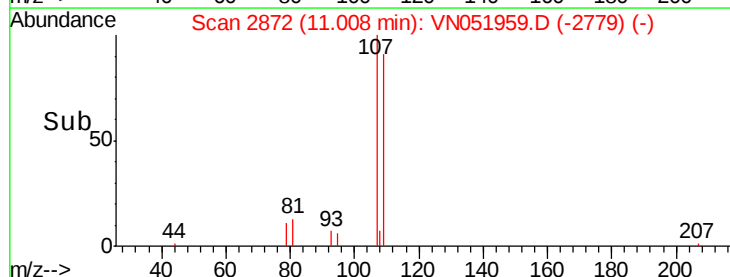
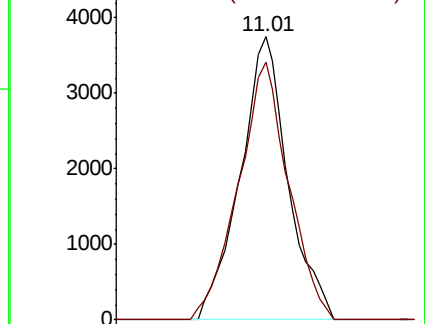
107 100

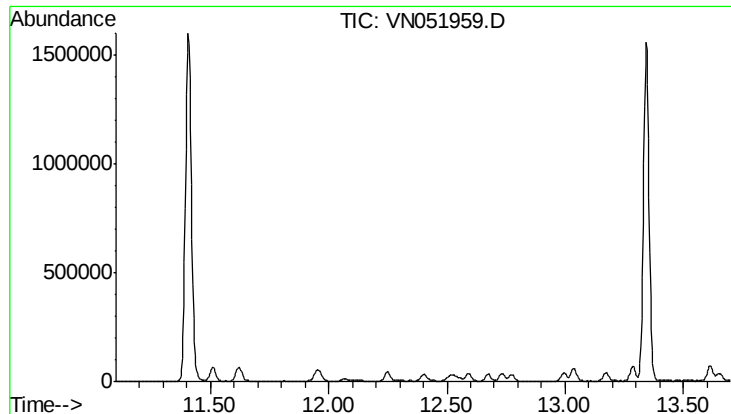
109 95.5 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62
 4-Bromofluorobenzene
 Concen: 0.879 ug/l
 Expected RT: 12.40 min

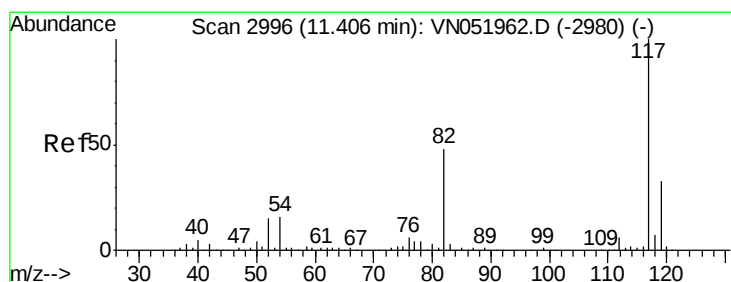
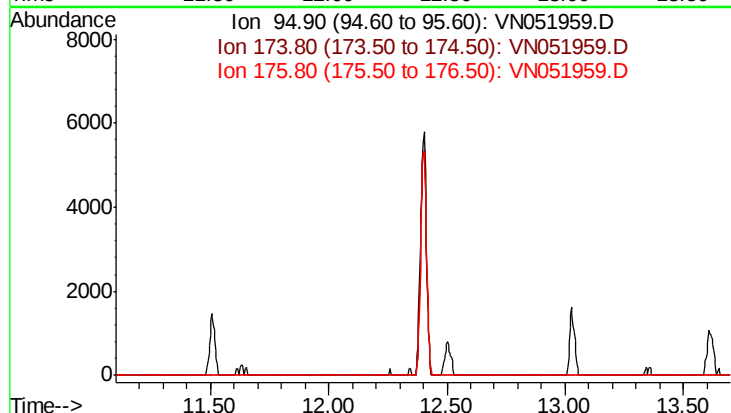
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tot Ion	95
Siq	Exp Ratio
95	100
174	103.0
176	99.0

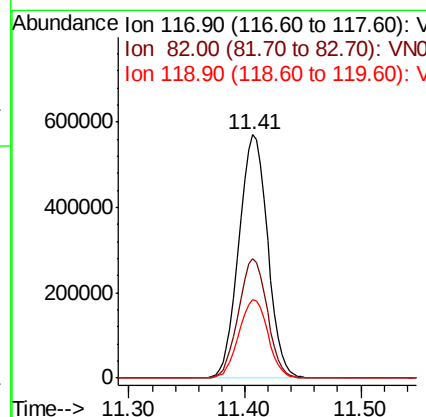
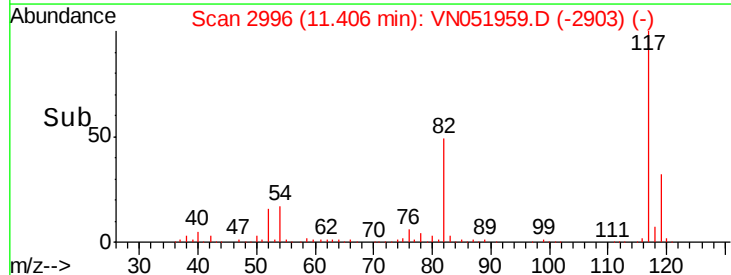
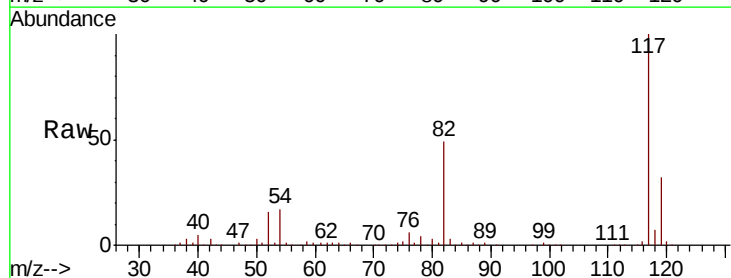
Manual Integrations
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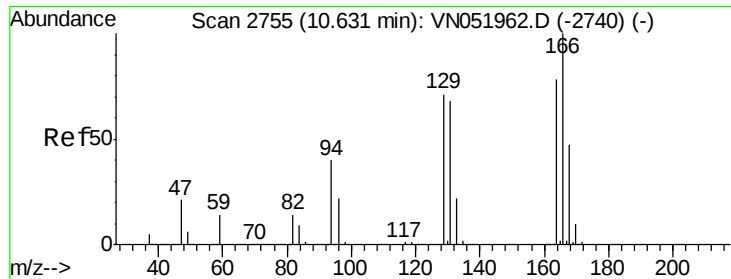
MMDadoda
 10/24/2018 10:09:02 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion	117	Resp	978678
Ion	Ratio	Lower	Upper
117	100		
82	49.2	38.1	57.1
119	32.1	26.4	39.6





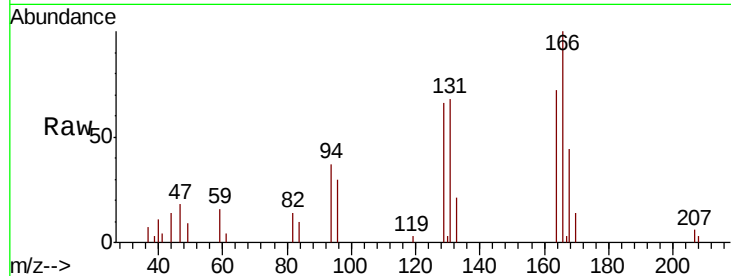
#64
Tetrachloroethene
Concen: 1.019 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	139.8	103.1	154.7
129	92.2	73.6	110.4
131	94.8	70.3	105.5

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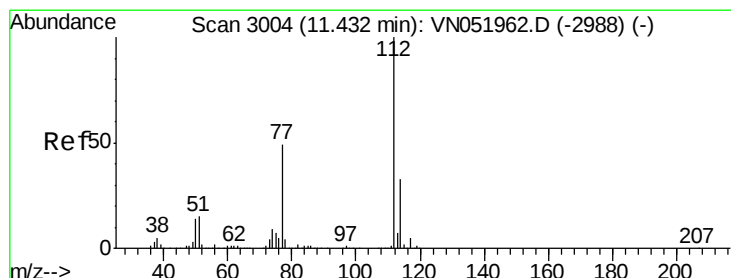
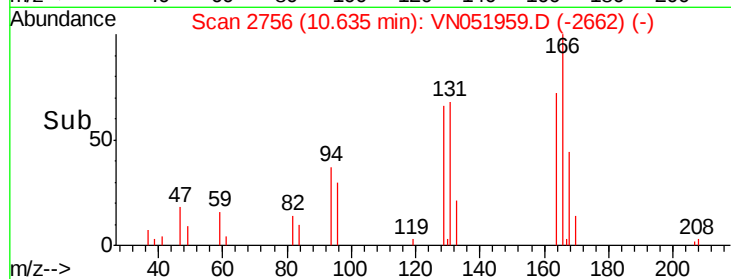
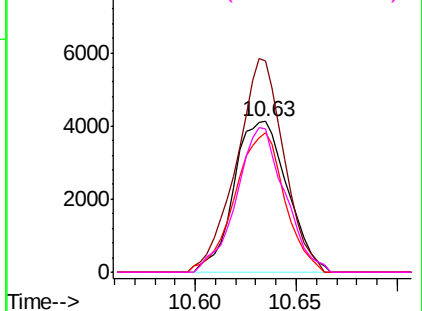
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

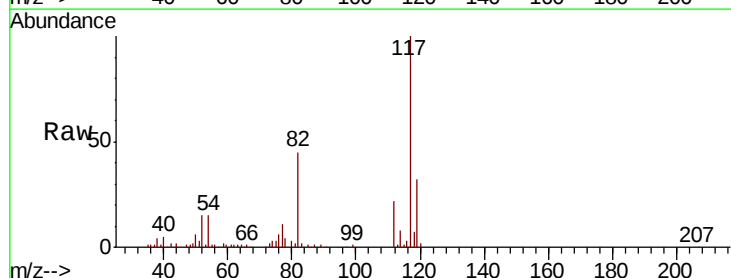
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 0.998 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

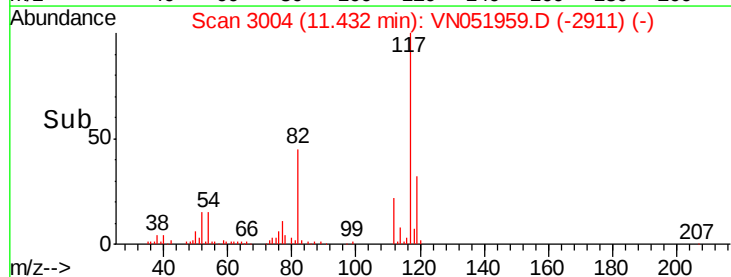
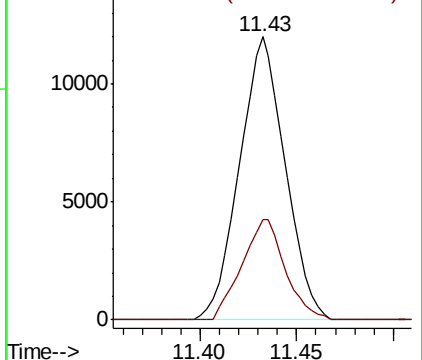
Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.2	26.1	39.1

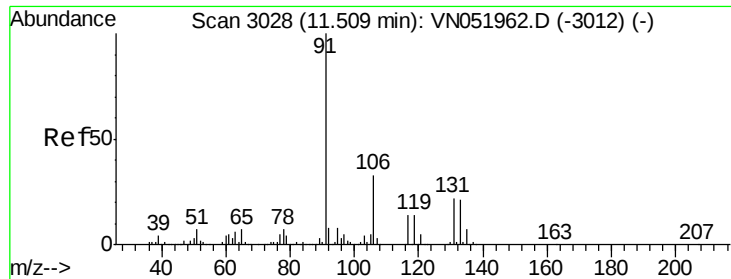


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.888 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

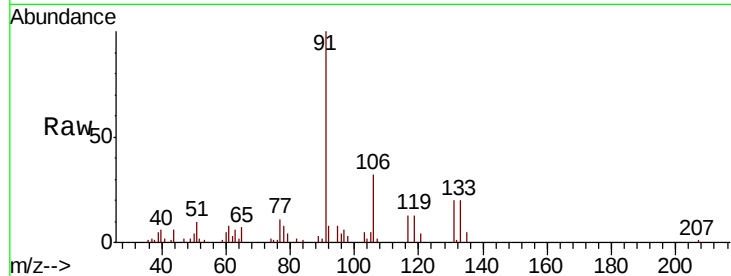
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.1	47.8	143.3
119	0.0	32.0	96.2#

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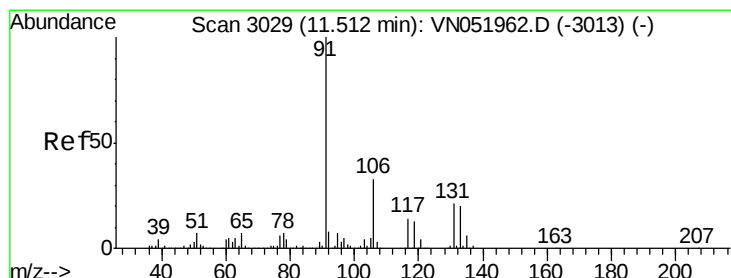
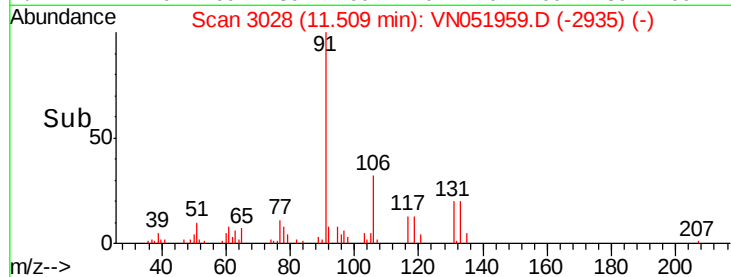
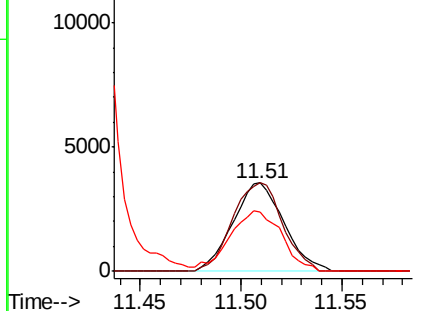
MMDadoda
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.961 ug/l

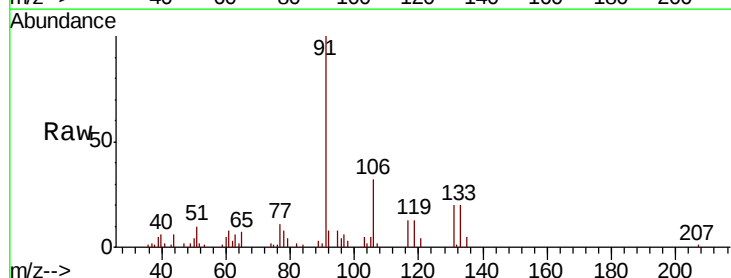
RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051959.D

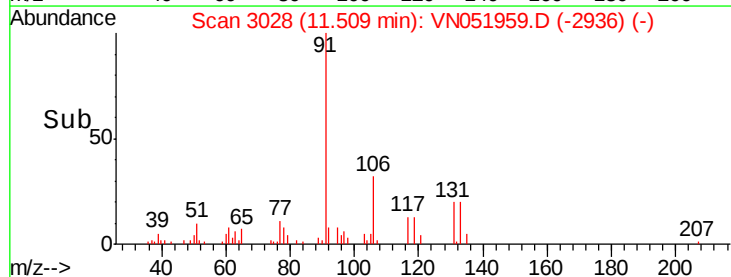
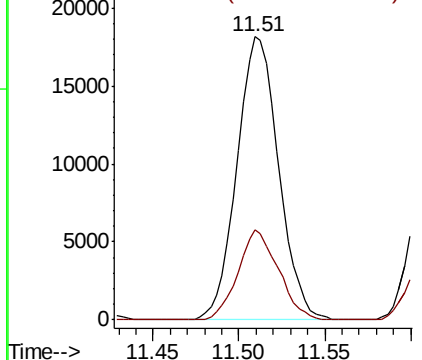
Acq: 23 Oct 2018 12:38

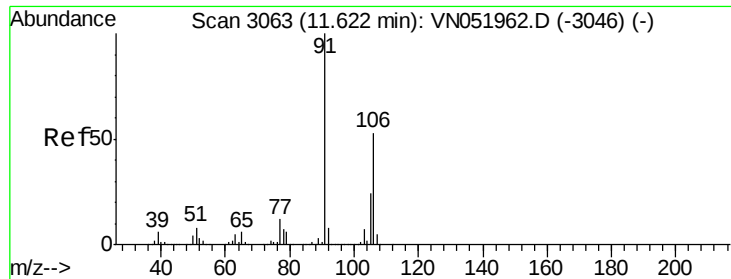
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	26.4	39.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





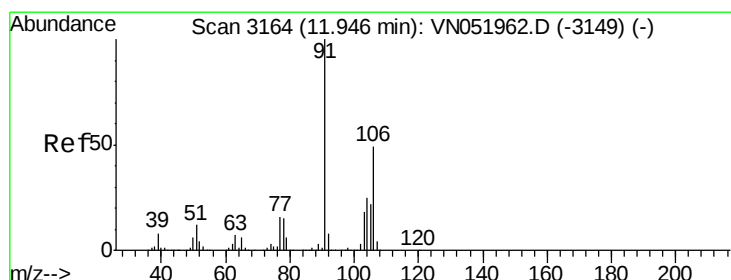
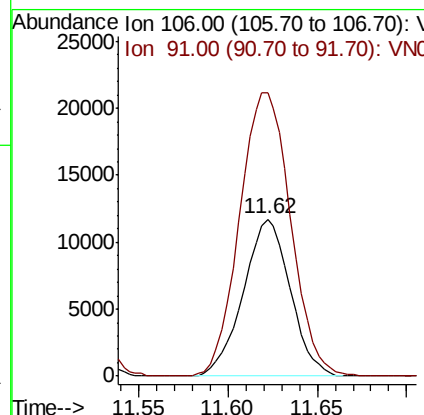
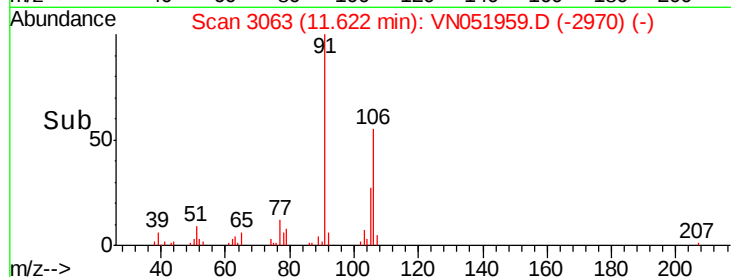
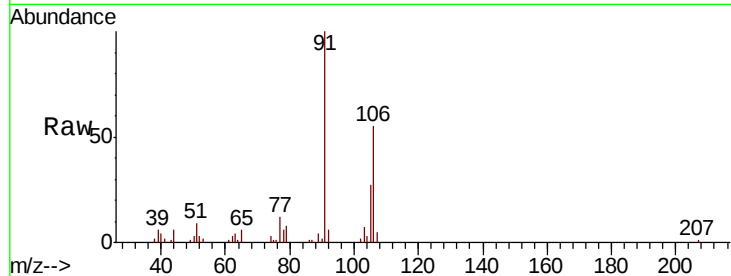
#68
m/p-Xylenes
Concen: 1.691 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 21462
Ion Ratio Lower Upper
106 100
91 196.2 152.2 228.2

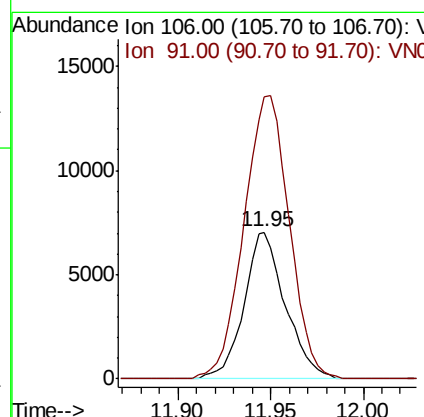
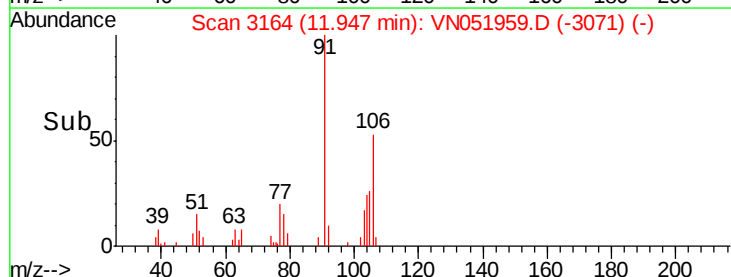
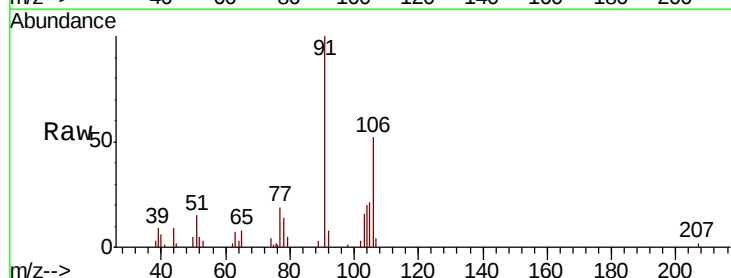
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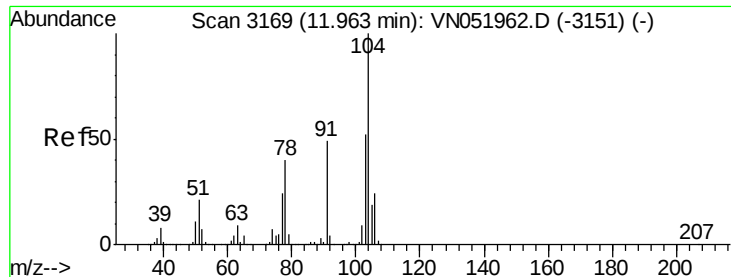
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#69
o-Xylene
Concen: 0.881 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion:106 Resp: 10873
Ion Ratio Lower Upper
106 100
91 212.4 101.0 303.0





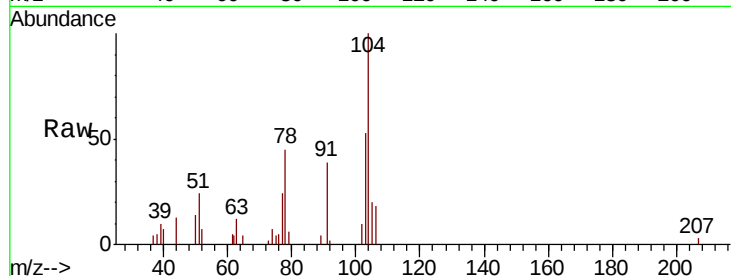
#70
Stvrene
Concen: 0.801 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	35.8	53.6
103	59.7	44.9	67.3

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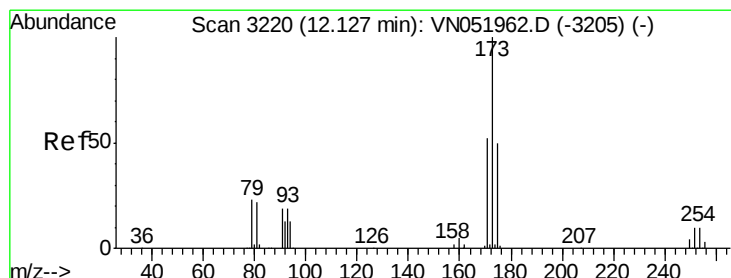
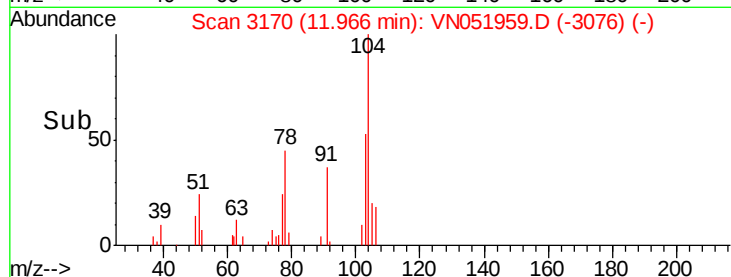
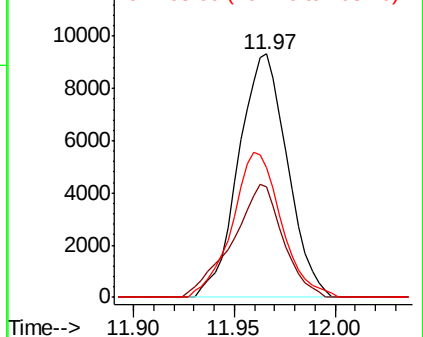


Abundance

Ion 104.00 (103.70 to 104.70): V

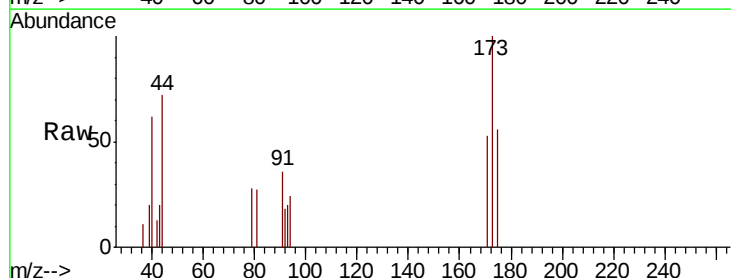
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 0.670 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.0	0.1	0.1#

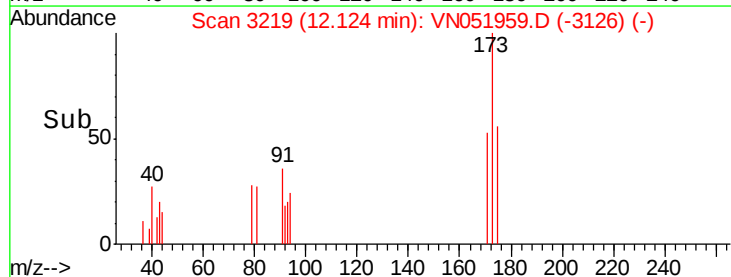
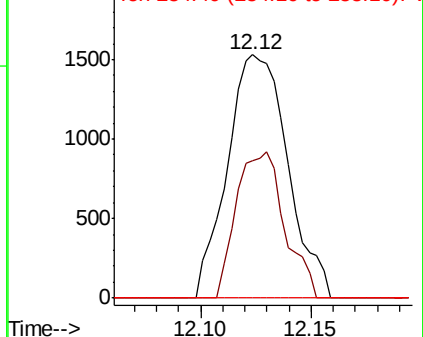


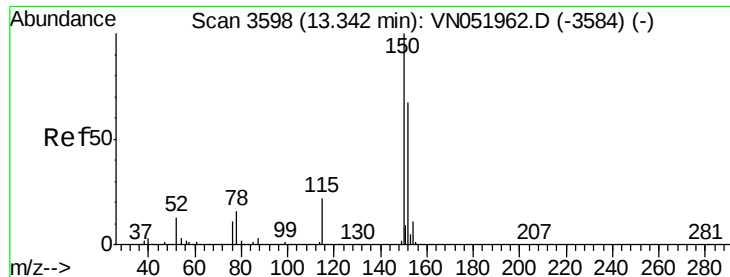
Abundance

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

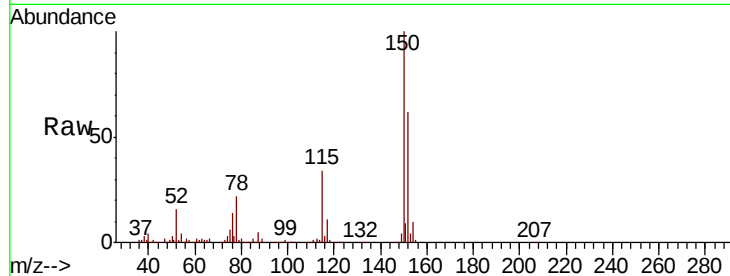
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	445087
Ion Ratio	Lower	Upper	
152	100		
115	53.1	25.8	77.3
150	156.3	0.0	344.4

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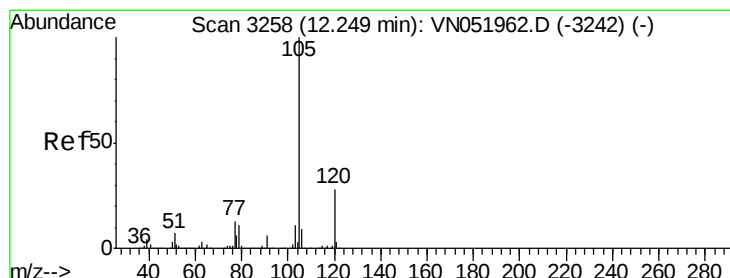
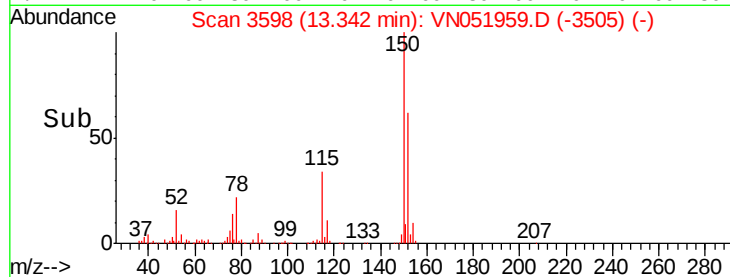
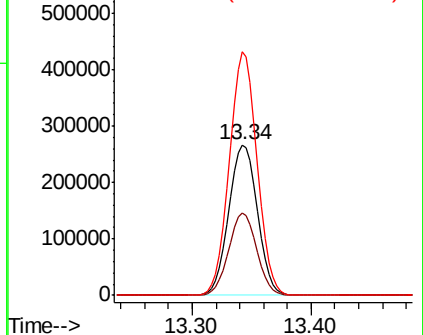


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.015 ug/l

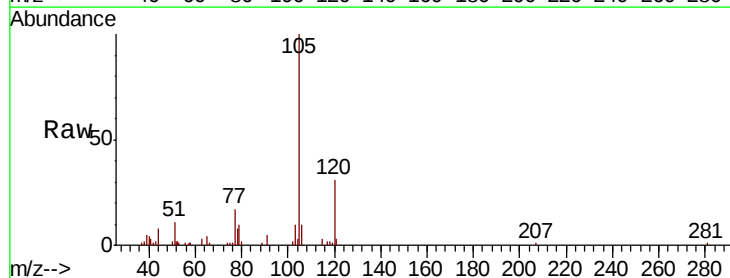
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

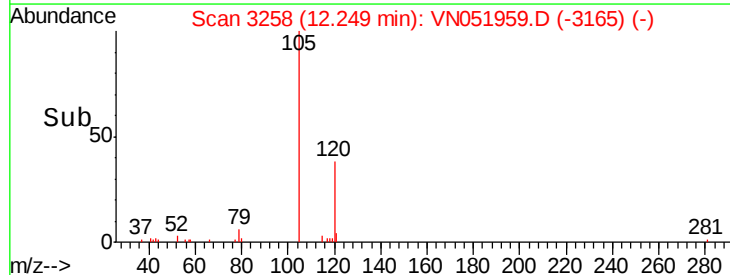
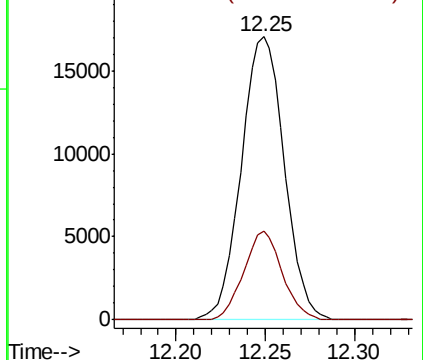
Tgt Ion:	105	Resp:	28660
Ion Ratio	Lower	Upper	
105	100		
120	27.9	14.0	41.9

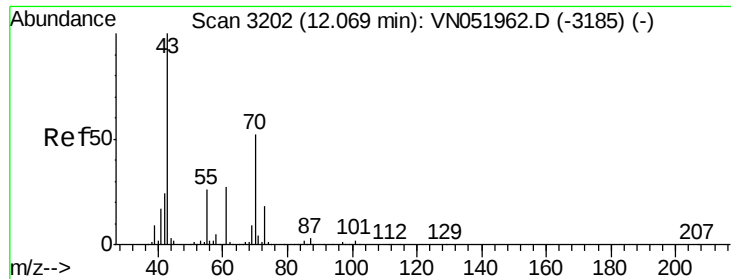


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.153 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

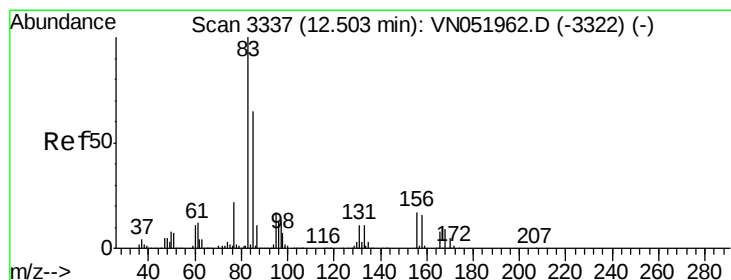
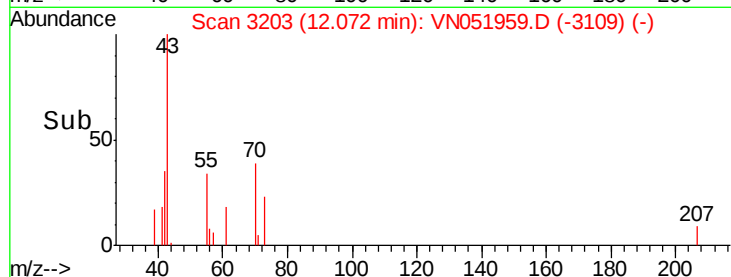
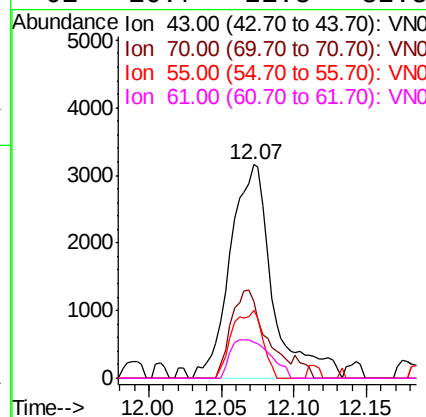
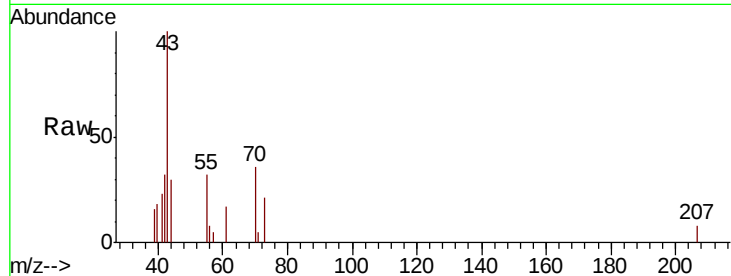
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	6404
Ion	Ratio	Lower	Upper
43	100		
70	33.5	41.3	61.9#
55	22.7	21.2	31.8
61	16.7	21.8	32.8#

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#75

1,1,2,2-Tetrachloroethane

Concen: 0.998 ug/l

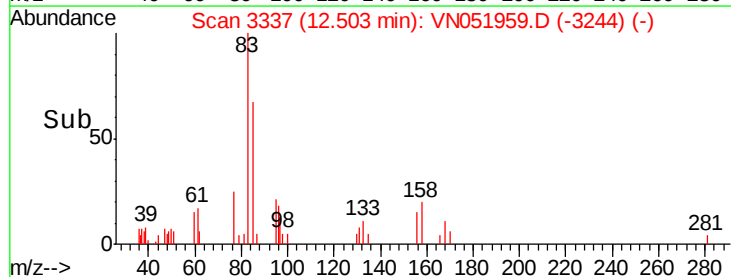
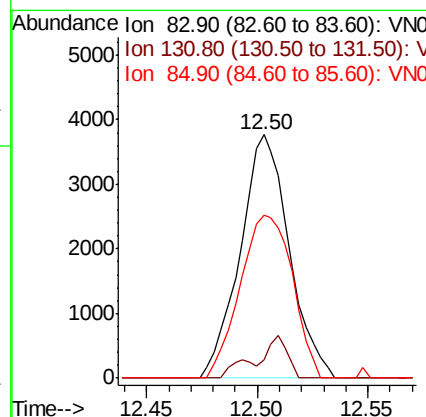
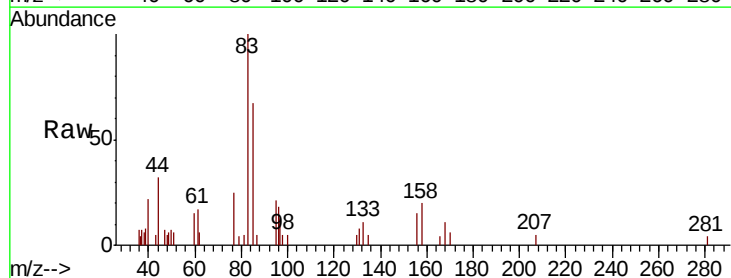
RT: 12.50 min Scan# 3337

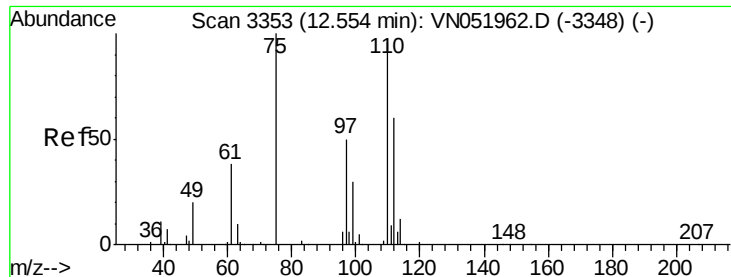
Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Tgt Ion:	83	Resp:	5818
Ion	Ratio	Lower	Upper
83	100		
131	7.2	6.2	18.6
85	71.4	32.7	98.1





#76

1,2,3-Trichloropropane

Concen: 0.995 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 4623

Ion Ratio Lower Upper

75 100

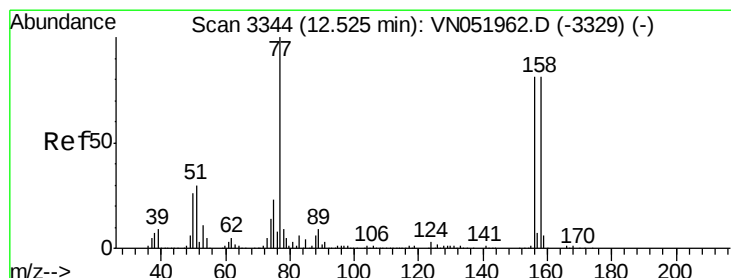
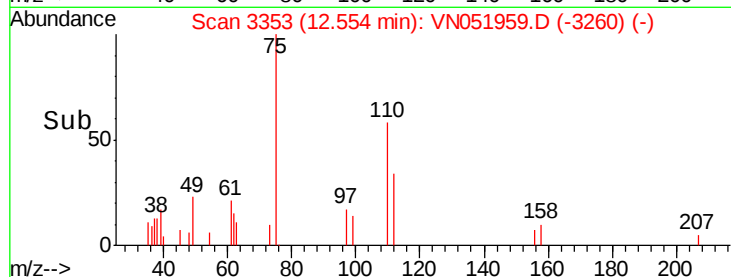
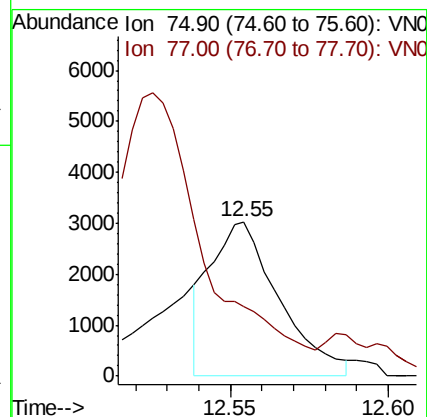
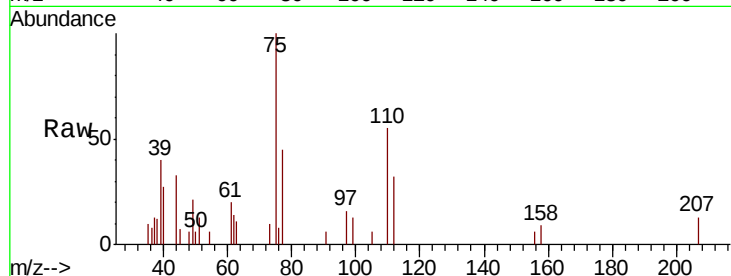
77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 0.954 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

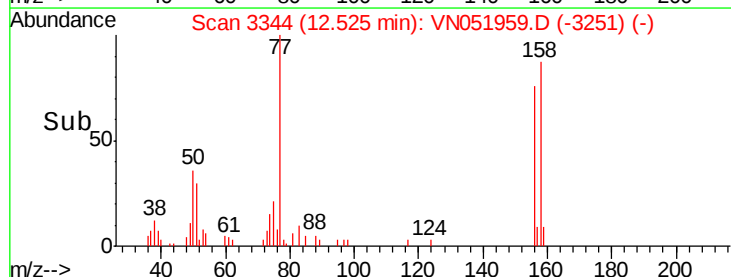
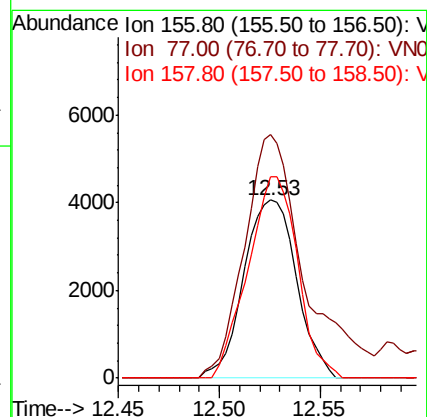
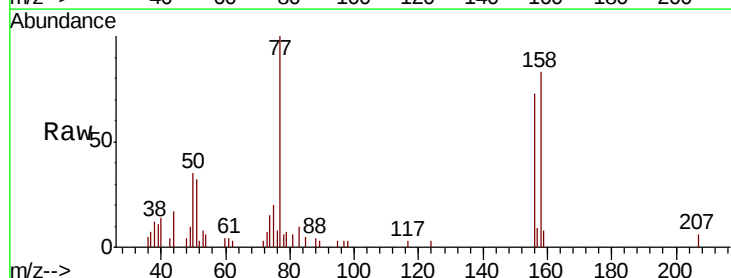
Tgt Ion: 156 Resp: 7431

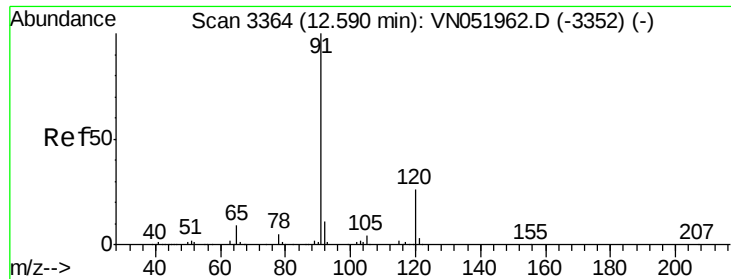
Ion Ratio Lower Upper

156 100

77 155.8 71.1 213.3

158 106.8 49.3 147.8





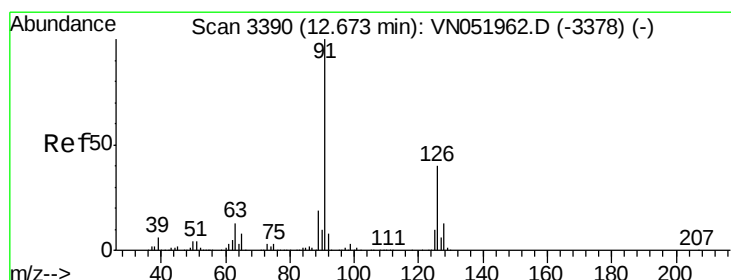
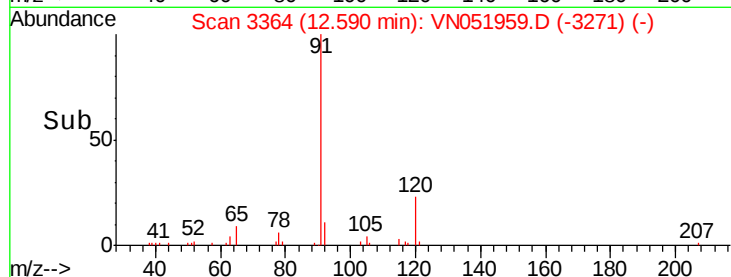
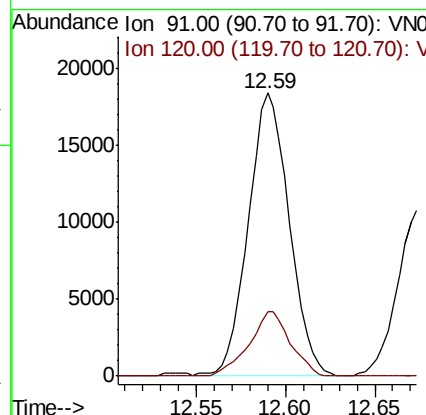
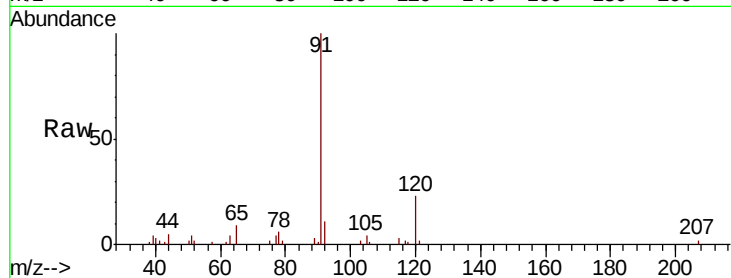
#78
n-propylbenzene
Concen: 0.970 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 29527
Ion Ratio Lower Upper
91 100
120 23.0 13.1 39.3

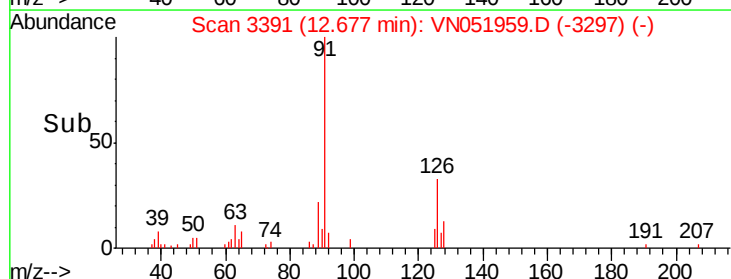
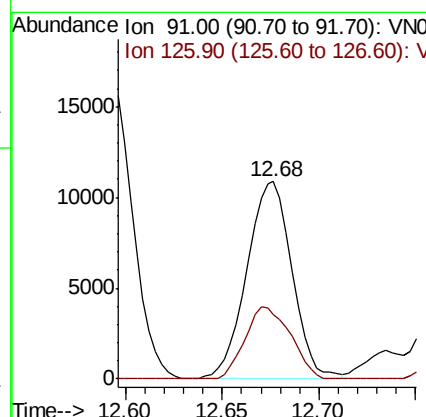
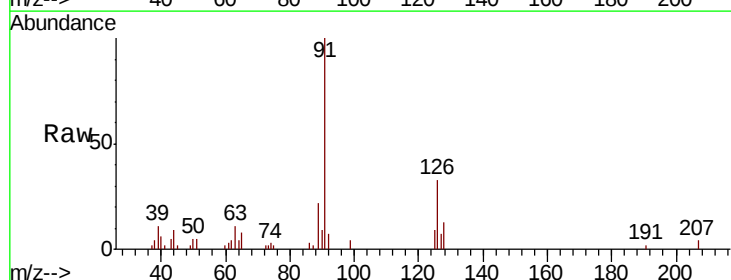
Manual Integrations
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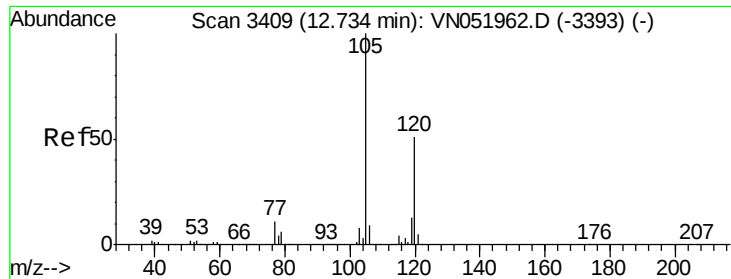
MMDadoda
10/24/2018 10:09:02 AM



#79
2-Chlorotoluene
Concen: 0.997 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion: 91 Resp: 17682
Ion Ratio Lower Upper
91 100
126 36.7 20.1 60.3





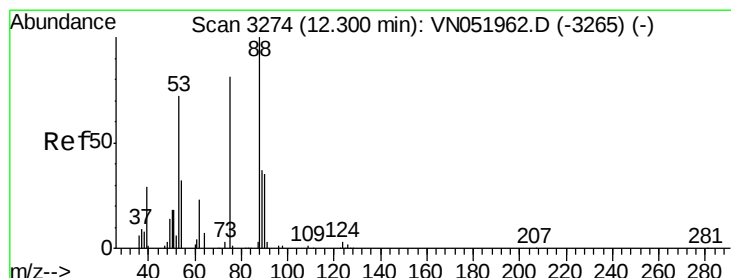
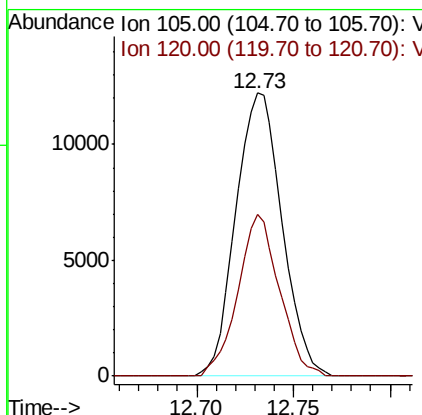
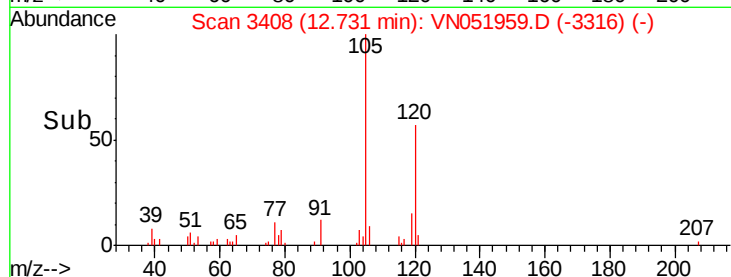
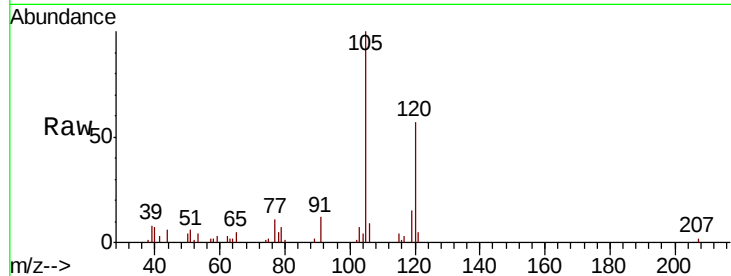
#80
 1,3,5-Trimethylbenzene
 Concen: 0.897 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 20308
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.7 77.1

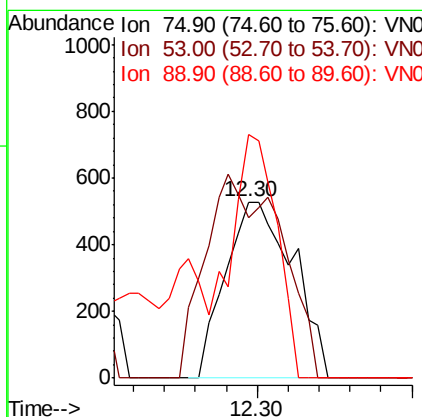
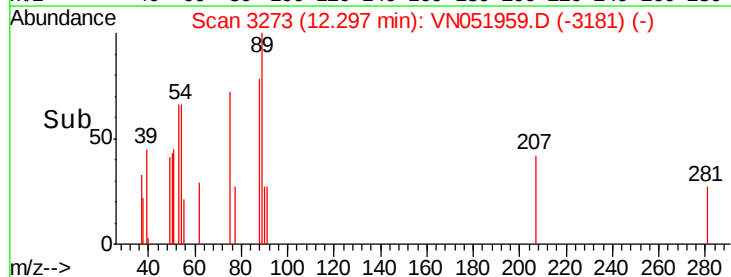
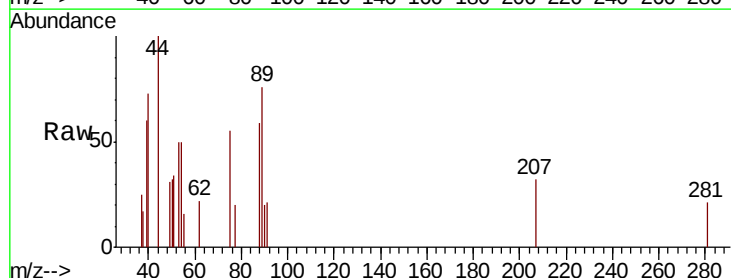
Manual Integrations
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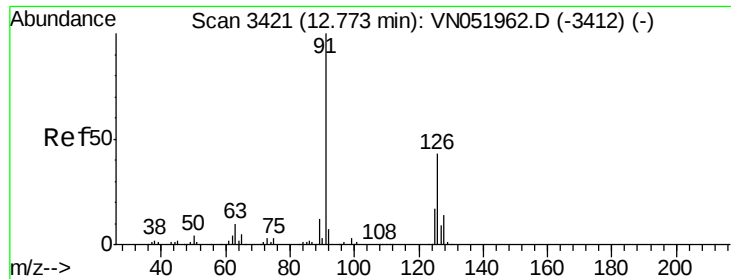
MMDadoda
 10/24/2018 10:09:02 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.648 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion: 75 Resp: 803
 Ion Ratio Lower Upper
 75 100
 53 74.3 73.5 110.3
 89 92.7 41.6 62.4#





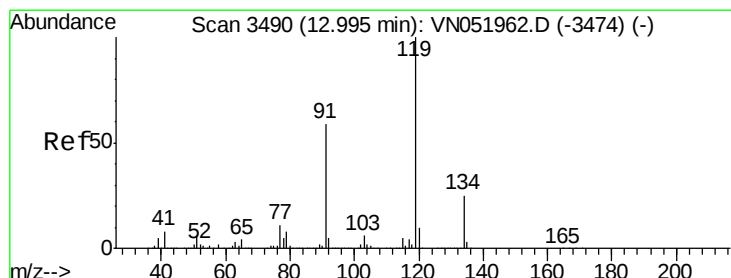
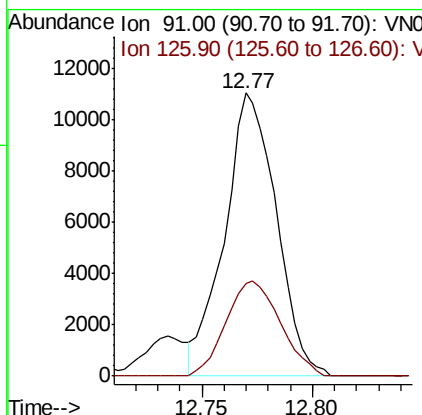
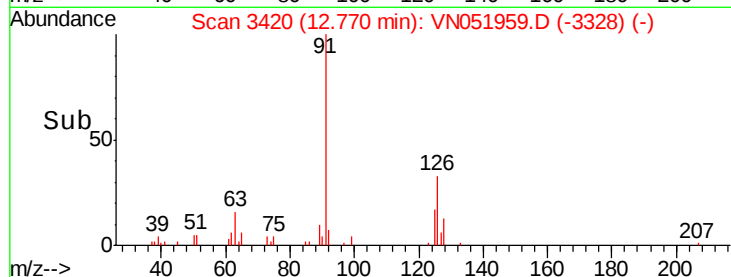
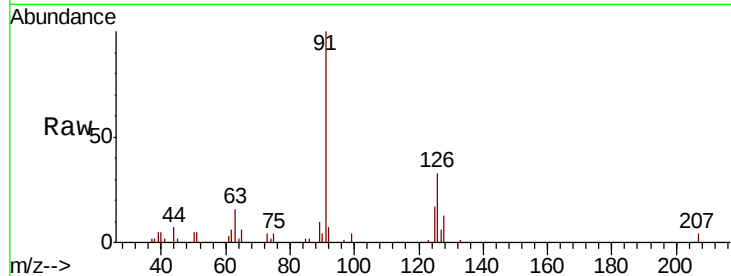
#82
4-Chlorotoluene
Concen: 0.980 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 17984
Ion Ratio Lower Upper
91 100
126 35.3 19.7 59.0

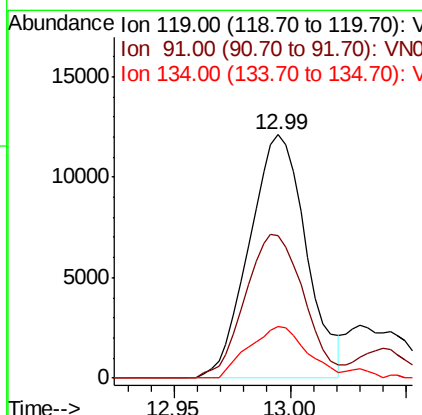
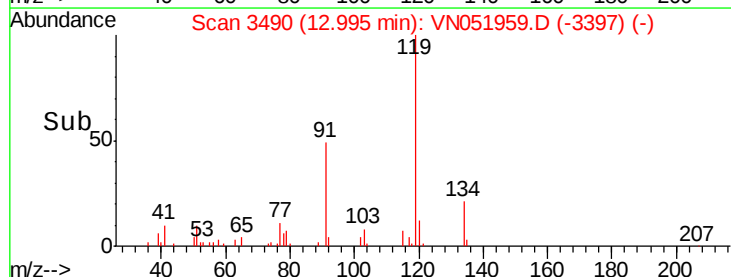
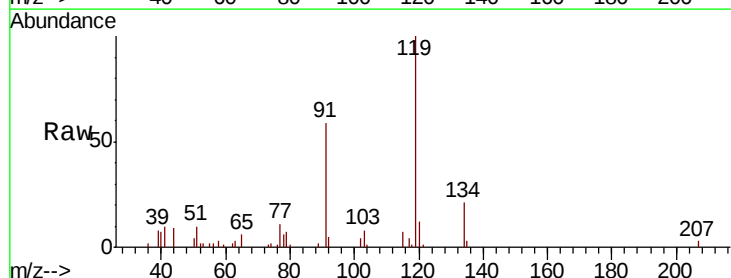
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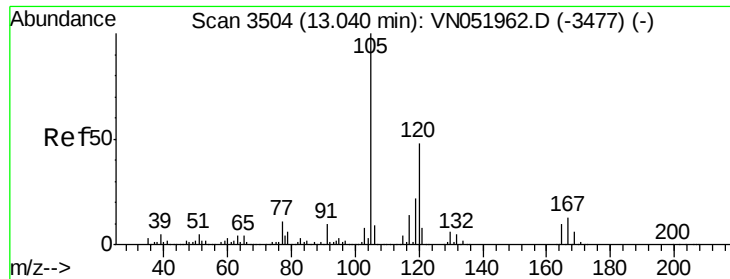
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10/24/2018 10:09:02 AM



#83
tert-Butylbenzene
Concen: 0.967 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion: 119 Resp: 20717
Ion Ratio Lower Upper
119 100
91 60.6 28.8 86.4
134 21.6 13.4 40.1





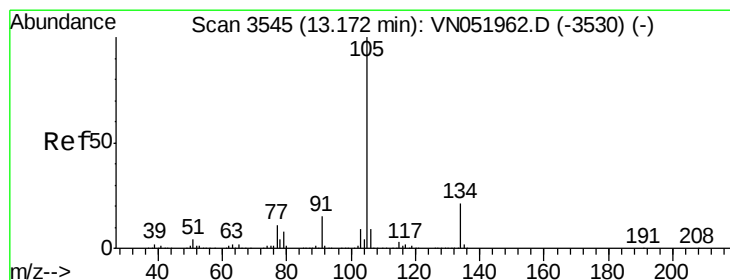
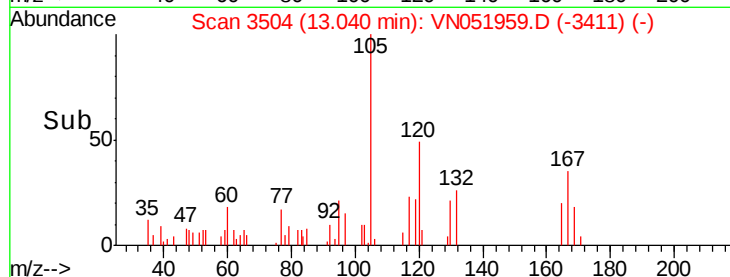
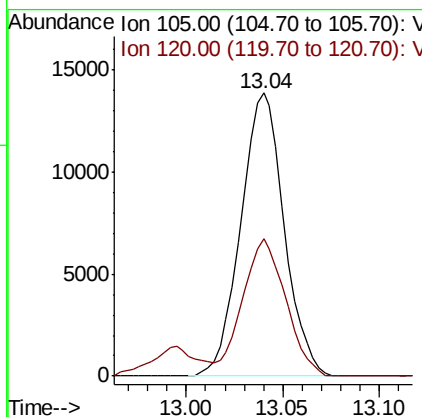
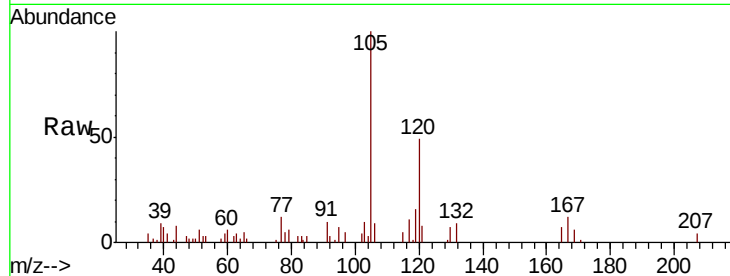
#84
 1,2,4-Trimethylbenzene
 Concen: 0.926 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 21632
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.8 71.5

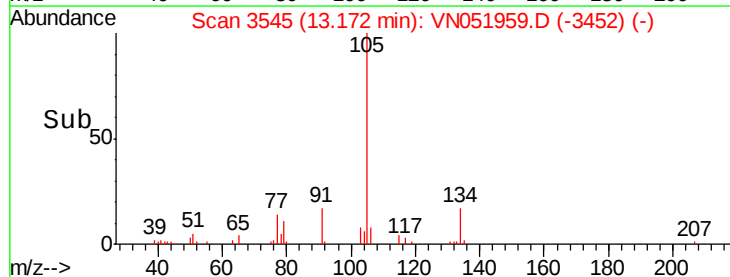
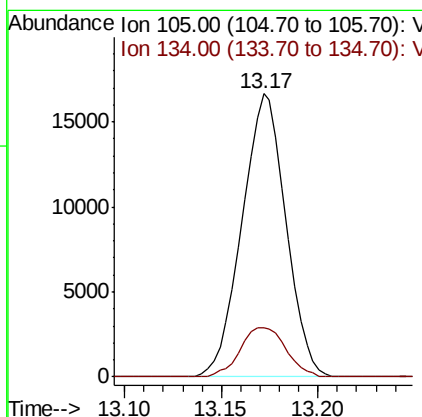
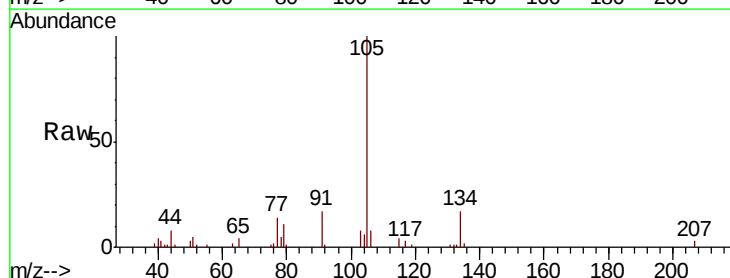
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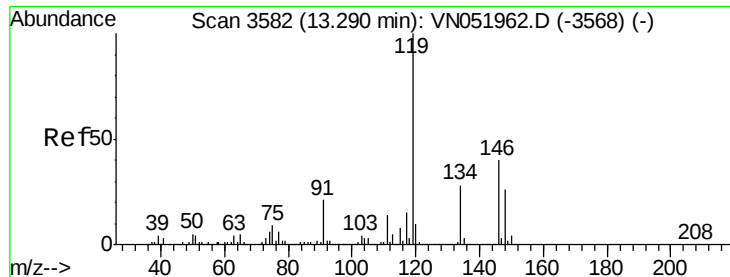
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#85
 sec-Butylbenzene
 Concen: 0.939 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion:105 Resp: 26265
 Ion Ratio Lower Upper
 105 100
 134 18.2 10.9 32.9





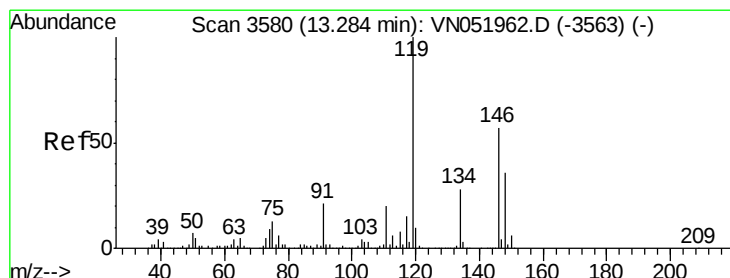
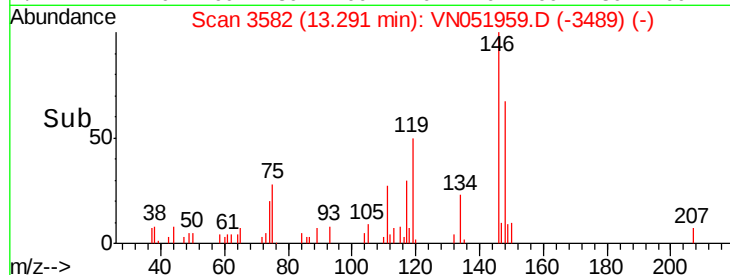
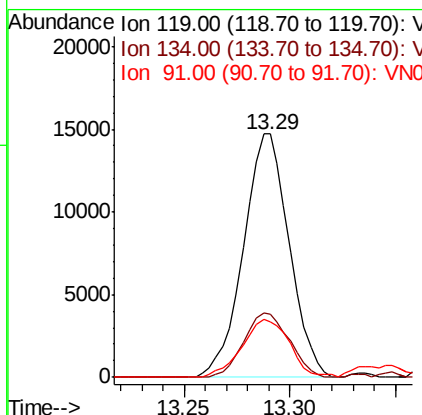
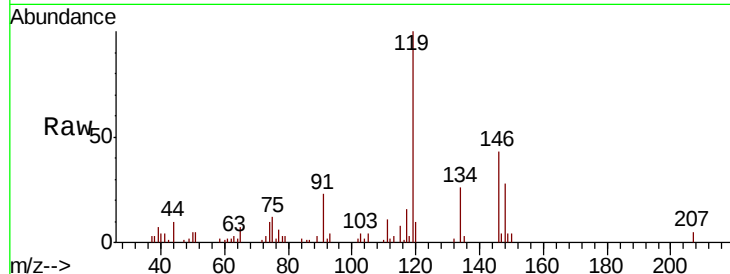
#86
 p-Isopropyltoluene
 Concen: 0.879 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.9	41.7
91	24.7	10.6	31.8

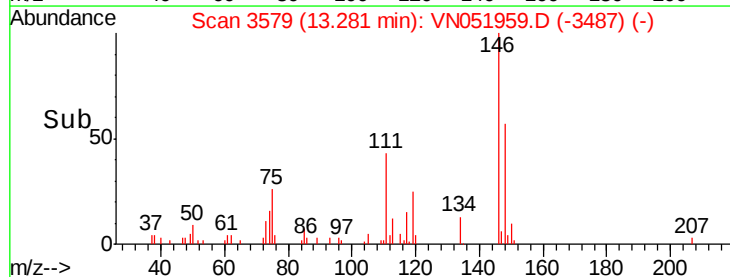
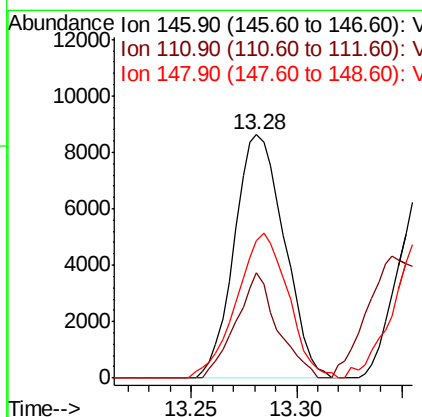
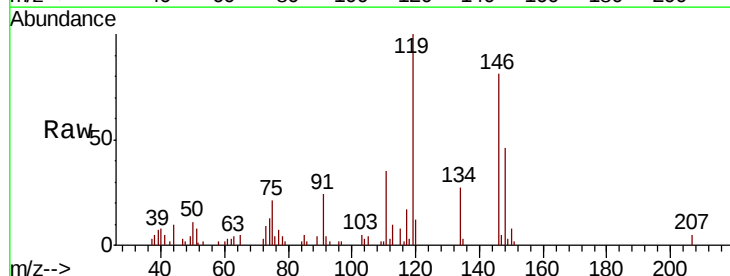
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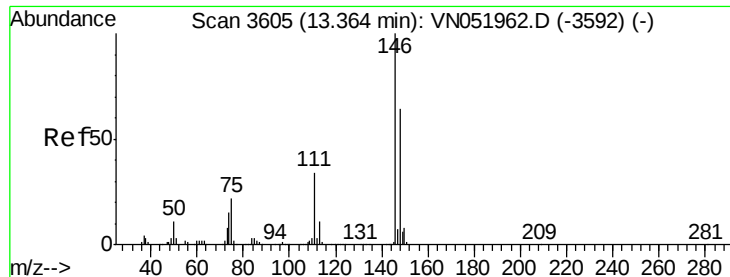
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 10/24/2018 10:09:02 AM



#87
 1,3-Dichlorobenzene
 Concen: 0.987 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.6	52.8
148	61.6	32.0	96.0





#88

1,4-Dichlorobenzene

Concen: 0.965 ug/l m

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

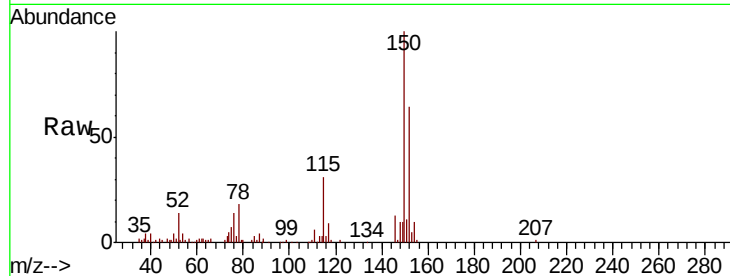
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	13665
Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.3	51.7
148	63.9	32.1	96.3

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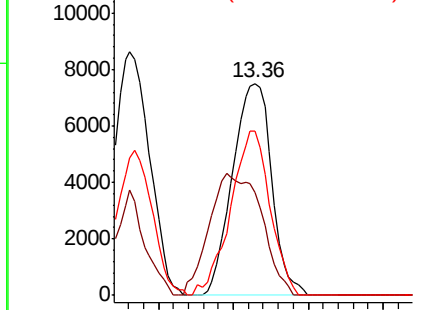


Abundance

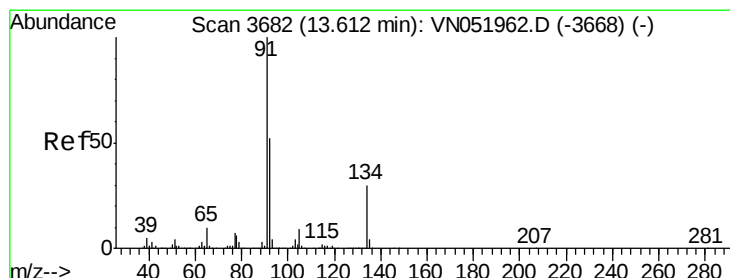
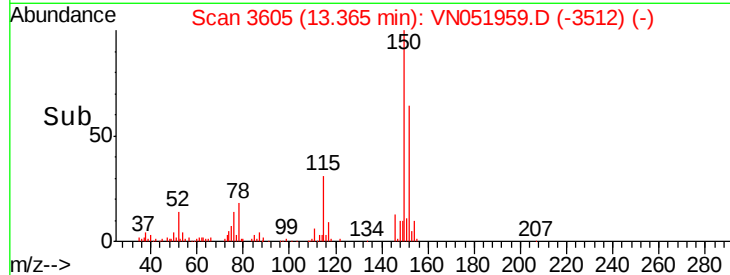
Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#89

n-Butylbenzene

Concen: 0.895 ug/l

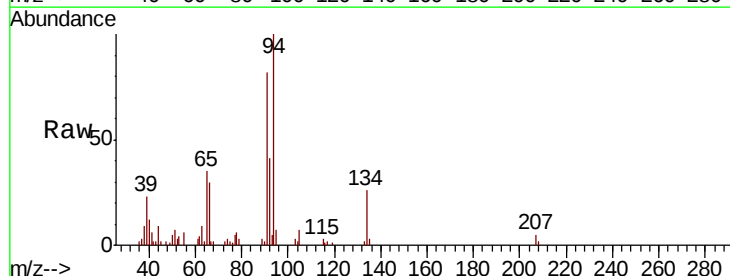
RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Tgt Ion:	91	Resp:	17940
Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.9	77.8
134	28.7	15.2	45.6

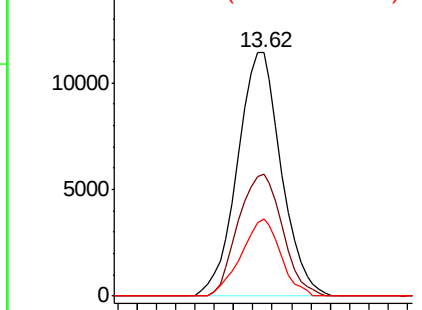


Abundance

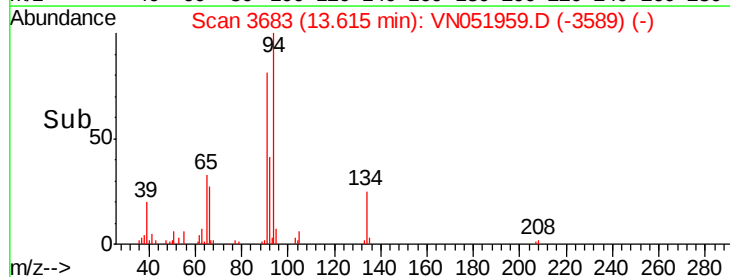
Ion 91.00 (90.70 to 91.70): V

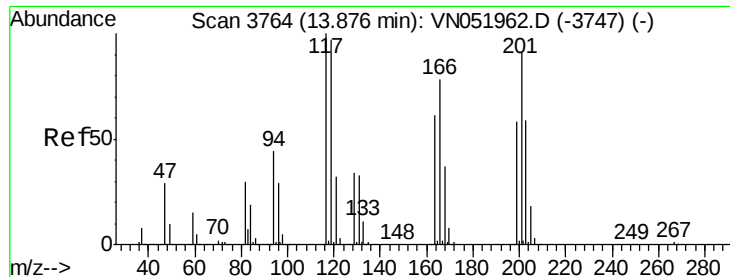
Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->





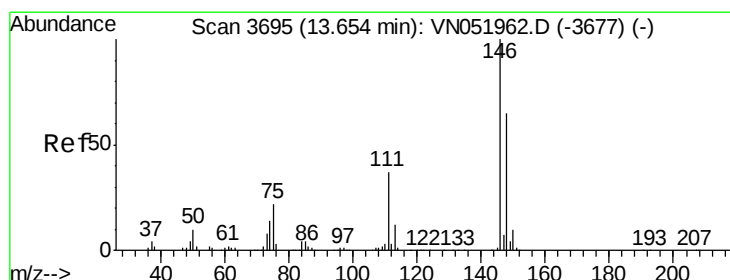
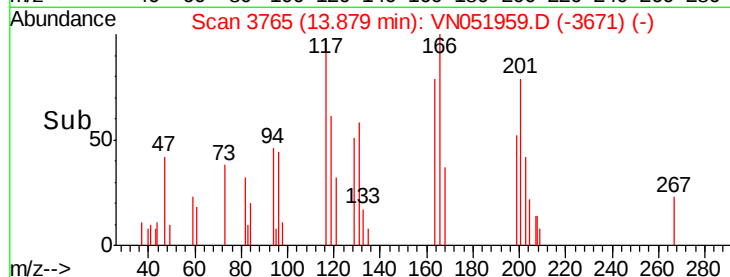
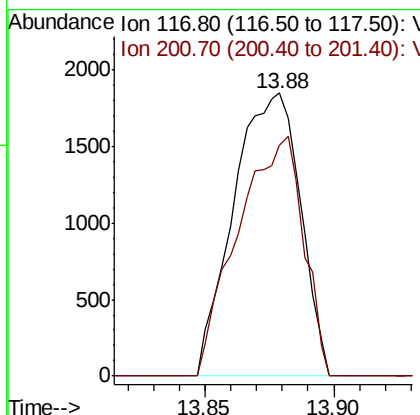
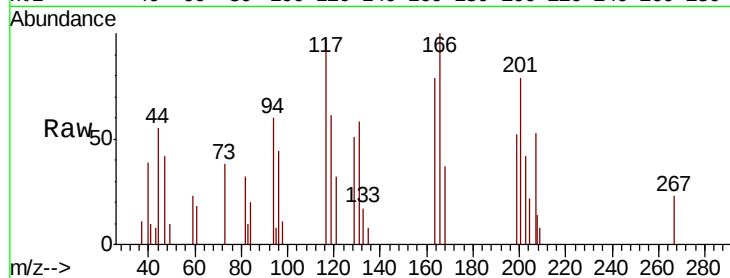
#90
Hexachloroethane
Concen: 0.888 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 3332
Ion Ratio Lower Upper
117 100
201 83.2 45.6 136.9

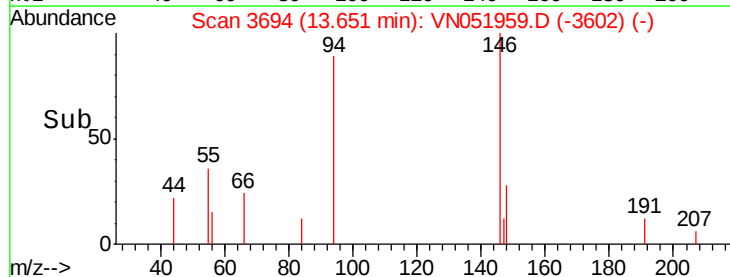
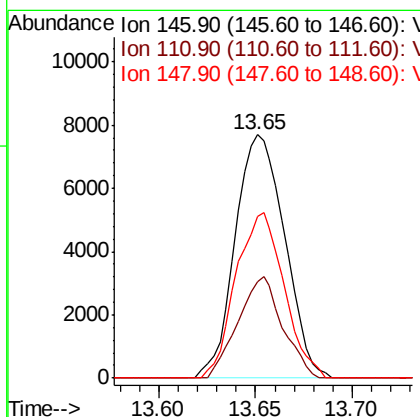
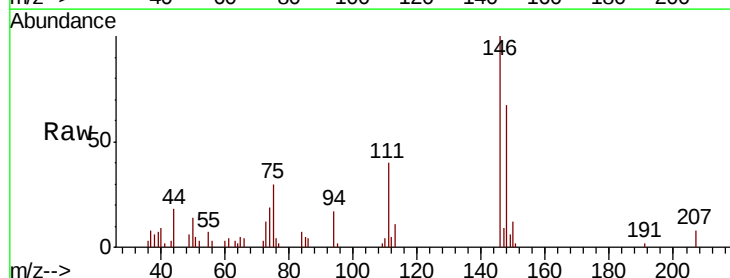
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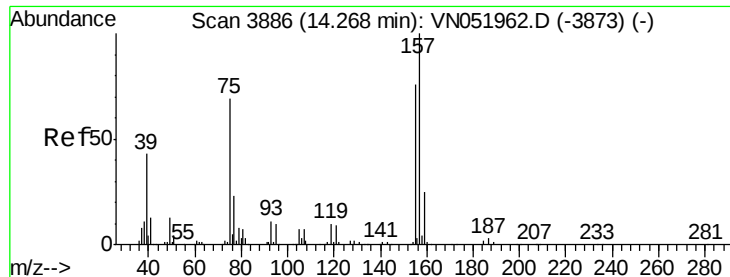
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#91
1,2-Dichlorobenzene
Concen: 0.985 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion:146 Resp: 13693
Ion Ratio Lower Upper
146 100
111 37.6 18.3 54.9
148 66.2 32.4 97.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.141 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Instrument :

MSVOA_N

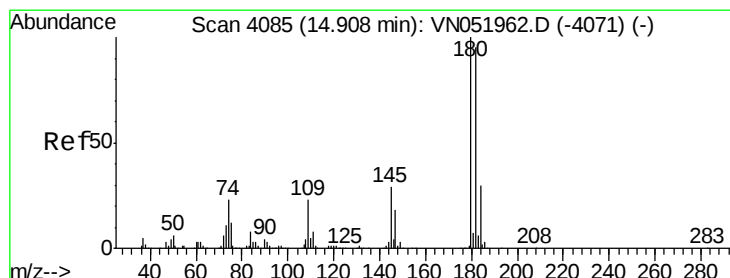
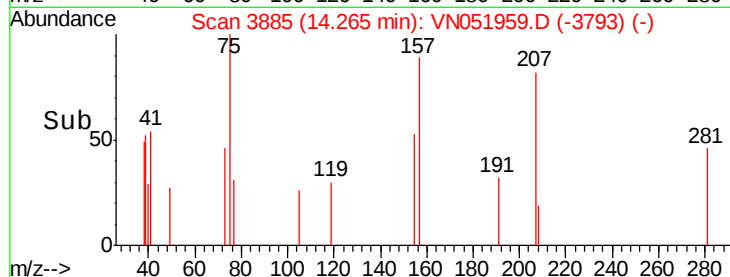
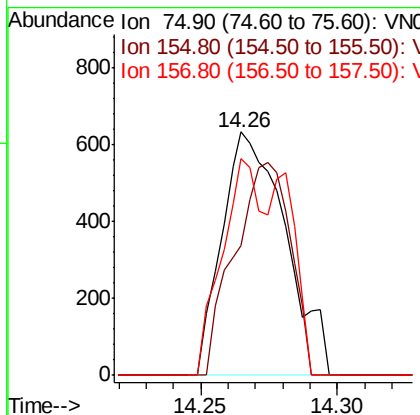
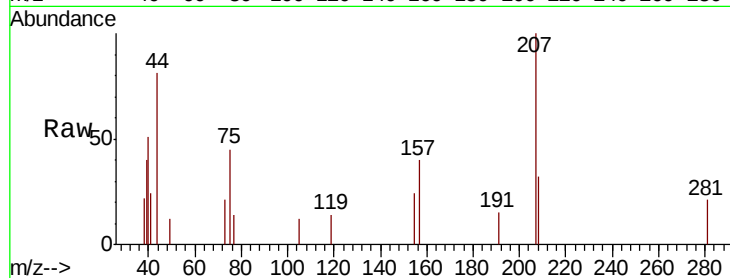
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	1022
Ion	Ratio	Lower	Upper
75	100		
155	76.9	56.0	167.9
157	59.5	73.9	221.6#

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#93

1,2,4-Trichlorobenzene

Concen: 0.990 ug/l

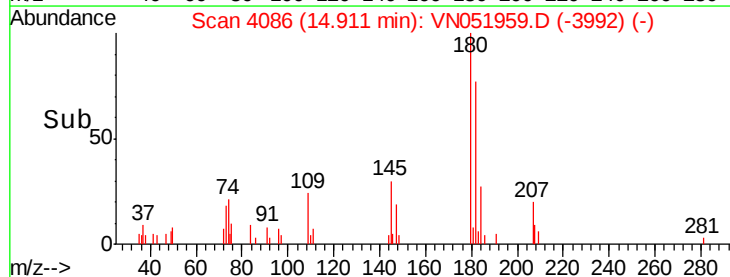
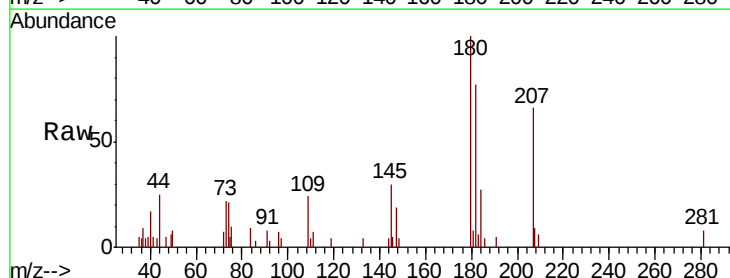
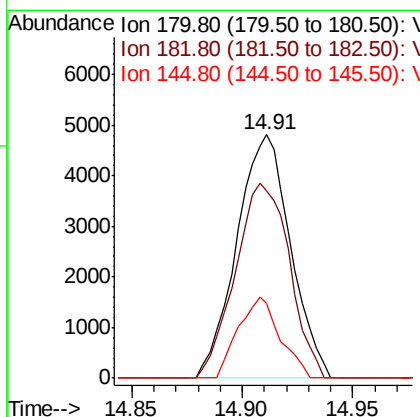
RT: 14.91 min Scan# 4086

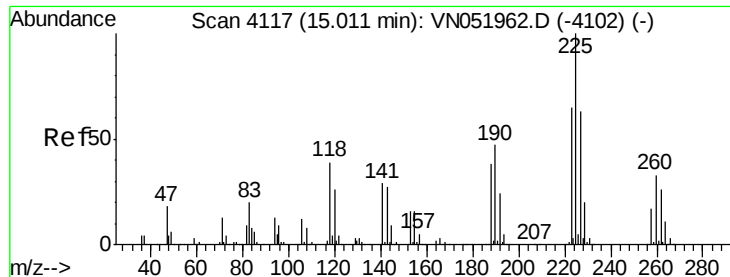
Delta R.T. 0.00 min

Lab File: VN051959.D

Acq: 23 Oct 2018 12:38

Tgt Ion:	180	Resp:	8127
Ion	Ratio	Lower	Upper
180	100		
182	80.7	47.8	143.4
145	25.8	14.5	43.5





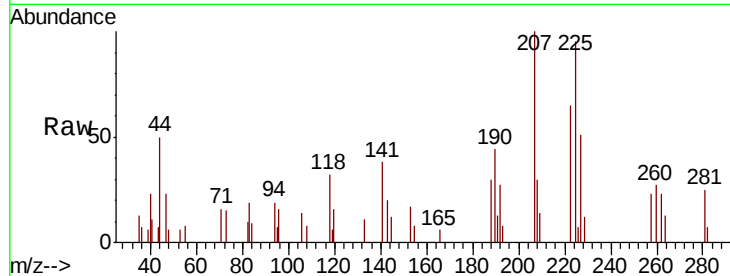
#94
Hexachlorobutadiene
Concen: 1.072 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

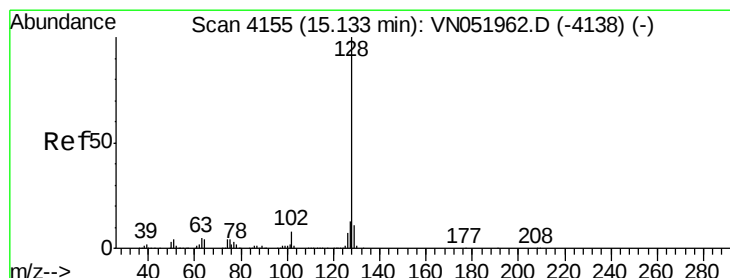
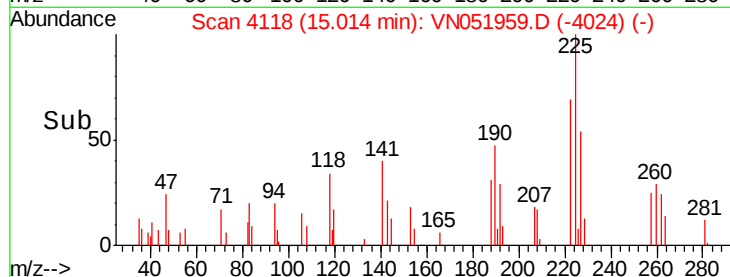
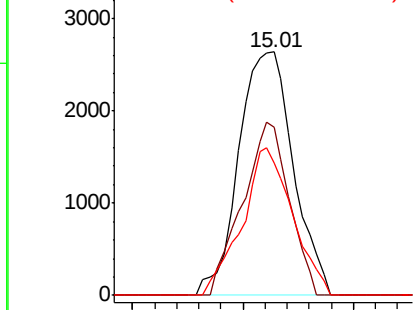
Tot Ion:	225	Resp:	4523
Ion Ratio	Lower	Upper	
225	100		
223	60.6	31.8	95.4
227	55.8	31.4	94.2

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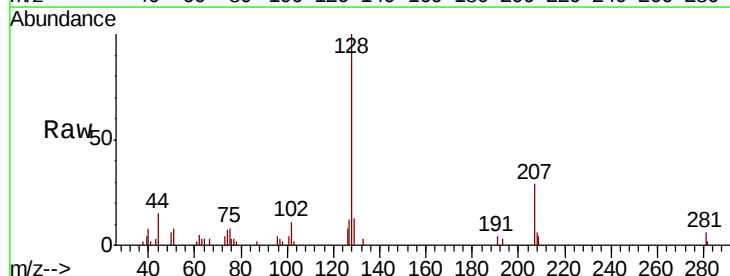


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

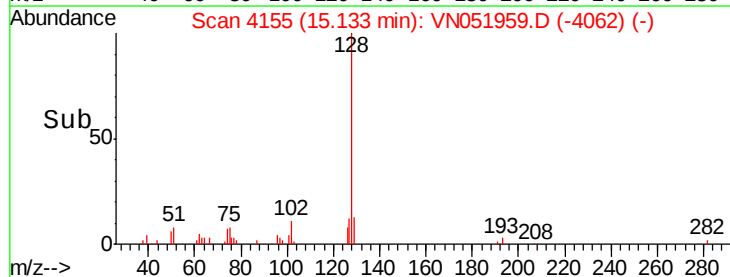
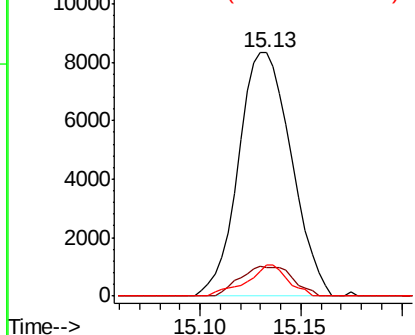


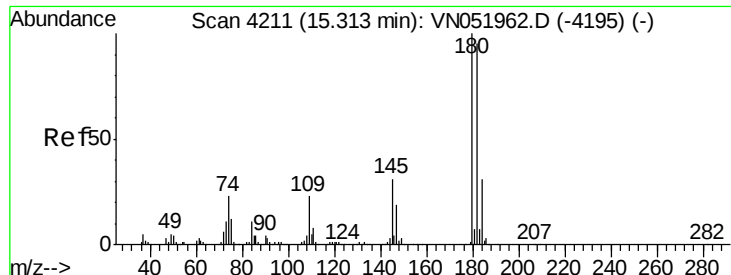
#95
Naphthalene
Concen: 0.854 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051959.D
Acq: 23 Oct 2018 12:38

Tgt Ion:	128	Resp:	15219
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.3	15.5
129	9.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





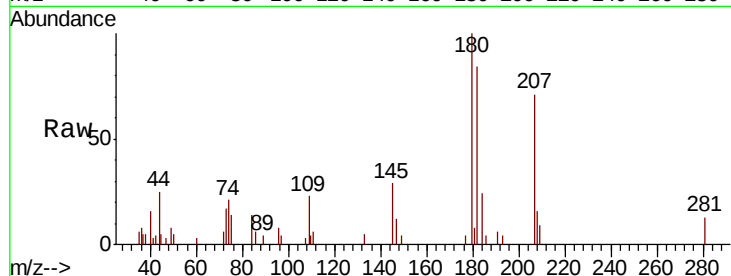
#96
 1,2,3-Trichlorobenzene
 Concen: 1.011 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051959.D
 Acq: 23 Oct 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	7937
Ion Ratio	Lower	Upper	
180	100		
182	90.1	47.9	143.6
145	30.9	15.4	46.2

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:02 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

