

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055991.D
 Acq On : 4 Jun 2019 15:14
 Operator : JC/SP
 Sample : VN0604MBSD01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:04:04 PM

Quant Time: Jun 05 01:39:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	331009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	493334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	168816	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.59	113	149991	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	590417	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	202532	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	74104	20.588	ug/l	99
3) Chloromethane	2.06	50	78704	21.934	ug/l	100
4) Vinyl Chloride	2.18	62	77864	21.633	ug/l	99
5) Bromomethane	2.53	94	50979	22.422	ug/l	100
6) Chloroethane	2.68	64	45657	21.879	ug/l	100
7) Trichlorofluoromethane	3.00	101	95003	20.676	ug/l	98
8) Diethyl Ether	3.40	74	39610	20.963	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58515	20.964	ug/l	99
10) Methyl Iodide	3.94	142	89370	20.149	ug/l	98
11) Tert butyl alcohol	4.81	59	56433	98.668	ug/l	98
12) 1,1-Dichloroethene	3.72	96	58622	21.096	ug/l	95
13) Acrolein	3.60	56	17201	104.278	ug/l	95
14) Allyl chloride	4.31	41	88906	20.262	ug/l	99
15) Acrylonitrile	4.99	53	157628	113.216	ug/l	99
16) Acetone	3.82	43	136685	86.955	ug/l	99
17) Carbon Disulfide	4.04	76	128606	19.329	ug/l	100
18) Methyl Acetate	4.32	43	69956	22.337	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	188891	21.326	ug/l	100
20) Methylene Chloride	4.54	84	68013	21.001	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	63225	21.235	ug/l	96
22) Diisopropyl ether	5.95	45	190895	21.046	ug/l	98
23) Vinyl Acetate	5.90	43	771694	108.037	ug/l	99
24) 1,1-Dichloroethane	5.84	63	109763	20.979	ug/l	99
25) 2-Butanone	6.84	43	208030	104.746	ug/l	98
26) 2,2-Dichloropropane	6.82	77	75890	18.588	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	73744	21.071	ug/l	96
28) Bromochloromethane	7.19	49	50705	20.493	ug/l	98
29) Tetrahydrofuran	7.22	42	137780	112.230	ug/l	98
30) Chloroform	7.37	83	110786	21.049	ug/l	98
31) Cyclohexane	7.65	56	108080	20.724	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	91142	20.737	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84314	19.876	ug/l	99
37) Ethyl Acetate	6.93	43	83692	22.174	ug/l	100
38) Carbon Tetrachloride	7.77	117	73835	18.879	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105453	19.956	ug/l	100
40) Benzene	8.04	78	267128	20.734	ug/l	100
41) Methacrylonitrile	7.17	41	36215	20.855	ug/l	87
42) 1,2-Dichloroethane	8.12	62	82794	19.978	ug/l	99
43) Isopropyl Acetate	8.17	43	129606	21.191	ug/l #	92
44) Trichloroethene	8.83	130	75873	20.494	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68358	20.714	ug/l	97
46) Dibromomethane	9.21	93	43336	20.081	ug/l	97
47) Bromodichloromethane	9.40	83	76692	19.608	ug/l	98
48) Methyl methacrylate	9.20	41	63392	21.186	ug/l	95
49) 1,4-Dioxane	9.20	88	27296	422.549	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	412027	107.726	ug/l	98
52) Toluene	10.15	92	168037	20.960	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	80490	19.109	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	95726	20.361	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	65832	20.730	ug/l	99
56) Ethyl methacrylate	10.43	69	100375	21.665	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107946	20.909	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	183687	108.922	ug/l	100
59) 2-Hexanone	10.75	43	297629	107.366	ug/l	99
60) Dibromochloromethane	10.90	129	58090	18.224	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69871	21.522	ug/l	97
64) Tetrachloroethene	10.63	164	76471	19.846	ug/l	98
65) Chlorobenzene	11.43	112	179360	20.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59176	19.345	ug/l	89
67) Ethyl Benzene	11.51	91	320917	20.832	ug/l	100
68) m/p-Xylenes	11.62	106	249380	42.376	ug/l	94
69) o-Xylene	11.95	106	121359	20.965	ug/l	98
70) Styrene	11.96	104	200928	21.846	ug/l	99
71) Bromoform	12.13	173	41879	18.154	ug/l #	94
73) Isopropylbenzene	12.25	105	335530	22.325	ug/l	97
74) N-amyl acetate	12.07	43	115703	21.821	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	90420	19.581	ug/l #	94
76) 1,2,3-Trichloropropane	12.55	75	76335m	20.856	ug/l	
77) Bromobenzene	12.53	156	200296	47.032	ug/l #	31
78) n-propylbenzene	12.59	91	344712	20.484	ug/l	100
79) 2-Chlorotoluene	12.67	91	205223	20.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	314174	23.491	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.30	75	18875	17.173	ug/l #	85
82) 4-Chlorotoluene	12.77	91	200186	20.333	ug/l	99
83) tert-Butylbenzene	12.99	119	228358	20.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254297	20.050	ug/l	98
85) sec-Butylbenzene	13.17	105	306192	20.546	ug/l	100
86) p-Isopropyltoluene	13.29	119	283576	21.261	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	132909	20.164	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	131871	20.798	ug/l	96
89) n-Butylbenzene	13.61	91	212934	21.551	ug/l	97
90) Hexachloroethane	13.87	117	46157	22.947	ug/l	76
91) 1,2-Dichlorobenzene	13.65	146	133760	20.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13327	20.178	ug/l	90

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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71966	22.218	ug/l	98
94) Hexachlorobutadiene	15.01	225	46459	19.065	ug/l	99
95) Naphthalene	15.13	128	215453	24.752	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	78163	22.678	ug/l	98

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

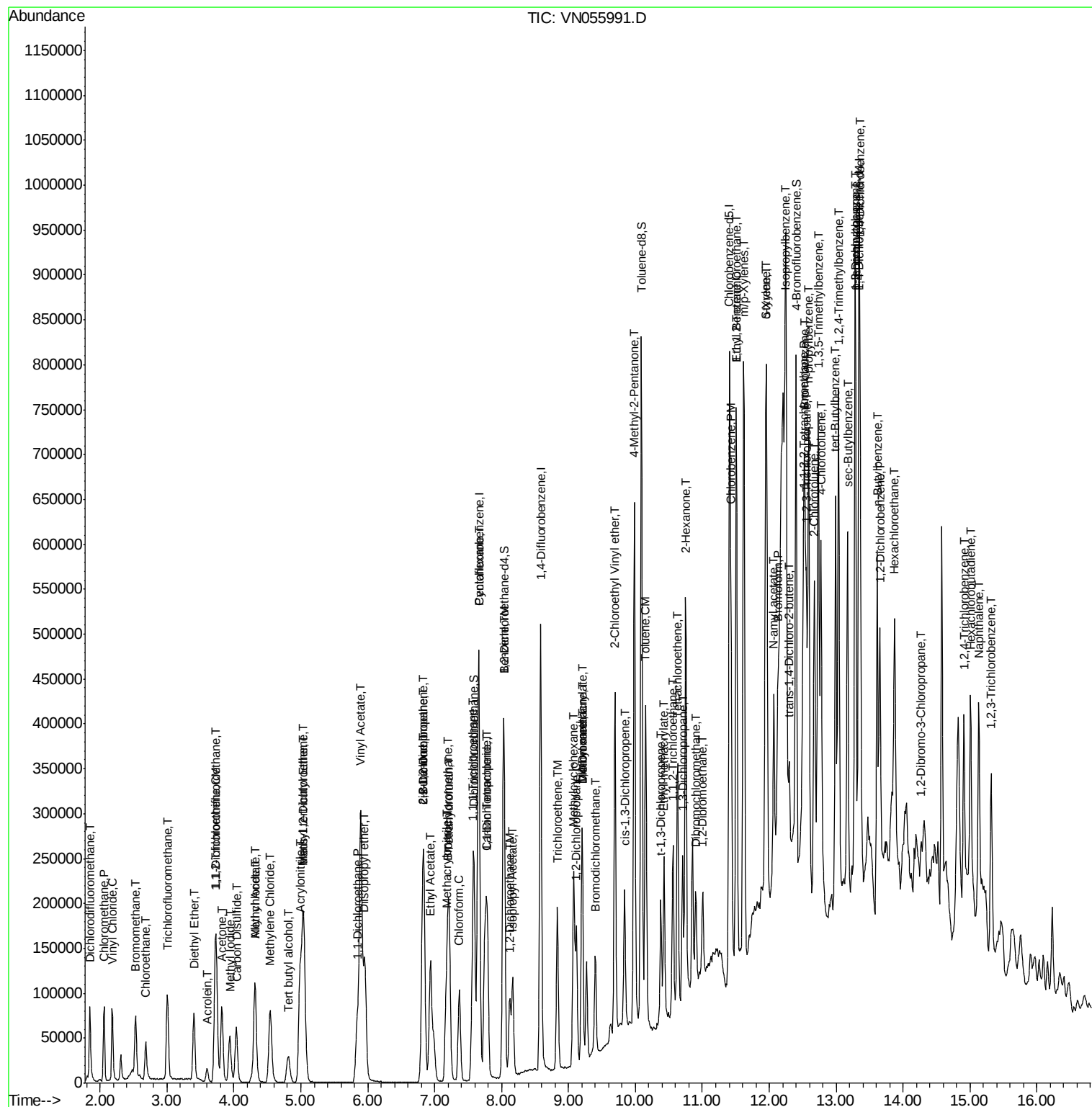
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
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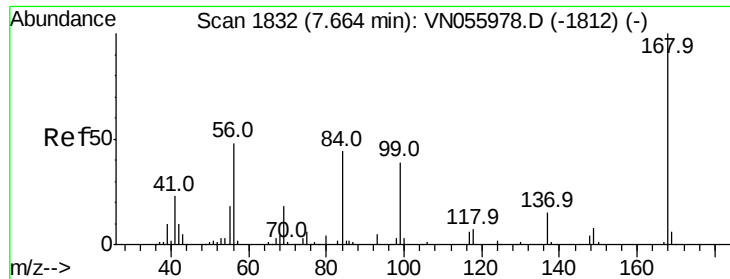
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0604MBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion:168 Resp: 331009

Ion Ratio Lower Upper

168 100

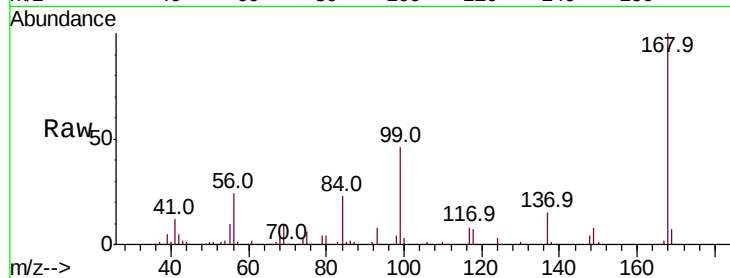
99 45.1 37.2 55.8

Manual Integrations

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6/5/2019 4:04:04 PM



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

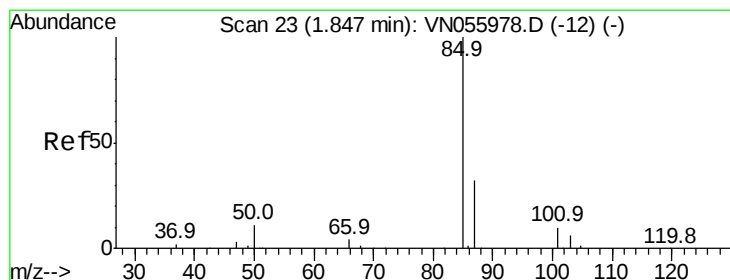
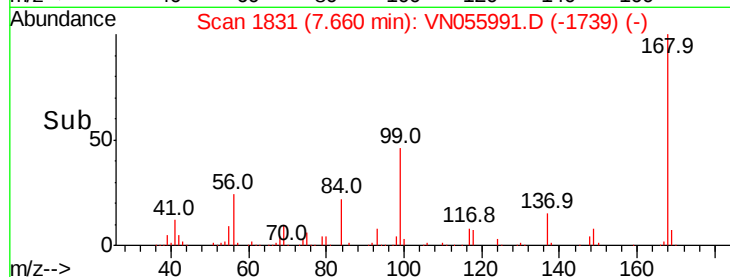
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100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 20.588 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055991.D

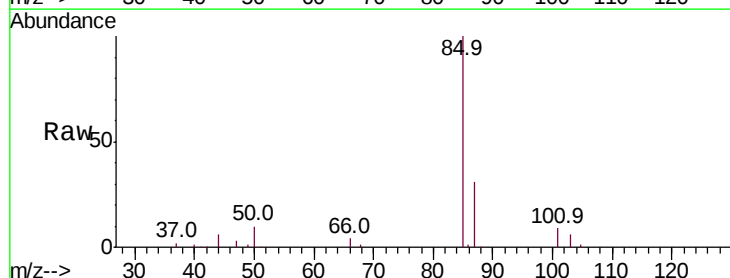
Acq: 4 Jun 2019 15:14

Tgt Ion: 85 Resp: 74104

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.85

50000

40000

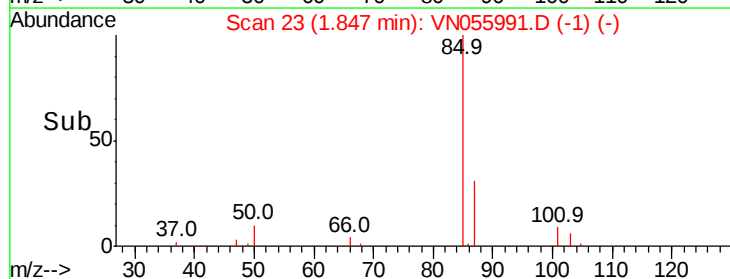
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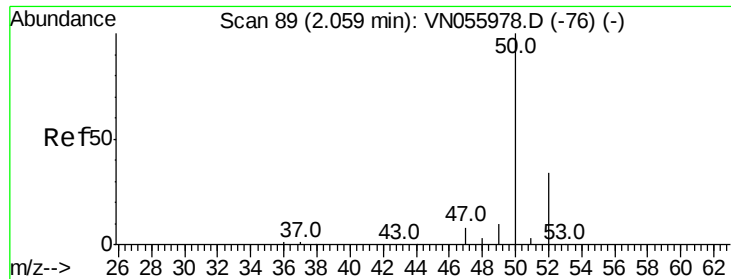
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Time-->





#3

Chloromethane

Concen: 21.934 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 50 Resp: 78704

Ion Ratio Lower Upper

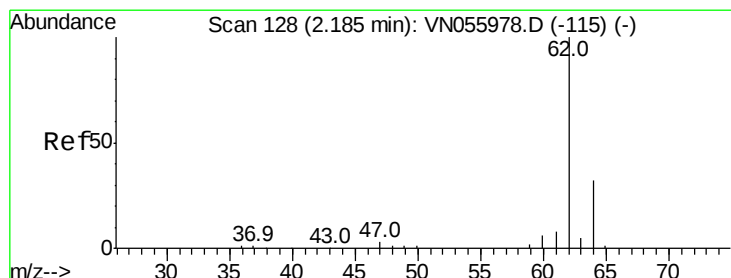
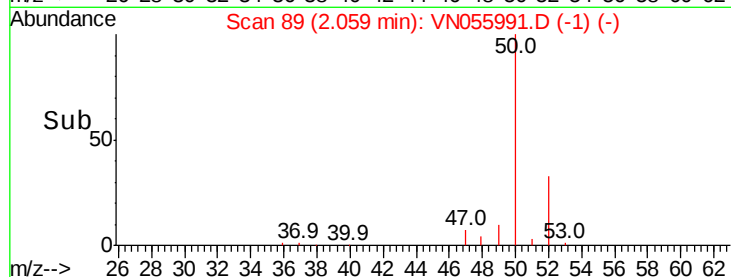
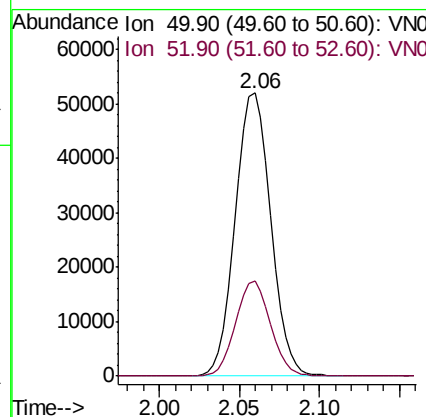
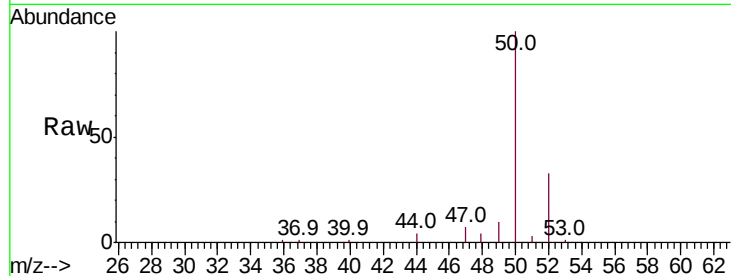
50 100

52 33.5 26.6 40.0

Manual Integrations
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6/5/2019 4:04:04 PM



#4

Vinyl Chloride

Concen: 21.633 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055991.D

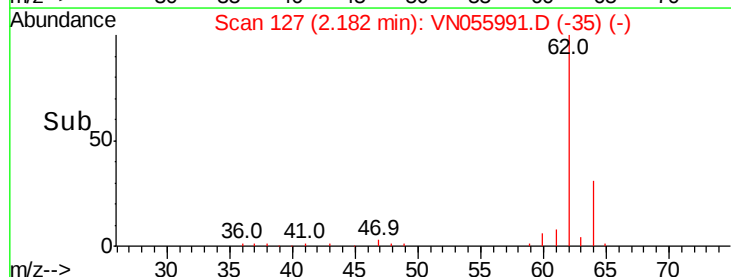
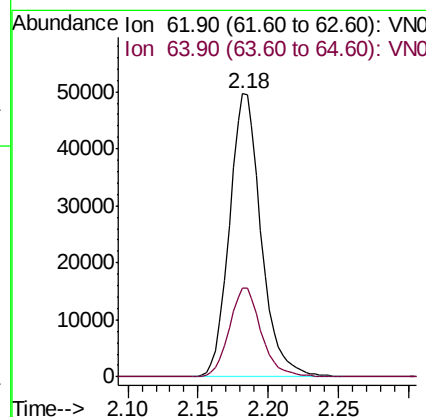
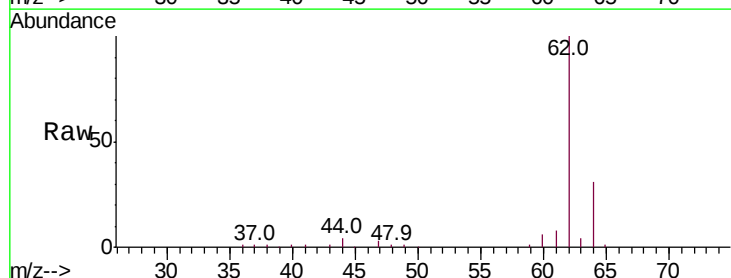
Acq: 4 Jun 2019 15:14

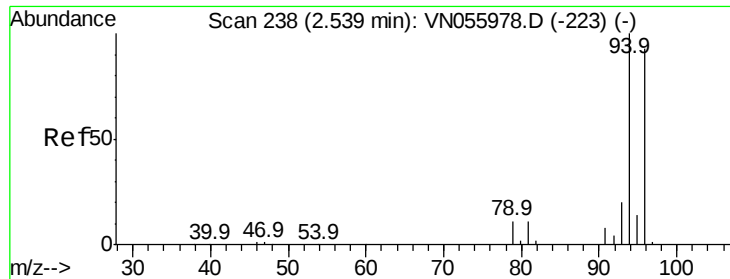
Tgt Ion: 62 Resp: 77864

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 22.422 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 94 Resp: 50979

Ion Ratio Lower Upper

94 100

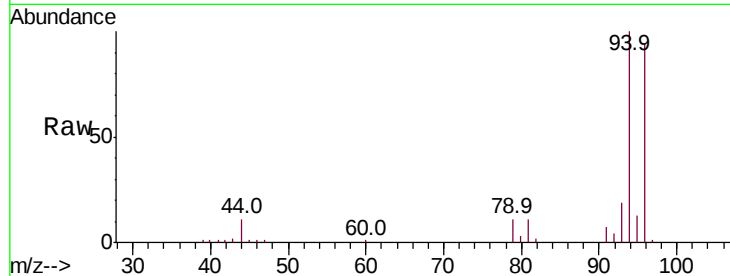
96 94.5 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

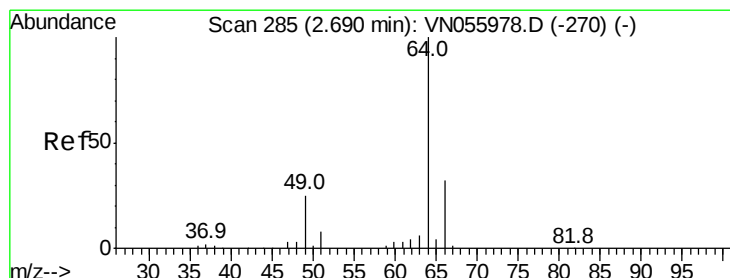
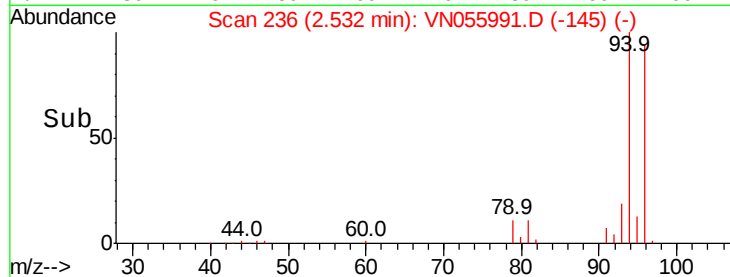
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5000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 21.879 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN055991.D

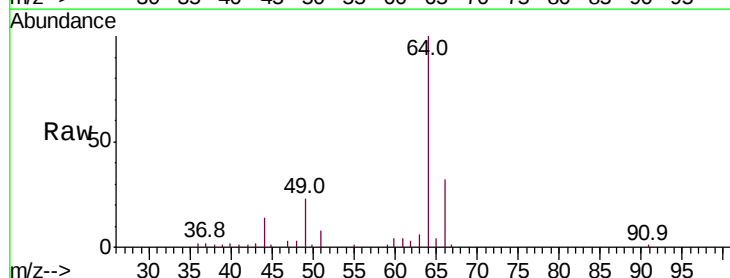
Acq: 4 Jun 2019 15:14

Tgt Ion: 64 Resp: 45657

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

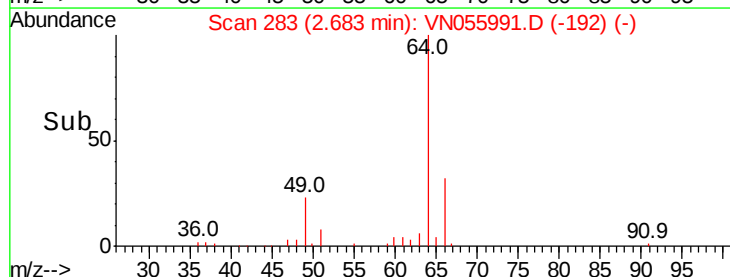
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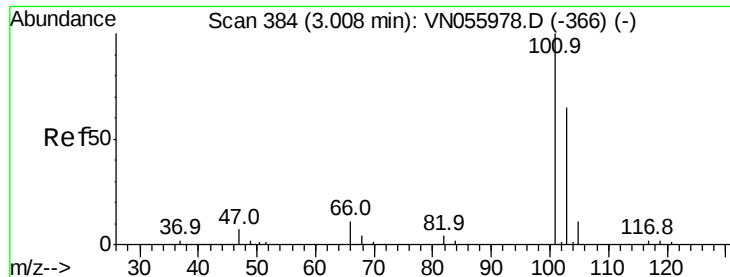
5000

0

2.60 2.70 2.80

Time-->





#7

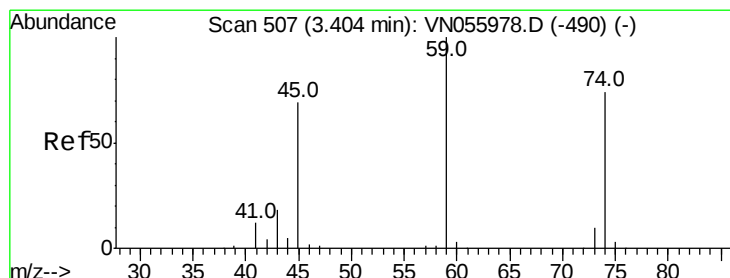
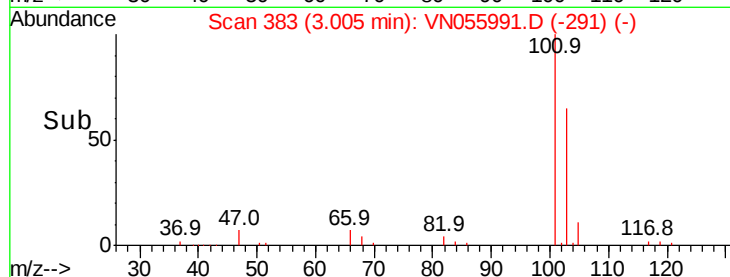
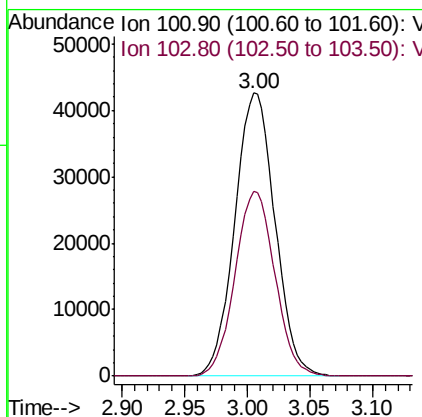
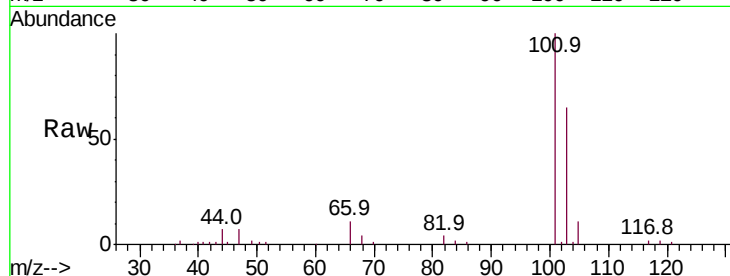
Trichlorofluoromethane
 Concen: 20.676 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 95003
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8

Manual Integrations
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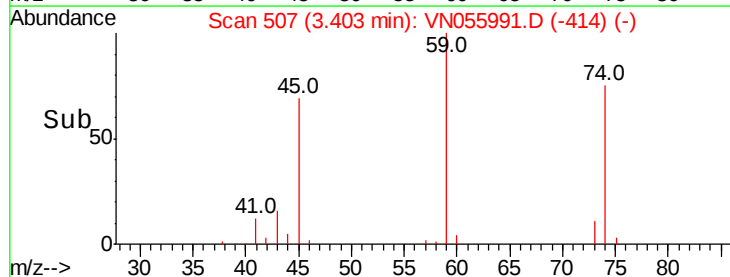
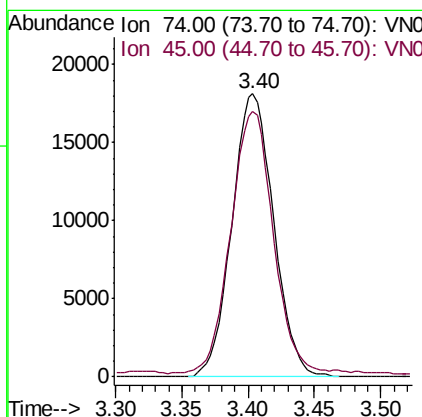
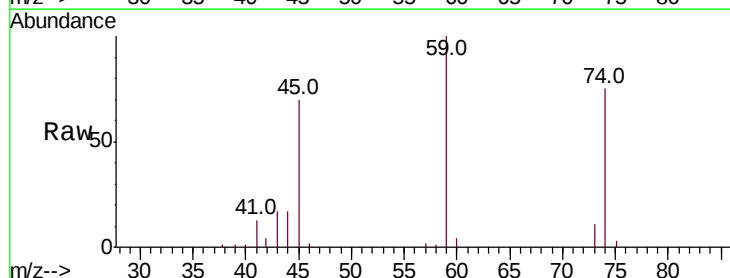
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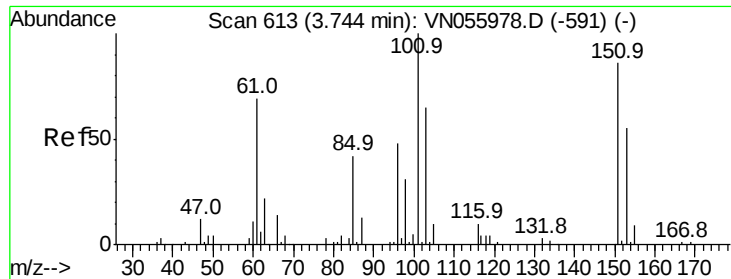


#8

Diethyl Ether
 Concen: 20.963 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 74 Resp: 39610
 Ion Ratio Lower Upper
 74 100
 45 93.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.964 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

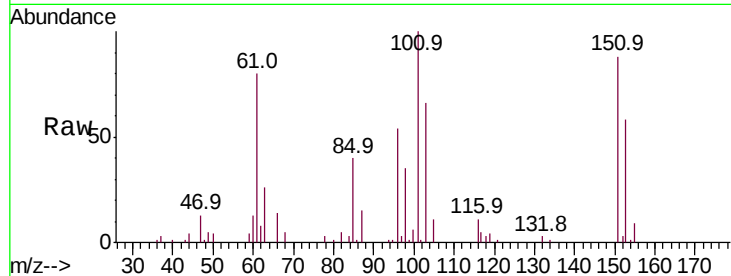
ClientSampleId :

VN0604MBSD01

Tot Ion:	101	Resp:	58515
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.4	50.2
151	85.8	69.4	104.2

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:04:04 PM

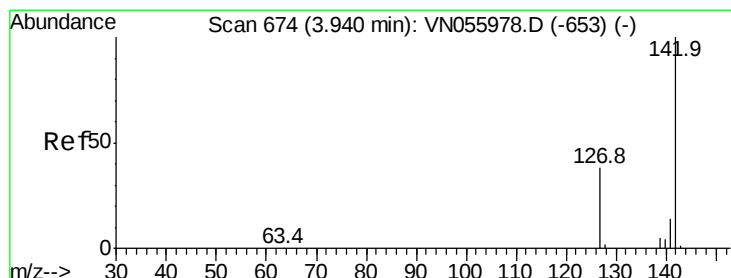
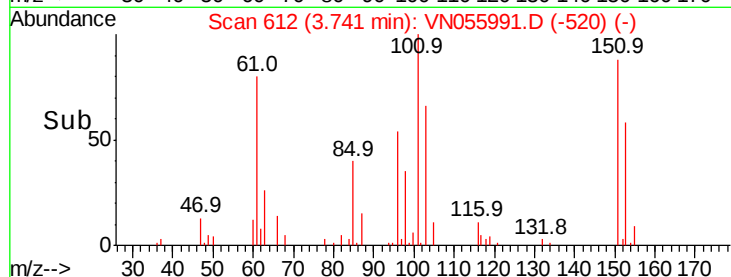
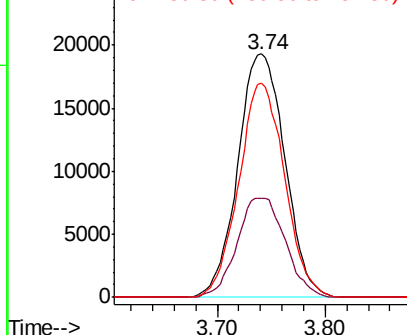


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.149 ug/l

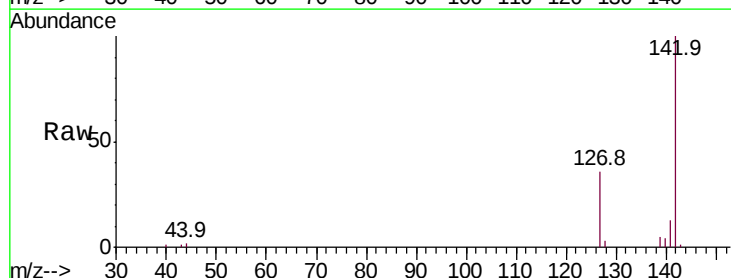
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion:	142	Resp:	89370
Ion Ratio	Lower	Upper	
142	100		
127	37.3	31.0	46.4
141	13.9	11.4	17.0

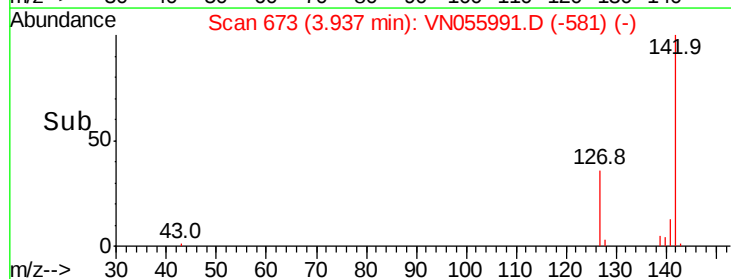
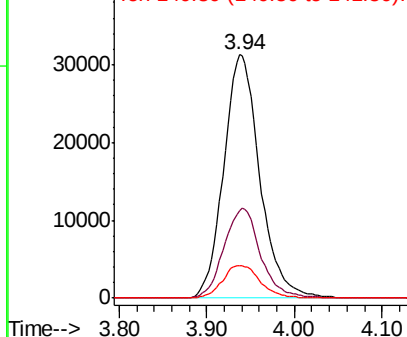


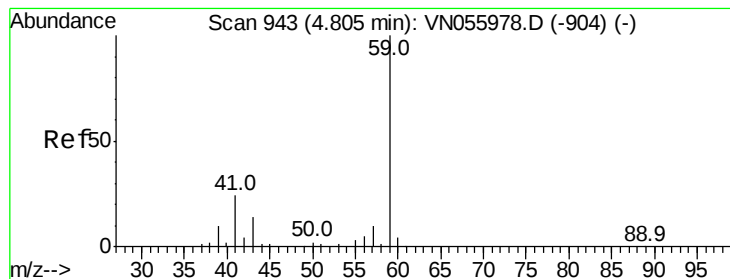
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

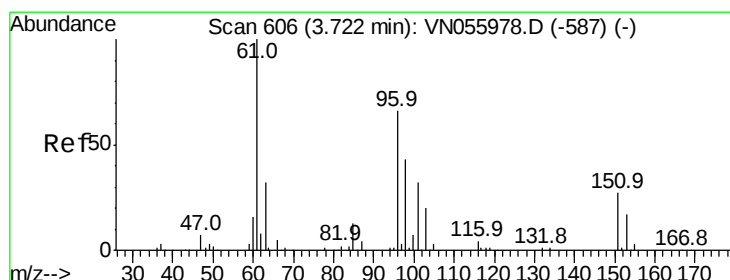
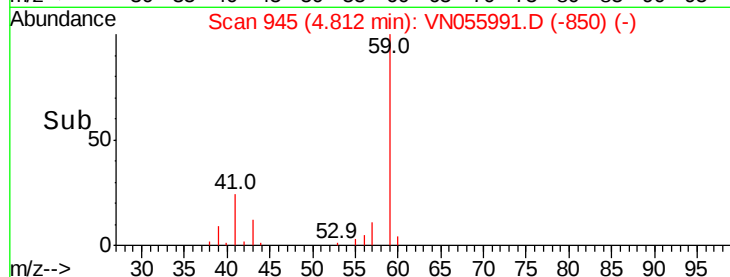
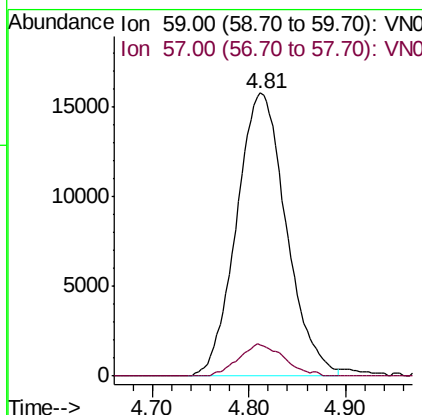
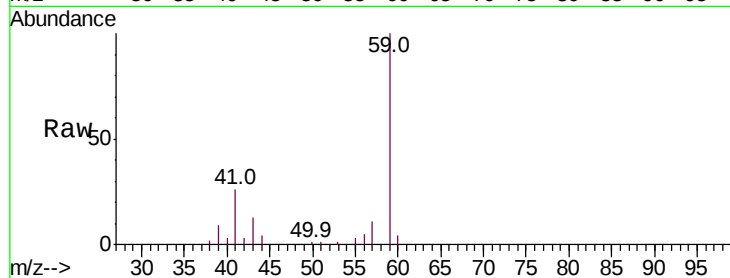
Tert butyl alcohol
Concen: 98.668 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.01 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VN0604MBSD01

Tot Ion	59	57	Ratio	100	10.4	Resp	56433	Lower	Upper
59	100								
57		10.4						7.8	11.6

Manual Integrations
APPROVED

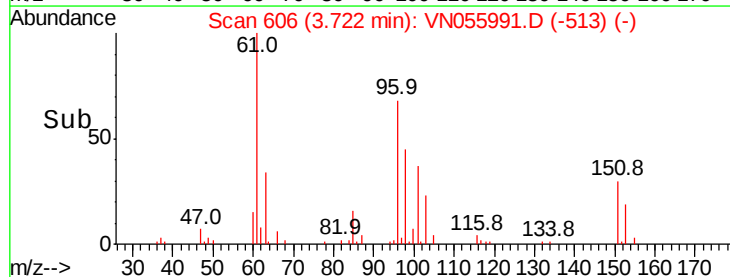
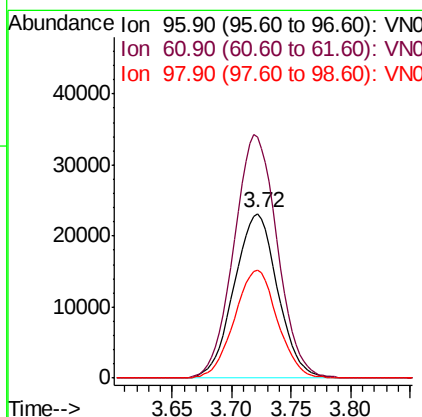
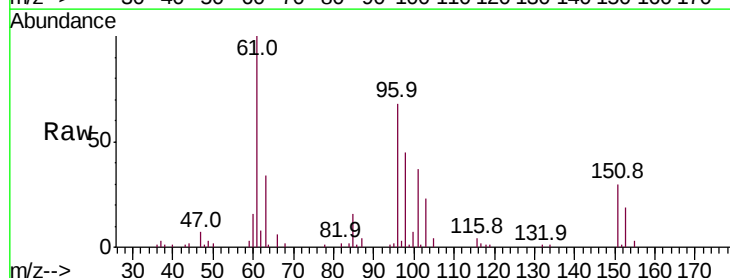
MMDadoda
6/5/2019 4:04:04 PM

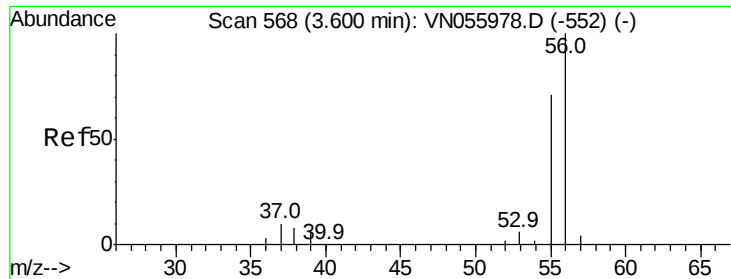


#12

1,1-Dichloroethene
Concen: 21.096 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion	96	61	98	Ratio	100	146.4	65.9	Resp	58622	Lower	Upper
96	100										
61		146.4								123.2	184.8
98		65.9								50.4	75.6





#13

Acrolein

Concen: 104.278 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 56 Resp: 17201

Ion Ratio Lower Upper

56 100

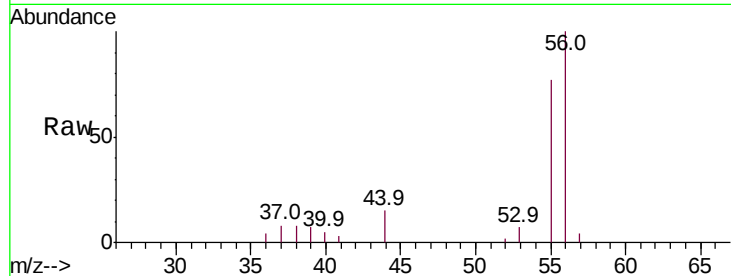
55 73.8 55.4 83.2

Manual Integrations

APPROVED

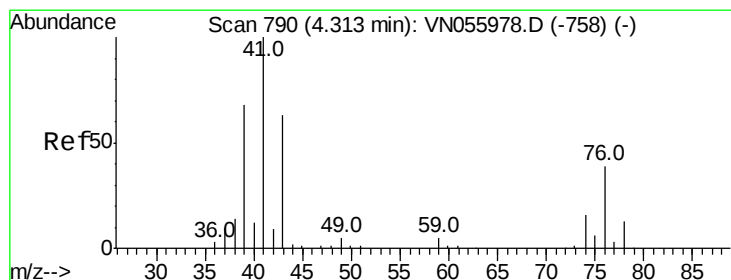
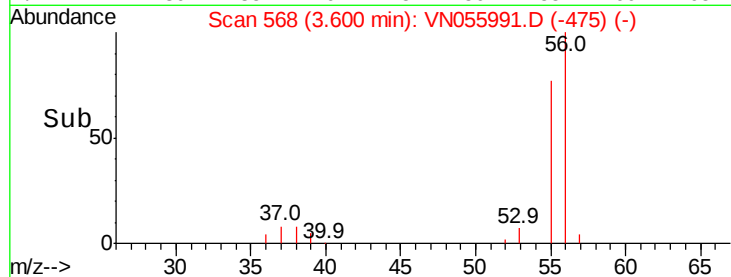
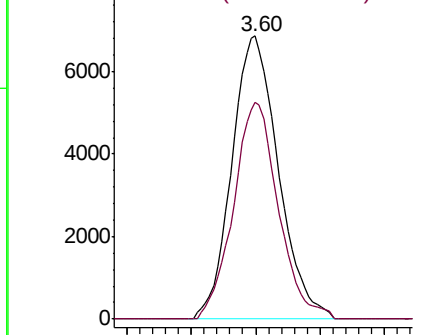
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.262 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

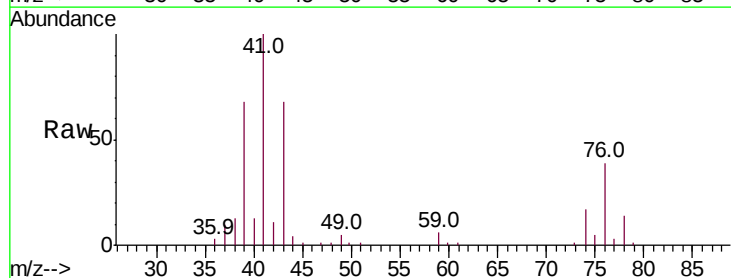
Tgt Ion: 41 Resp: 88906

Ion Ratio Lower Upper

41 100

39 63.2 50.0 75.0

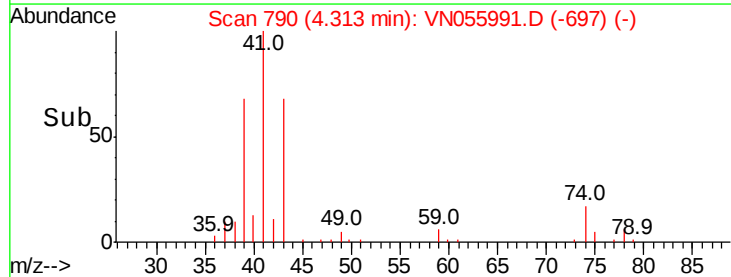
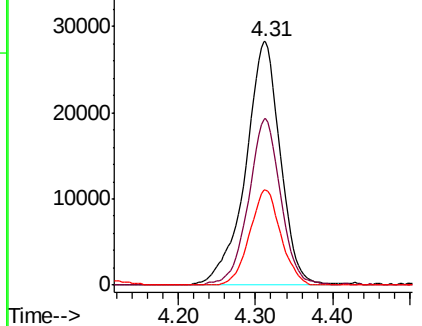
76 34.9 28.2 42.2

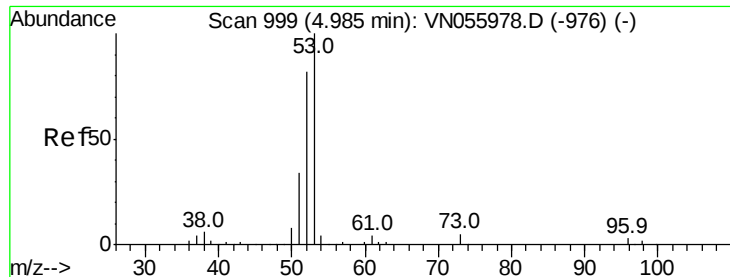


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.216 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

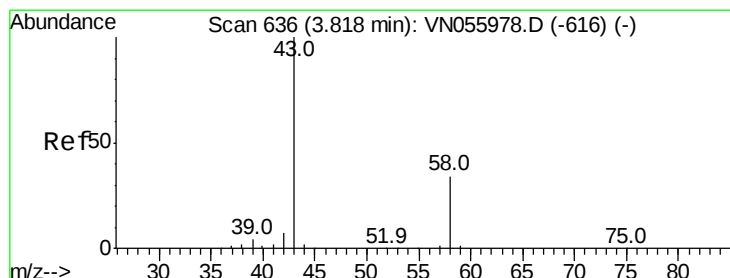
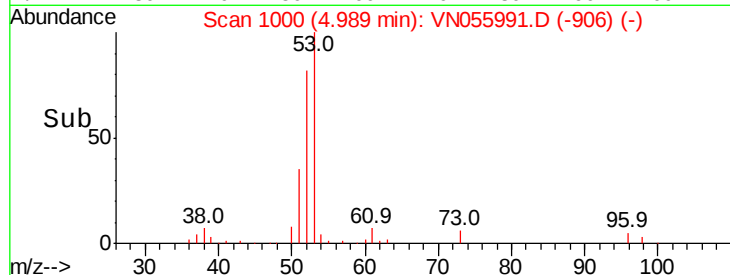
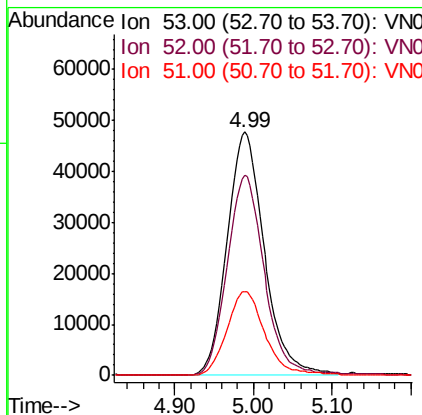
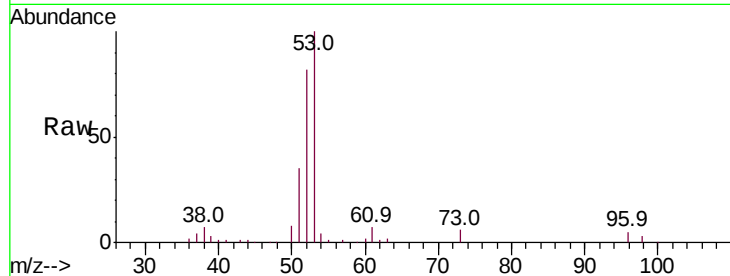
ClientSampleId :

VN0604MBSD01

Tot Ion:	53	Resp:	157628
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
APPROVED

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6/5/2019 4:04:04 PM



#16

Acetone

Concen: 86.955 ug/l

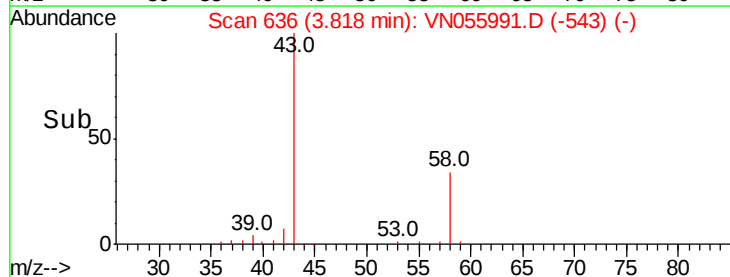
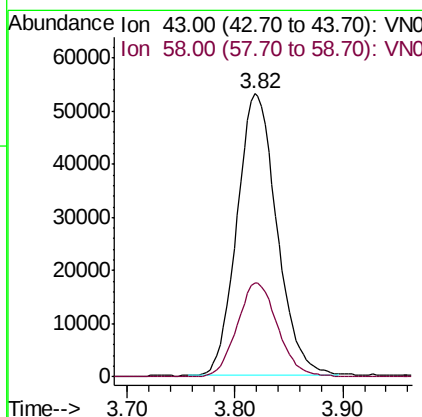
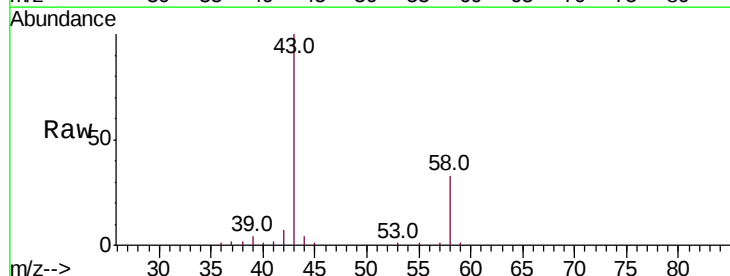
RT: 3.82 min Scan# 636

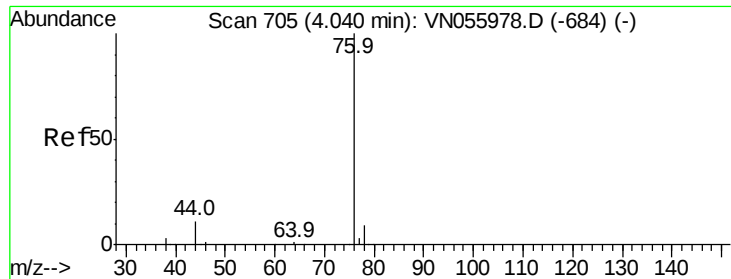
Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion:	43	Resp:	136685
Ion Ratio	Lower	Upper	
43	100		
58	33.6	26.6	39.8





#17

Carbon Disulfide

Concen: 19.329 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 76 Resp: 128606

Ion Ratio Lower Upper

76 100

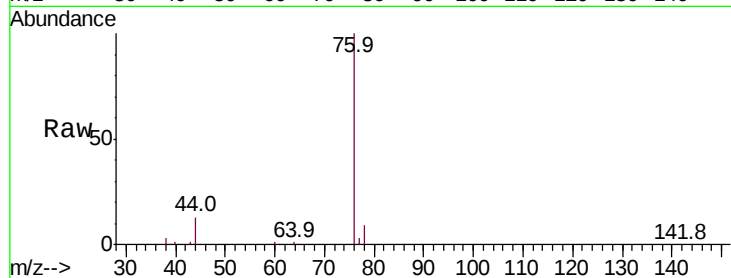
78 9.2 7.4 11.2

Manual Integrations

APPROVED

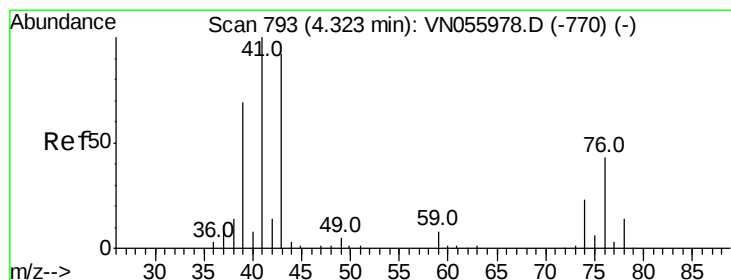
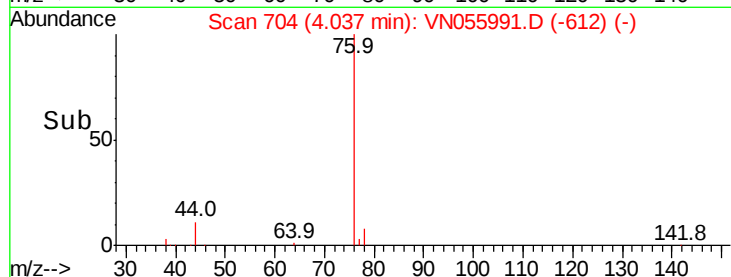
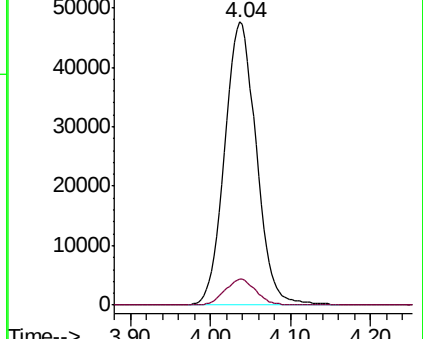
MMDadoda

6/5/2019 4:04:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.337 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055991.D

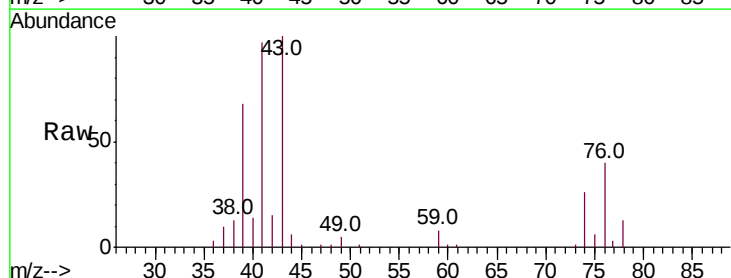
Acq: 4 Jun 2019 15:14

Tgt Ion: 43 Resp: 69956

Ion Ratio Lower Upper

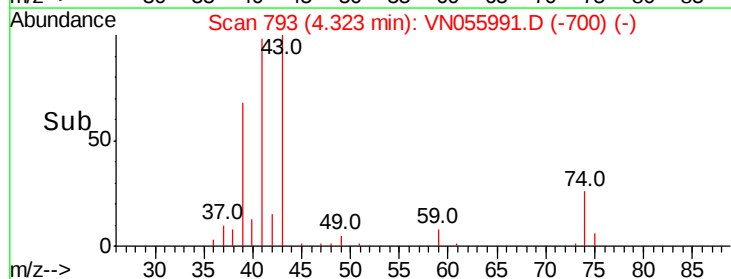
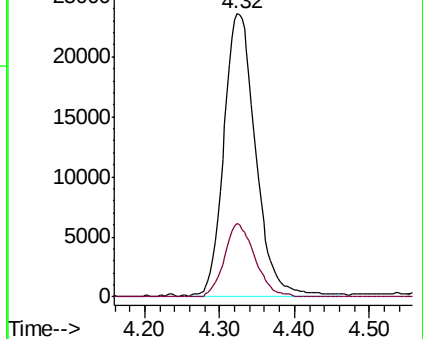
43 100

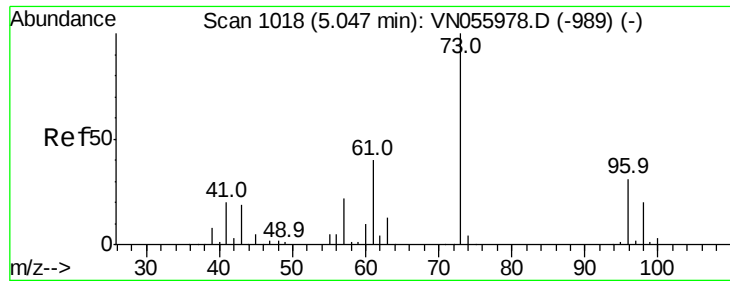
74 24.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





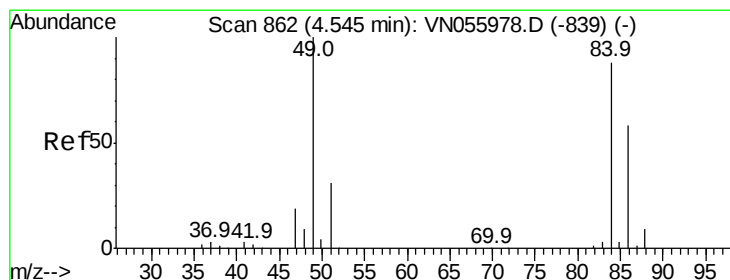
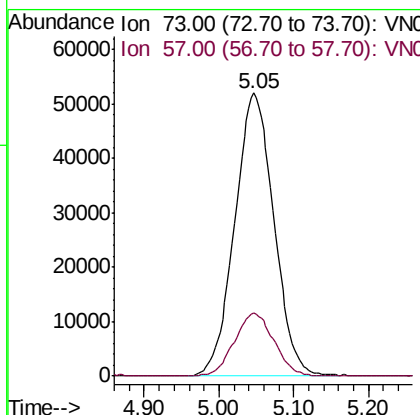
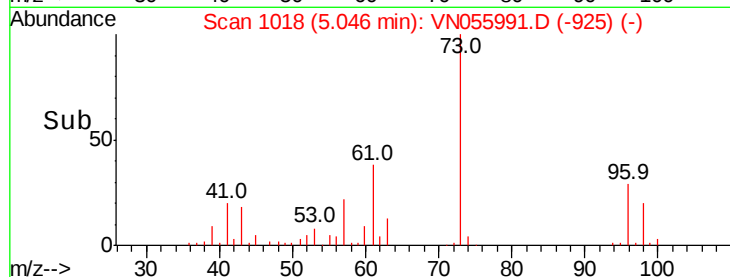
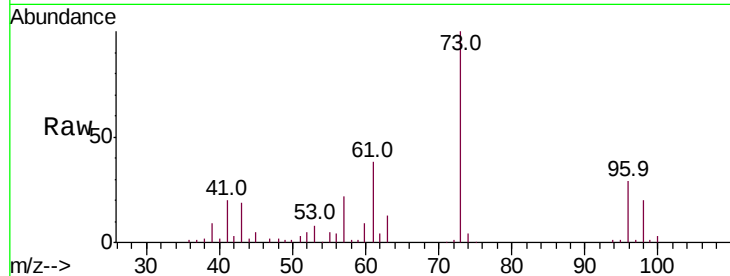
#19
Methyl tert-butyl Ether
Concen: 21.326 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion: 73 Resp: 188891
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.8

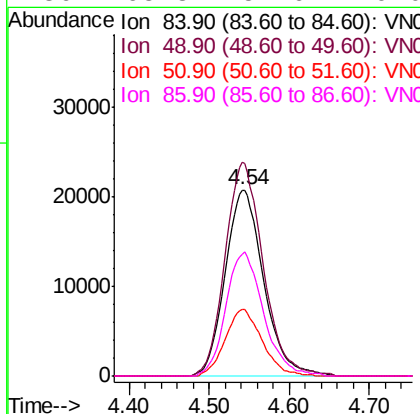
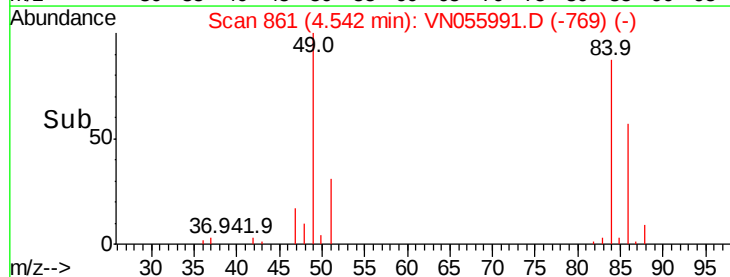
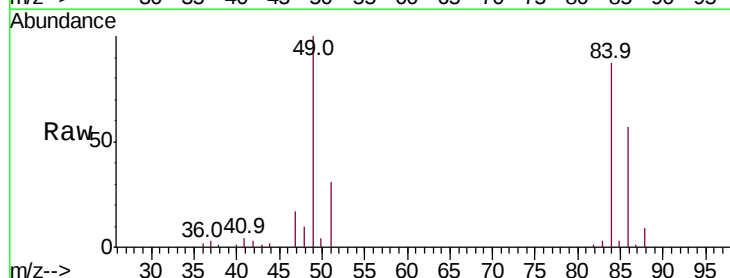
Manual Integrations
APPROVED

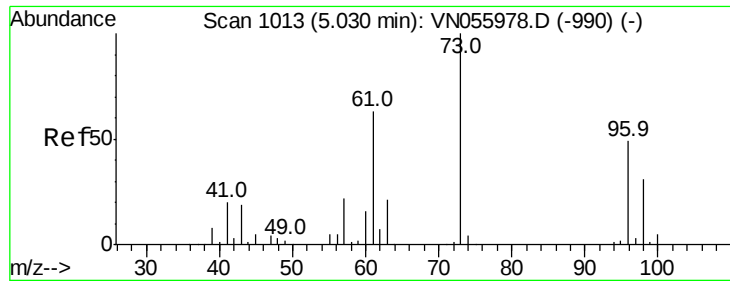
MMDadoda
6/5/2019 4:04:04 PM



#20
Methylene Chloride
Concen: 21.001 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 84 Resp: 68013
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 36.2 28.6 43.0
86 65.8 52.6 79.0





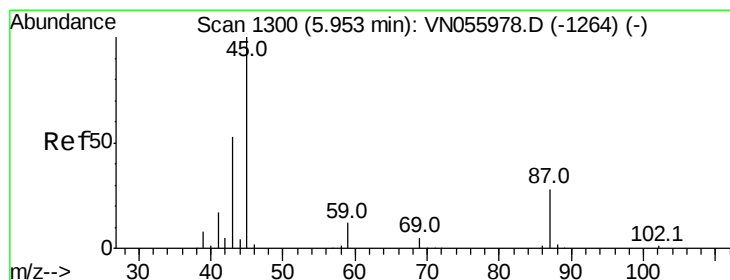
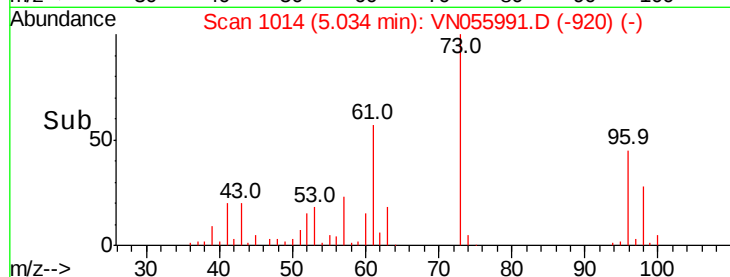
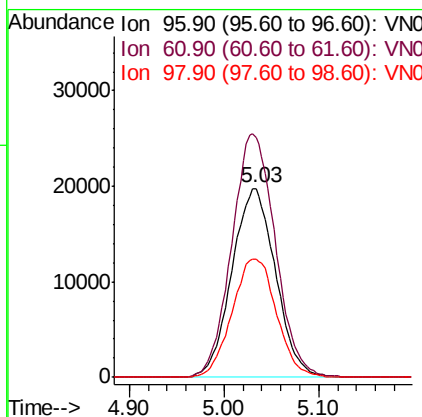
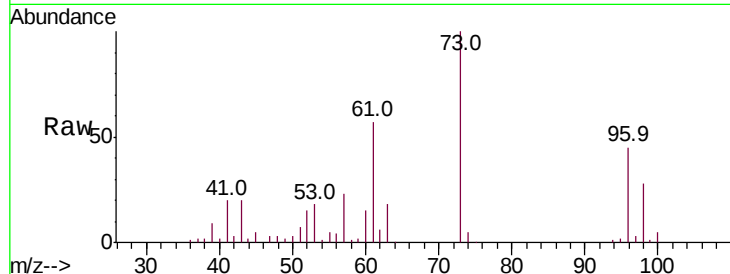
#21
trans-1,2-Dichloroethene
Concen: 21.235 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.2	107.8	161.8
98	62.5	49.8	74.8

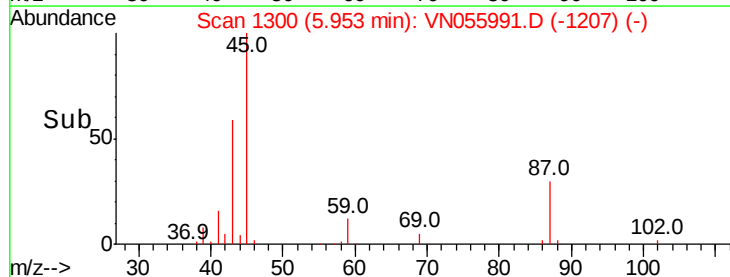
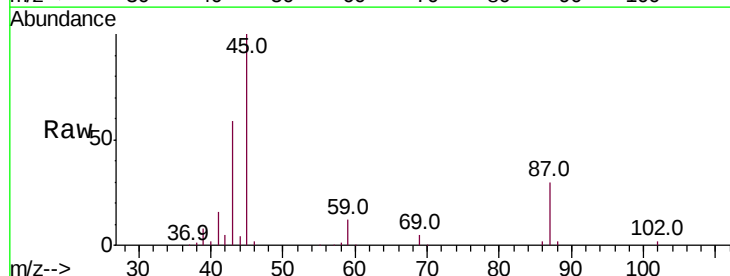
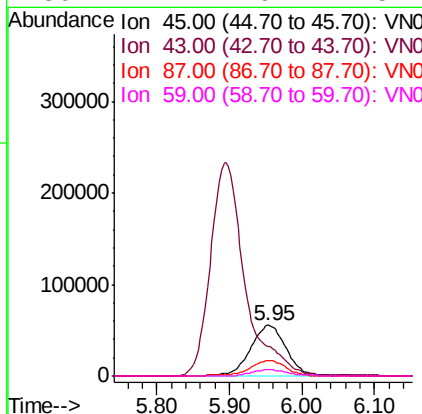
Manual Integrations
APPROVED

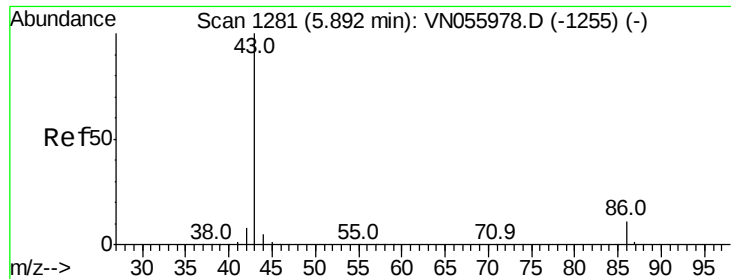
MMDadoda
6/5/2019 4:04:04 PM



#22
Diisopropyl ether
Concen: 21.046 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.0	45.0	67.6
87	29.9	22.2	33.4
59	12.1	9.1	13.7





#23

Vinyl Acetate

Concen: 108.037 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 43 Resp: 771694

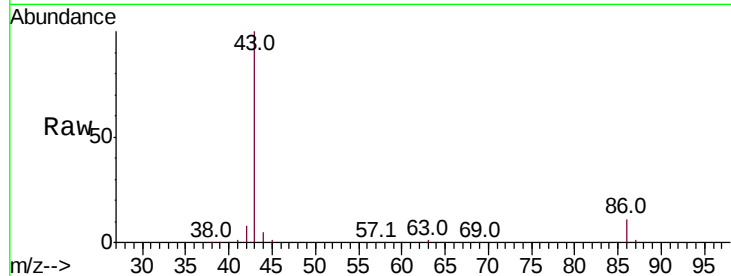
Ion Ratio Lower Upper

43 100

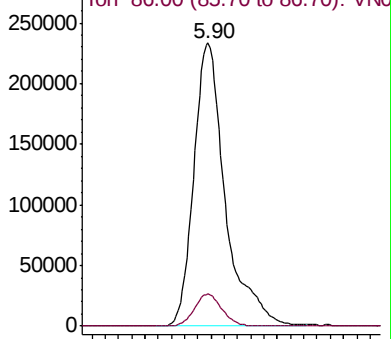
86 11.3 8.6 13.0

Manual Integrations
APPROVED

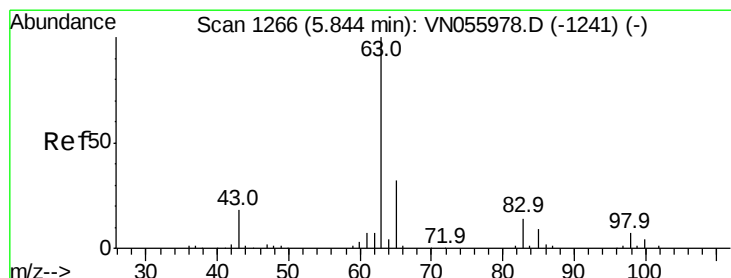
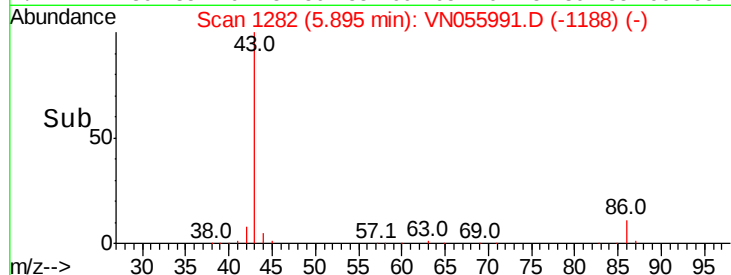
MMDadoda
6/5/2019 4:04:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN055991.D (-1255) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 20.979 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

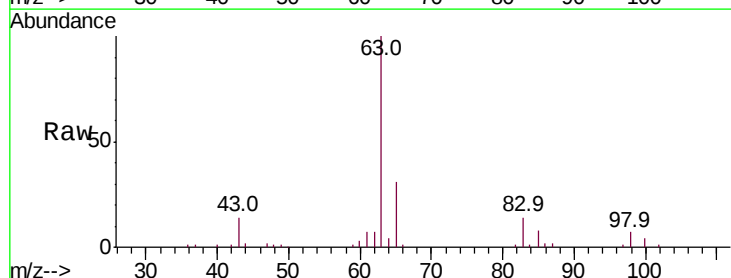
Tgt Ion: 63 Resp: 109763

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

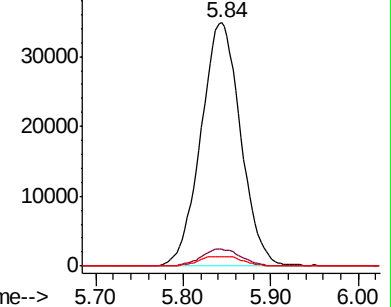
100 4.0 2.2 6.6



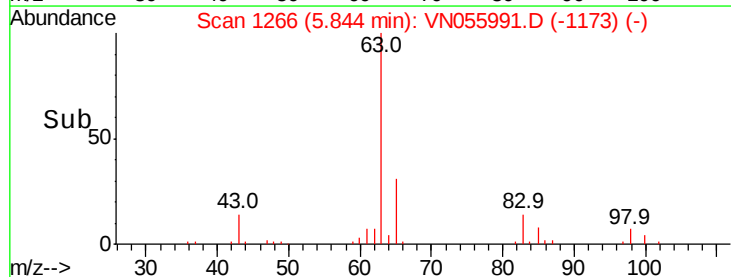
Abundance Ion 62.90 (62.60 to 63.60): VN055991.D (-1241) (-)

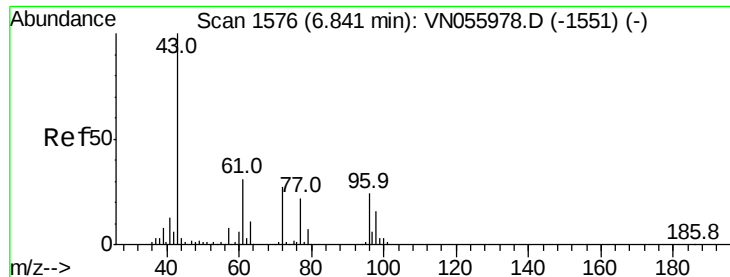
Ion 97.90 (97.60 to 98.60): VN055991.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055991.D (-1241) (-)



Time-->





#25

2-Butanone

Concen: 104.746 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 43 Resp: 208030

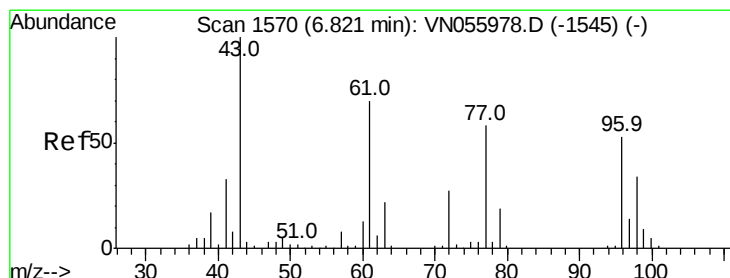
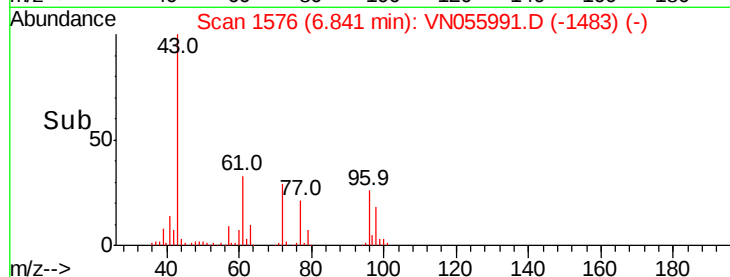
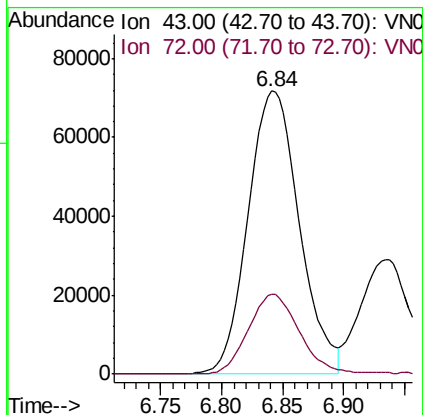
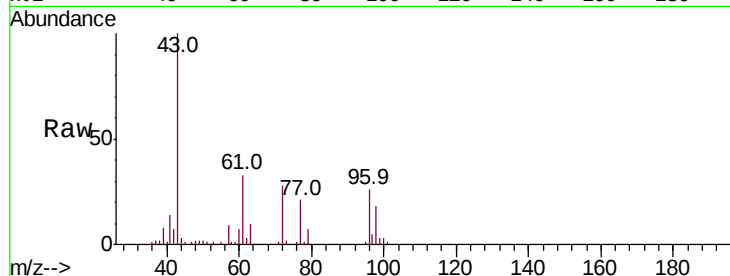
Ion Ratio Lower Upper

43 100

72 28.5 21.9 32.9

Manual Integrations
APPROVED

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6/5/2019 4:04:04 PM



#26

2,2-Dichloropropane

Concen: 18.588 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055991.D

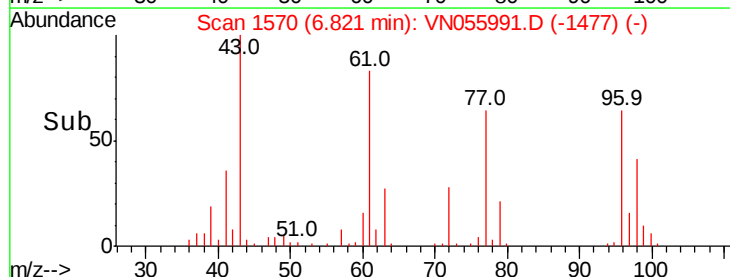
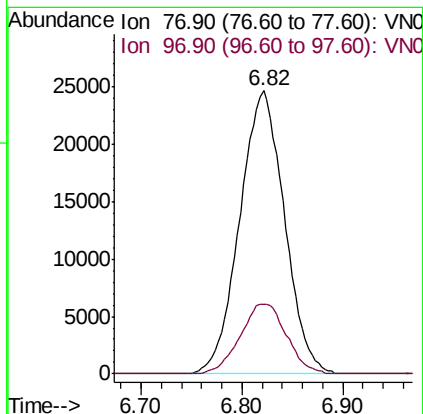
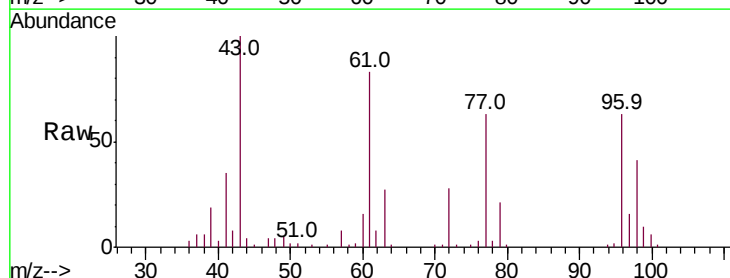
Acq: 4 Jun 2019 15:14

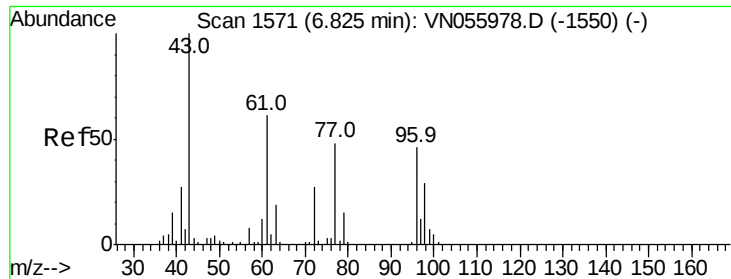
Tgt Ion: 77 Resp: 75890

Ion Ratio Lower Upper

77 100

97 25.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.071 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 96 Resp: 73744

Ion Ratio Lower Upper

96 100

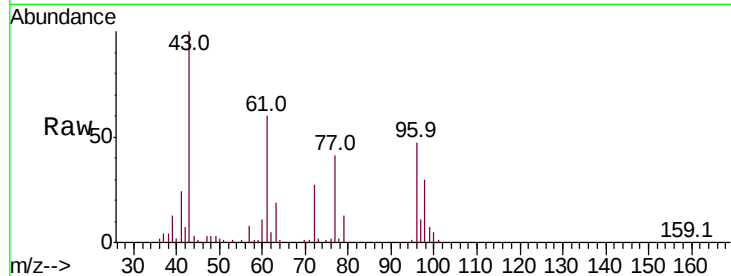
61 130.8 0.0 275.8

98 64.8 0.0 128.4

Manual Integrations
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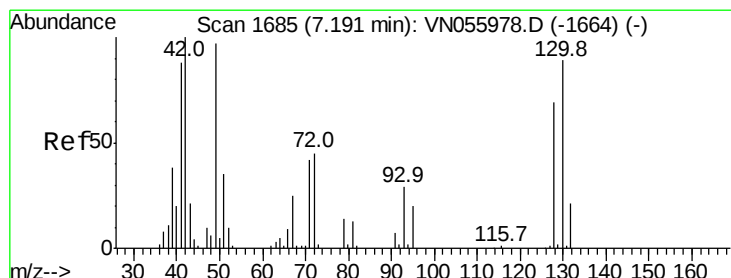
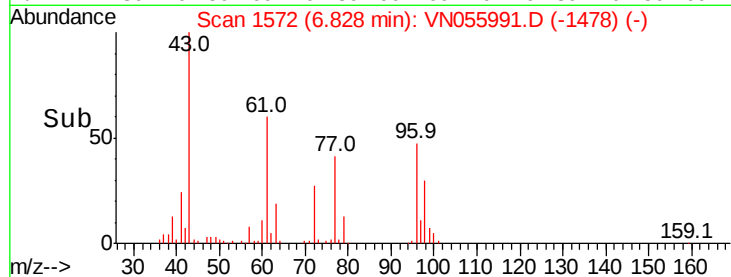
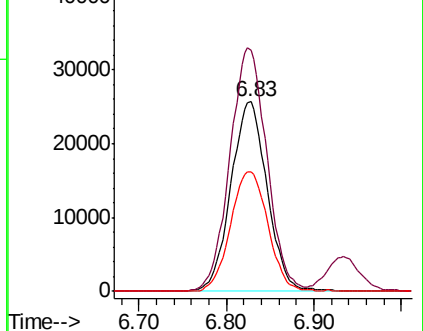
6/5/2019 4:04:04 PM



Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1550) (-)



#28

Bromochloromethane

Concen: 20.493 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

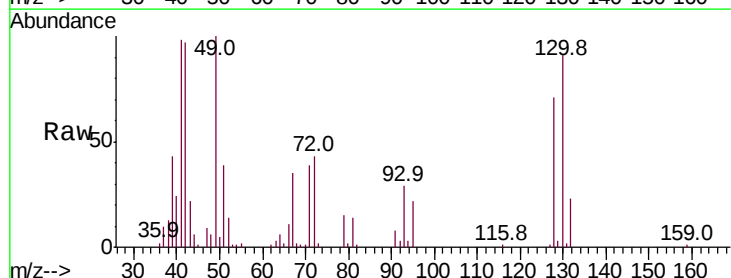
Tgt Ion: 49 Resp: 50705

Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.4

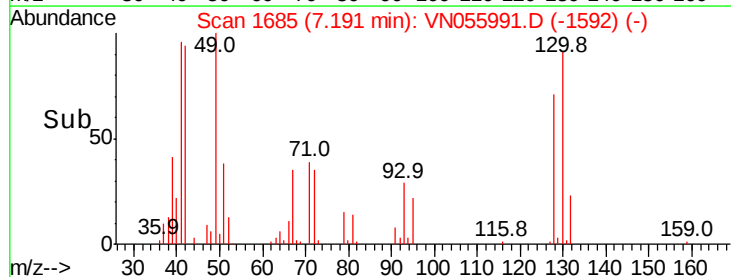
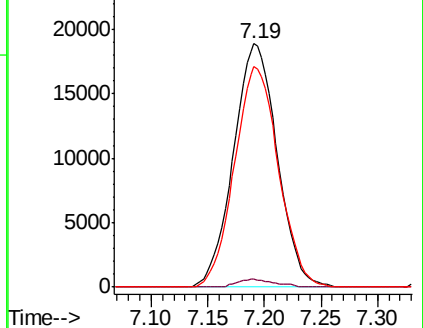
130 91.0 71.2 106.8

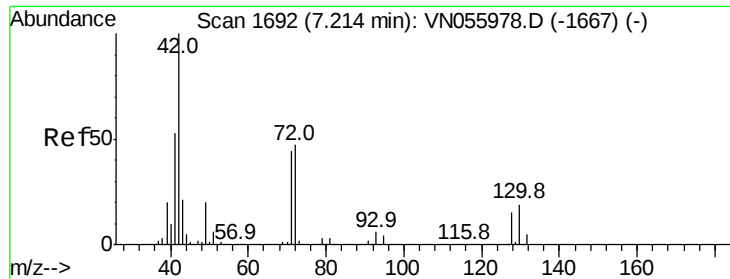


Abundance Ion 48.90 (48.60 to 49.60): VN055978.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN055978.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN055978.D (-1664) (-)





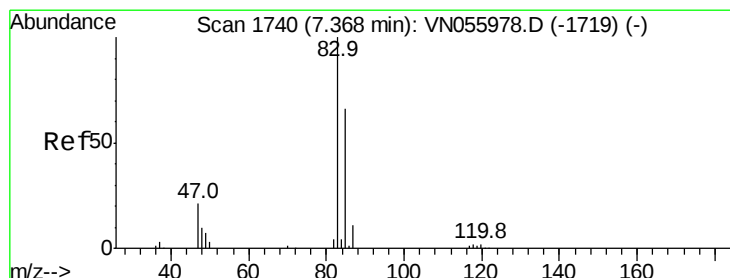
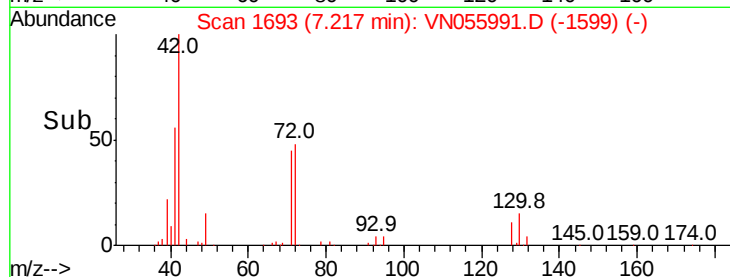
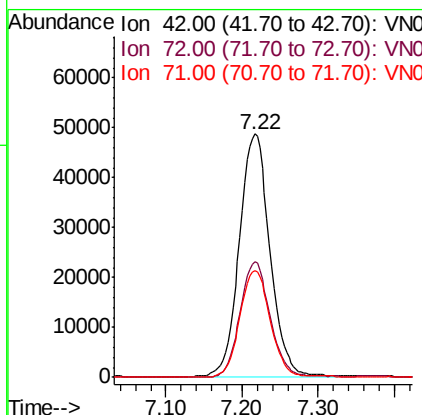
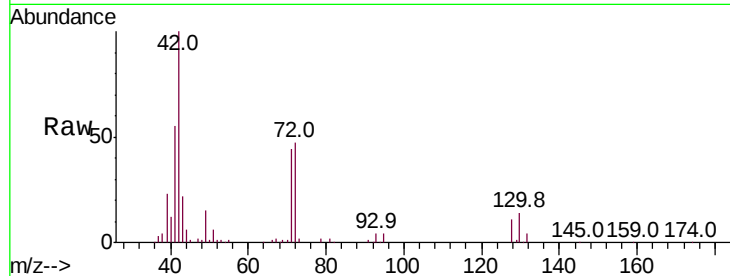
#29
Tetrahydrofuran
Concen: 112.230 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.9	53.9
71	43.2	34.0	51.0

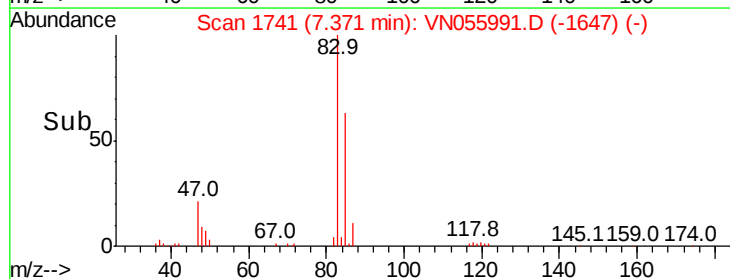
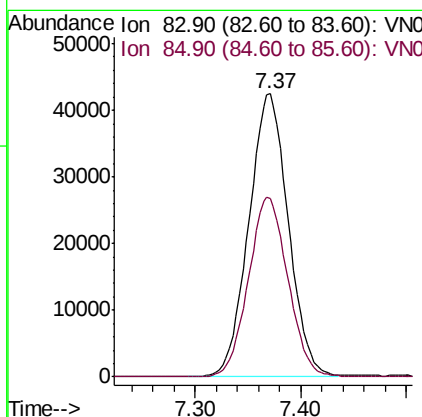
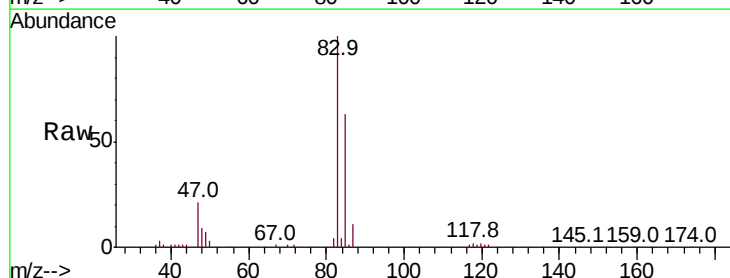
Manual Integrations
APPROVED

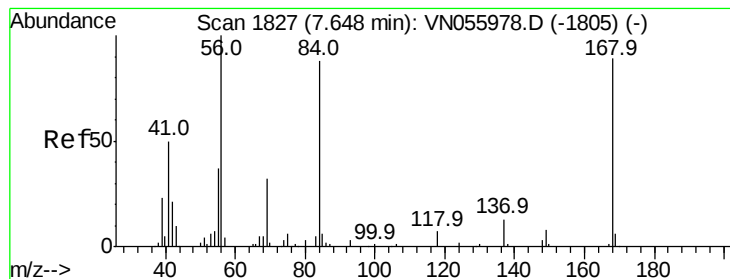
MMDadoda
6/5/2019 4:04:04 PM



#30
Chloroform
Concen: 21.049 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.8





#31

Cyclohexane

Concen: 20.724 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 56 Resp: 108080

Ion Ratio Lower Upper

56 100

69 36.7 25.6 38.4

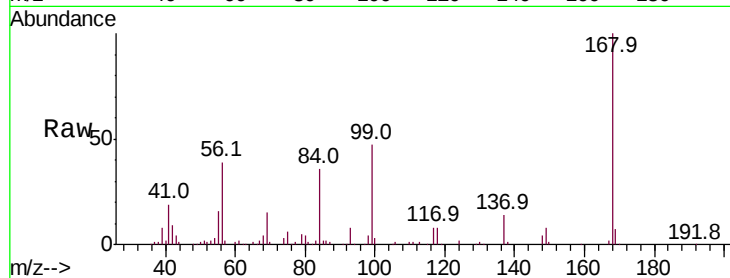
84 91.6 67.4 101.0

Manual Integrations

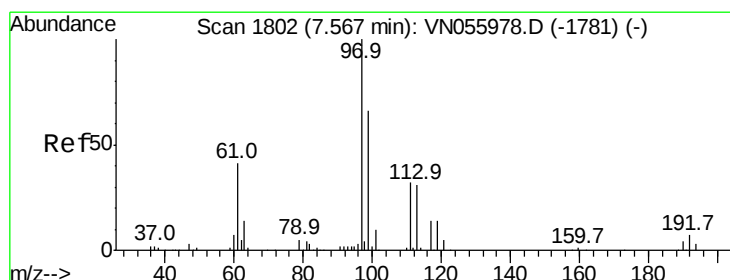
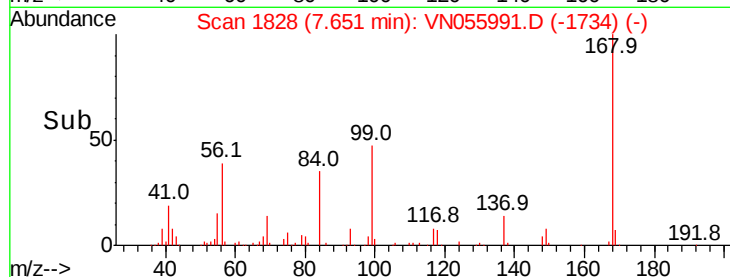
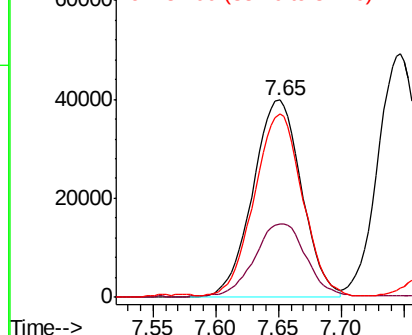
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 20.737 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

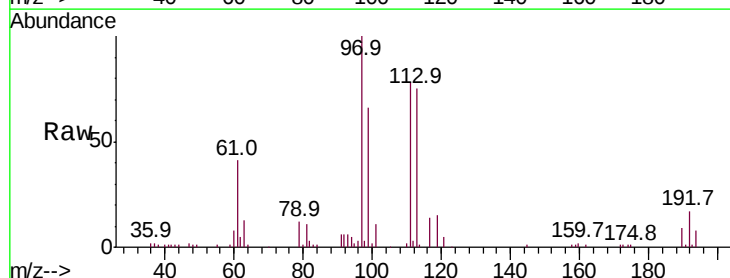
Tgt Ion: 97 Resp: 91142

Ion Ratio Lower Upper

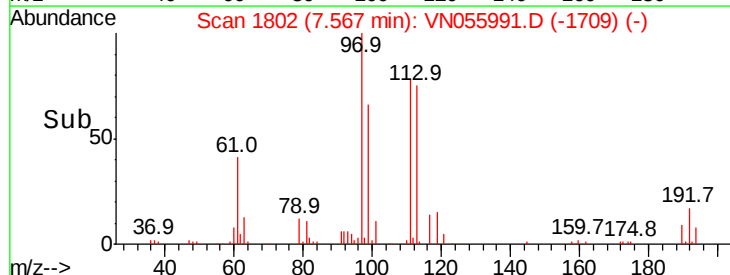
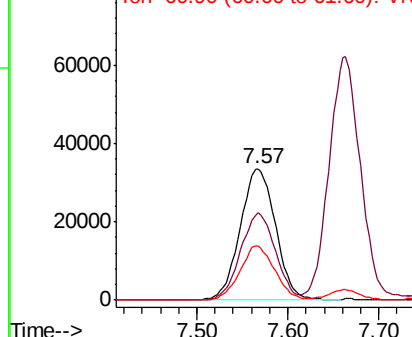
97 100

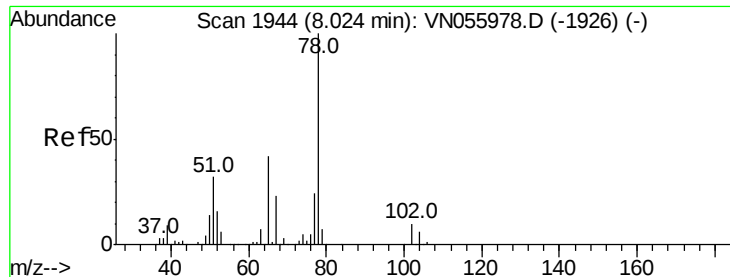
99 64.6 52.0 78.0

61 40.2 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





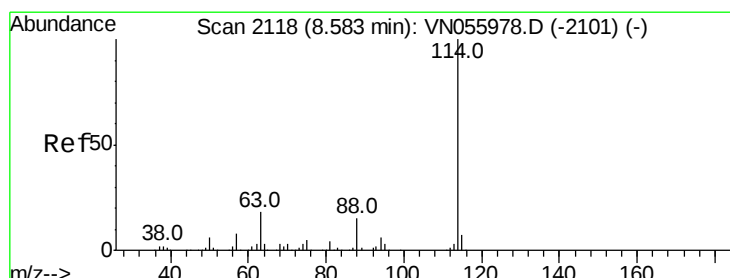
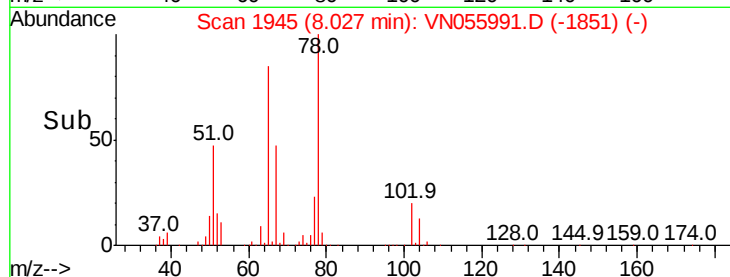
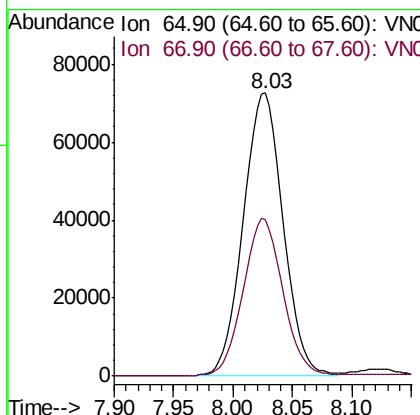
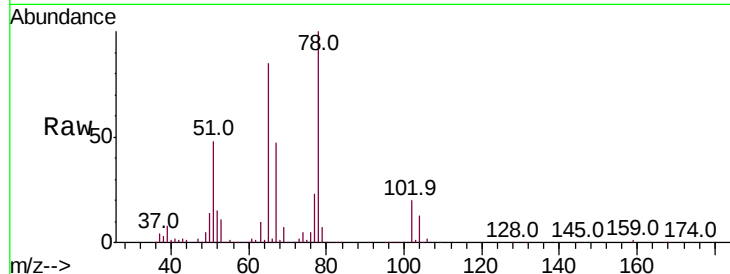
#33
 1,2-Dichloroethane-d4
 Concen: 51.364 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	168816		
67	56.2	0.0	109.2	

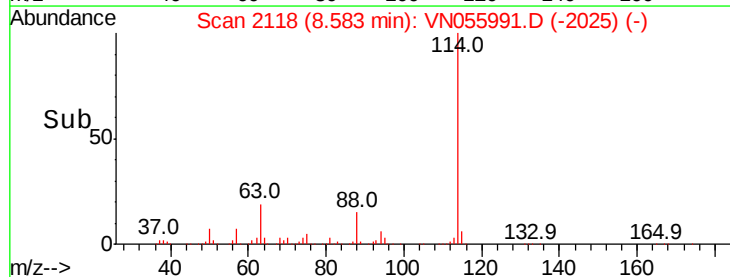
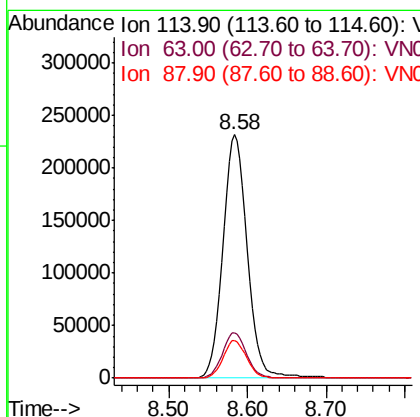
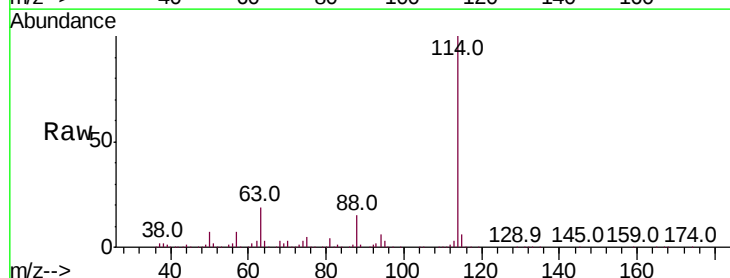
Manual Integrations
 APPROVED

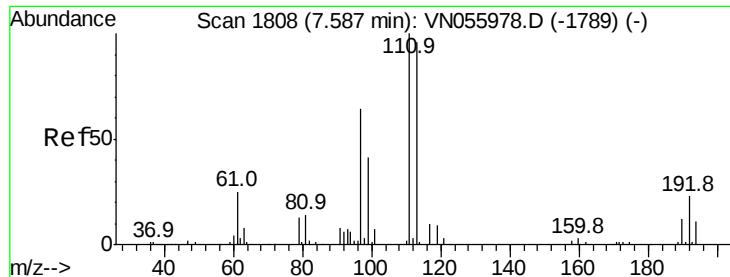
MMDadoda
 6/5/2019 4:04:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	493334		
63	18.7	0.0	39.2	
88	15.4	0.0	31.0	





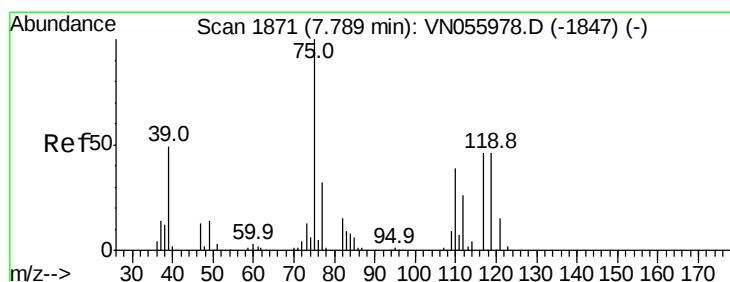
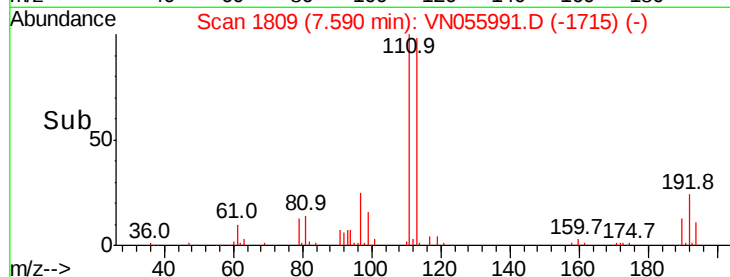
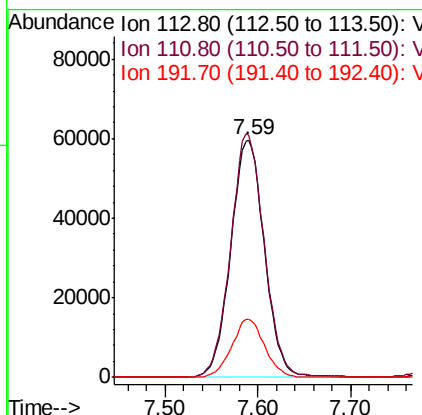
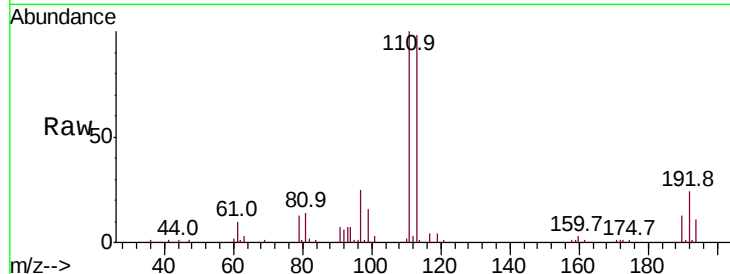
#35
Dibromofluoromethane
Concen: 49.555 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	81.9	122.9	
192	23.9	19.5	29.3	

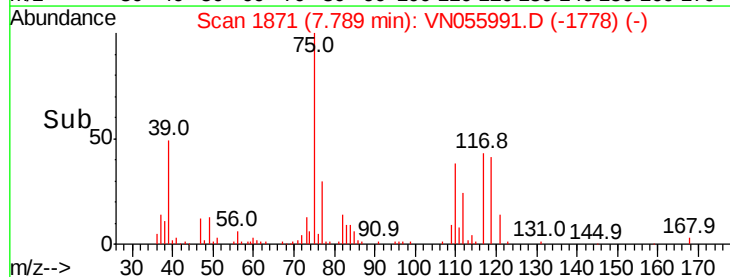
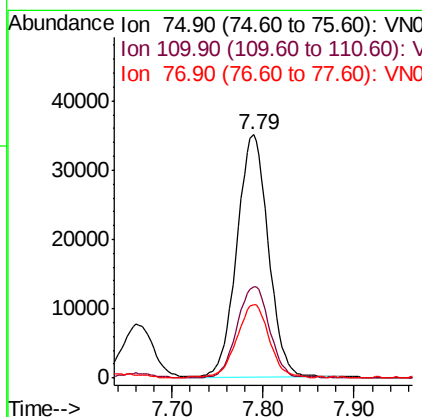
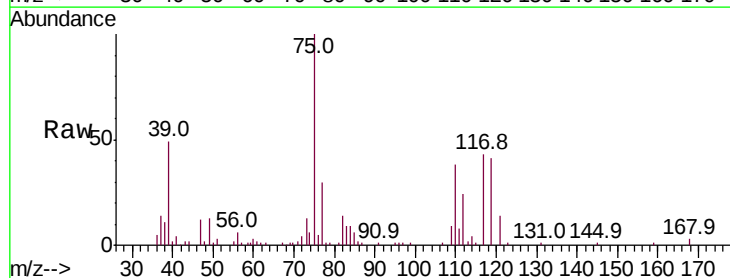
Manual Integrations
APPROVED

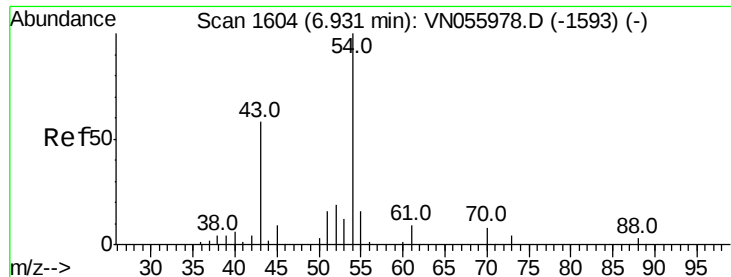
MMDadoda
6/5/2019 4:04:04 PM



#36
1,1-Dichloropropene
Concen: 19.876 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.1	19.0	57.0	
77	31.3	25.1	37.7	





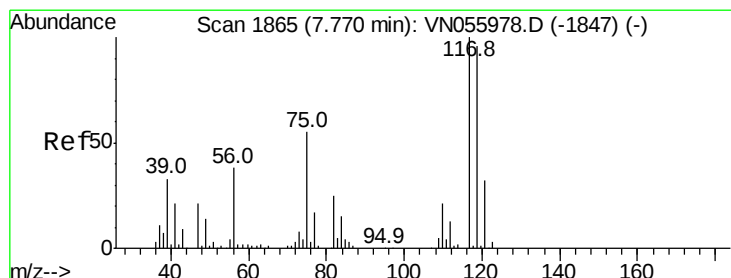
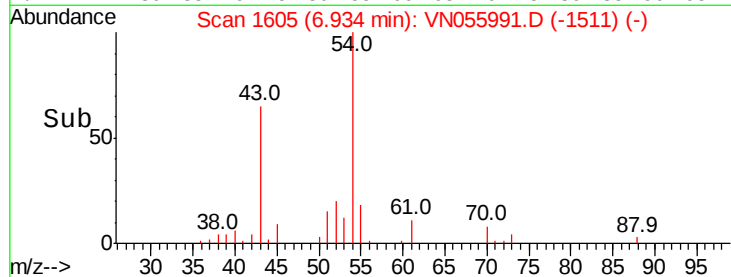
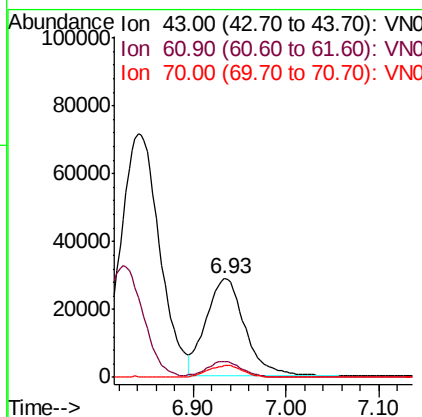
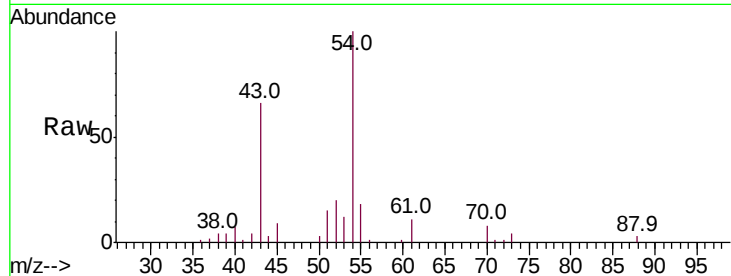
#37
Ethyl Acetate
Concen: 22.174 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleID :
VN0604MBSD01

Tot Ion: 43 Resp: 83692
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.2
70 11.0 8.9 13.3

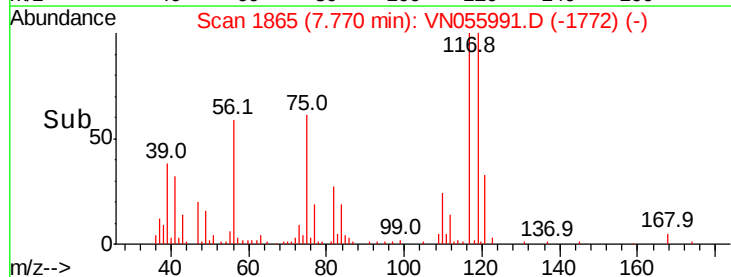
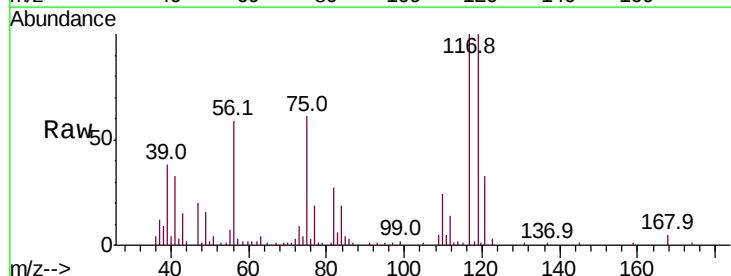
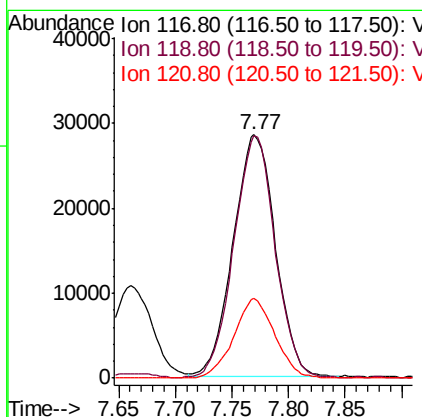
Manual Integrations
APPROVED

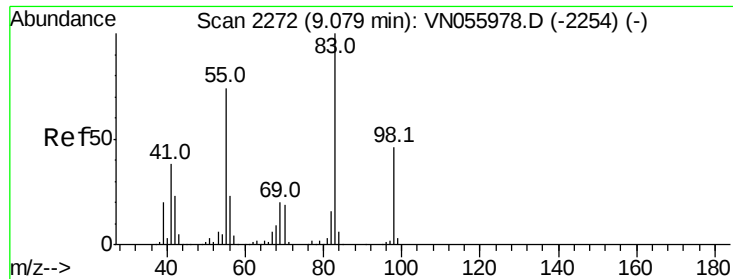
MMDadoda
6/5/2019 4:04:04 PM



#38
Carbon Tetrachloride
Concen: 18.879 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 117 Resp: 73835
Ion Ratio Lower Upper
117 100
119 100.6 79.0 118.6
121 33.1 24.7 37.1





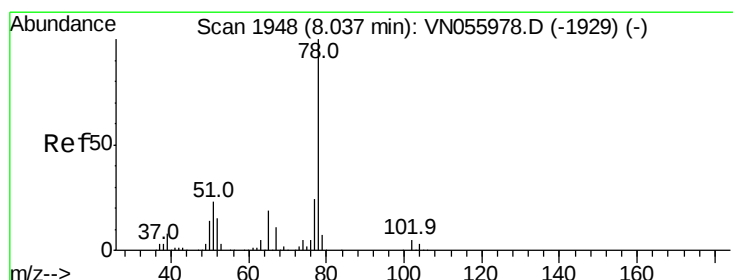
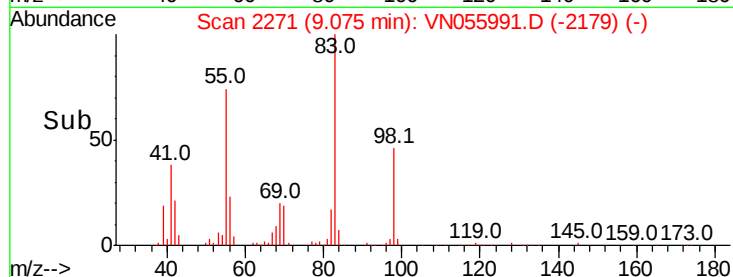
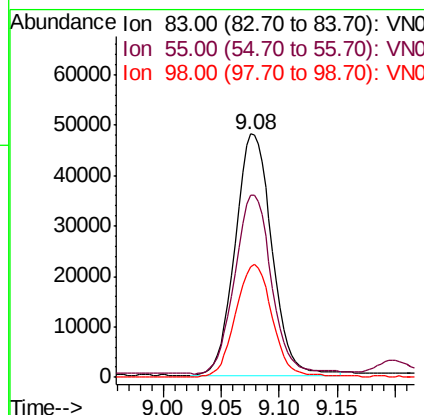
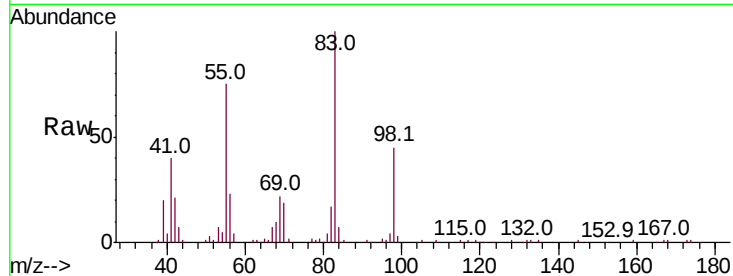
#39
Methvlcvclohexane
Concen: 19.956 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	83	Resp	105453
Ion Ratio	100	Lower	Upper
83	100		
55	73.8	59.3	88.9
98	45.6	36.6	54.8

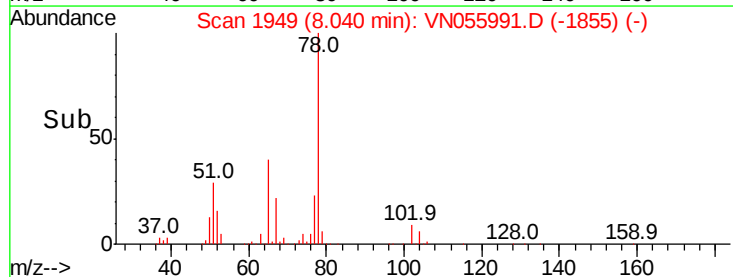
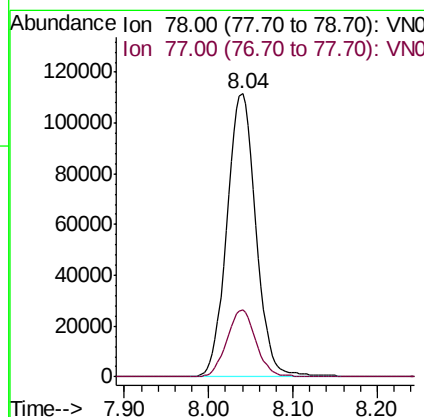
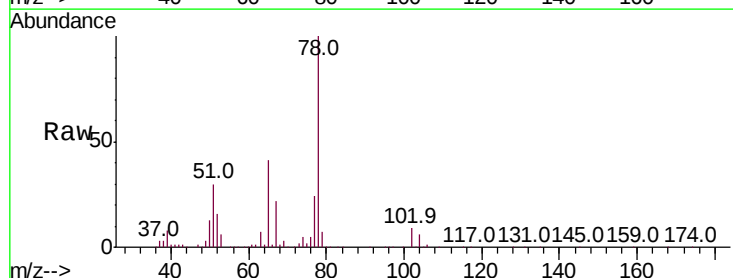
Manual Integrations
APPROVED

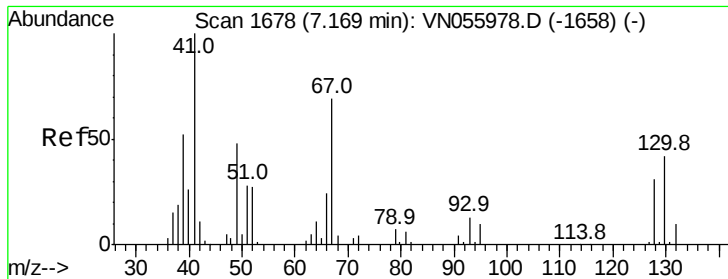
MMDadoda
6/5/2019 4:04:04 PM



#40
Benzene
Concen: 20.734 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion	78	Resp	267128
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.8	28.2





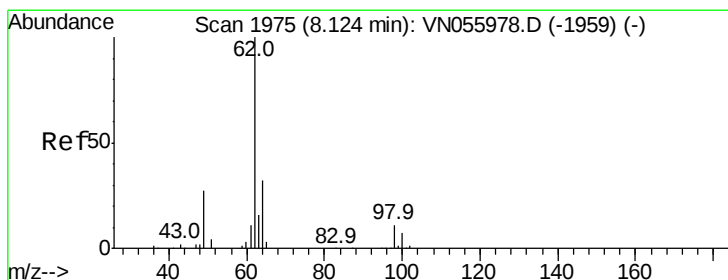
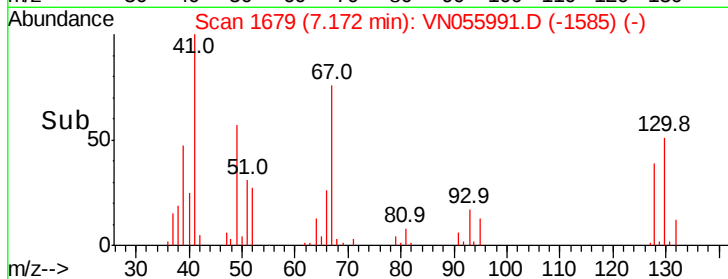
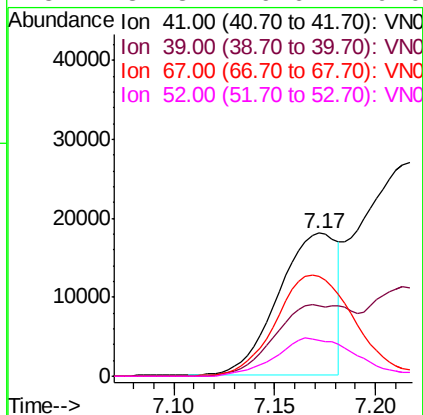
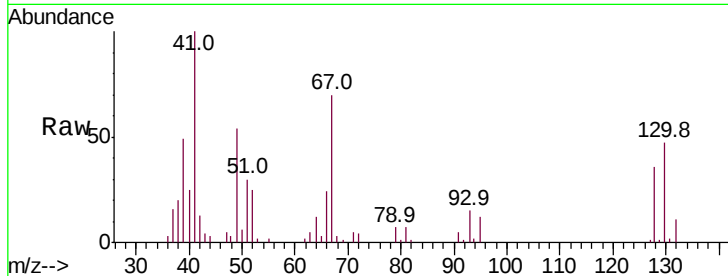
#41
Methacrylonitrile
Concen: 20.855 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.9	45.6	68.4
67	97.8	67.7	101.5
52	37.3	26.6	40.0

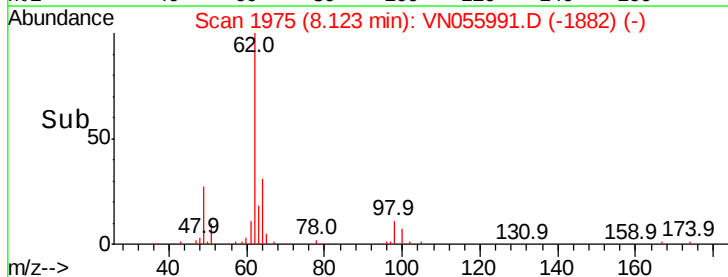
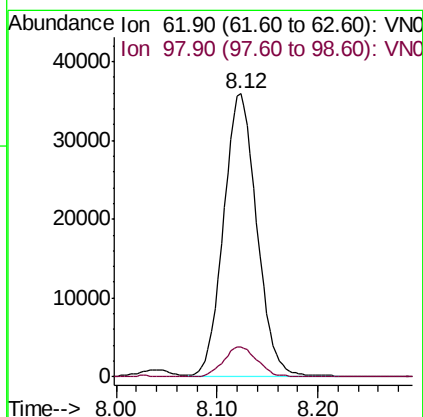
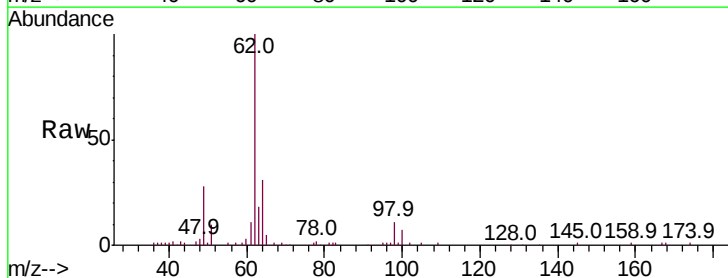
Manual Integrations
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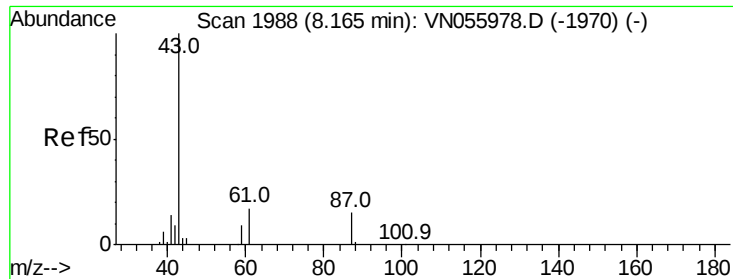
MMDadoda
6/5/2019 4:04:04 PM



#42
1,2-Dichloroethane
Concen: 19.978 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.191 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

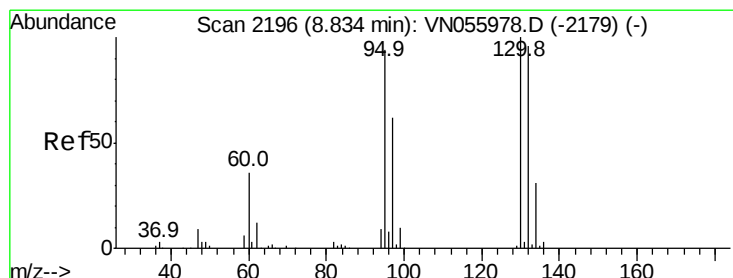
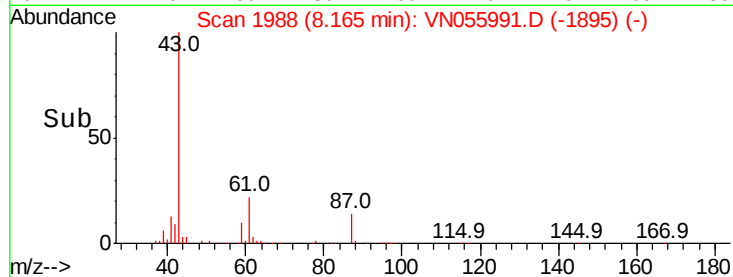
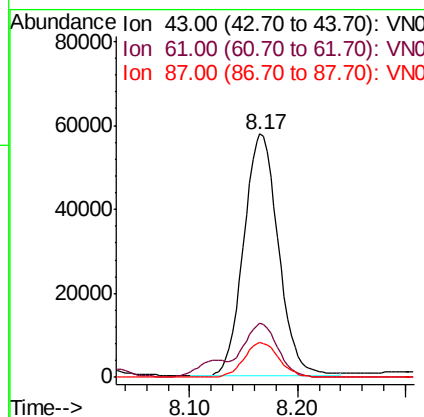
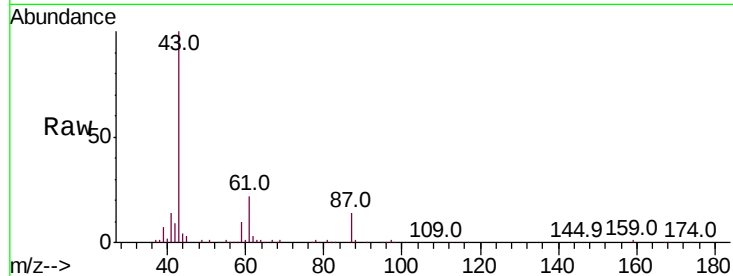
ClientSampleId :

VN0604MBSD01

Tot Ion:	43	Resp:	129606
Ion	Ratio	Lower	Upper
43	100		
61	21.9	22.2	33.4#
87	14.5	11.4	17.2

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#44

Trichloroethene

Concen: 20.494 ug/l

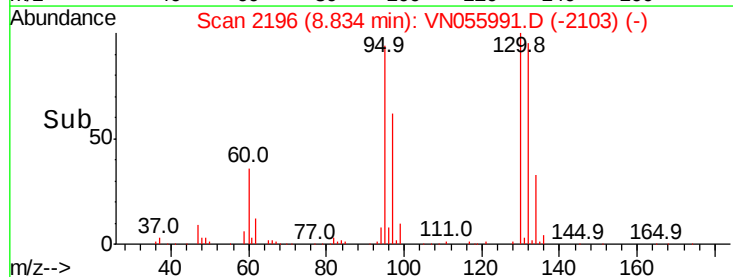
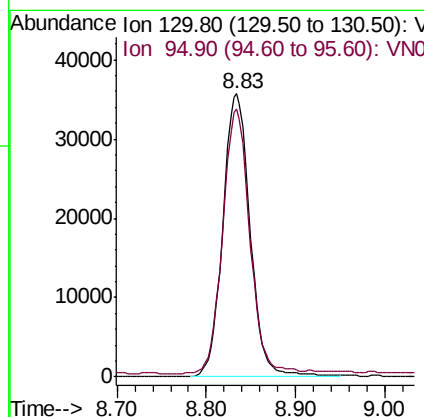
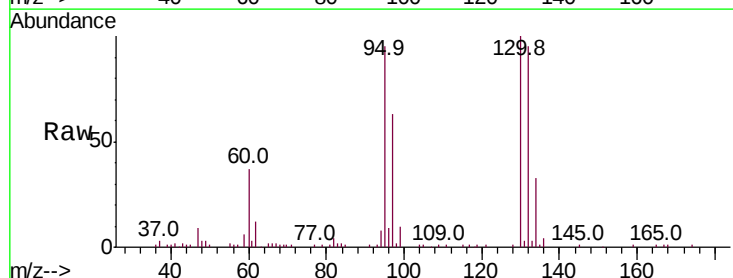
RT: 8.83 min Scan# 2196

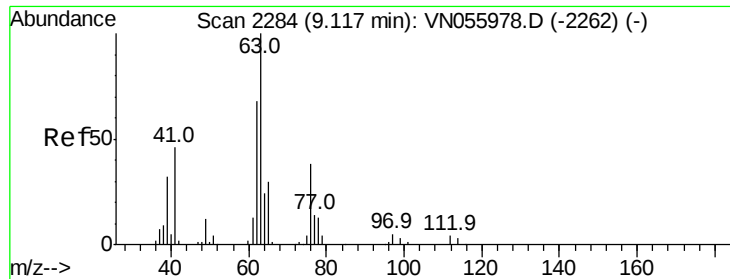
Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion:	130	Resp:	75873
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.714 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 63 Resp: 68358

Ion Ratio Lower Upper

63 100

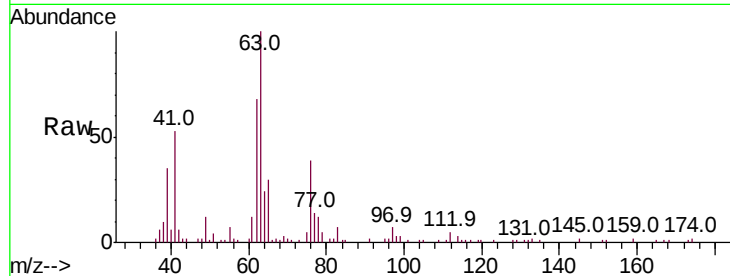
65 29.3 24.6 36.8

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

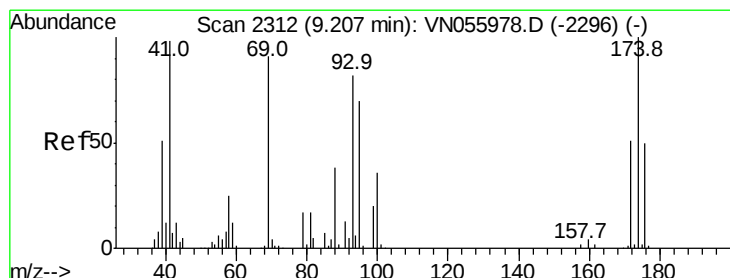
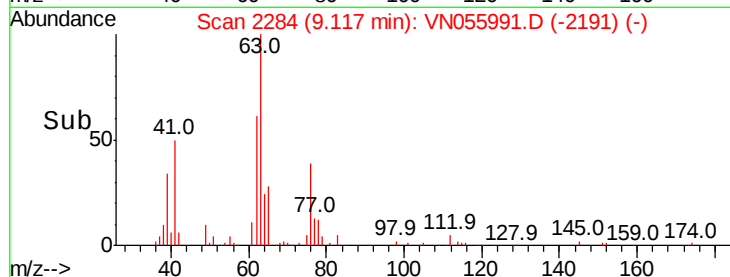
30000

20000

10000

0

Time--> 9.00 9.10 9.20



#46

Dibromomethane

Concen: 20.081 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

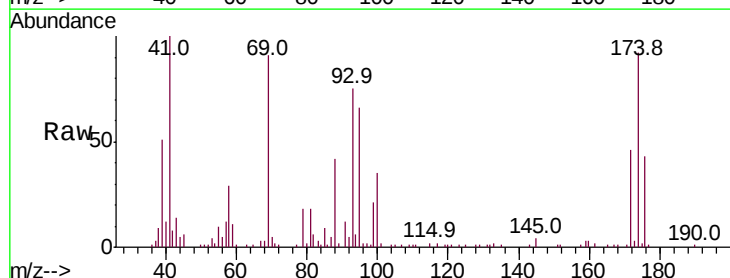
Tgt Ion: 93 Resp: 43336

Ion Ratio Lower Upper

93 100

95 86.2 66.7 100.1

174 123.4 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

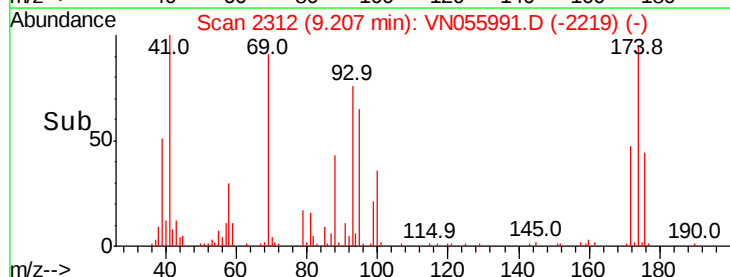
30000

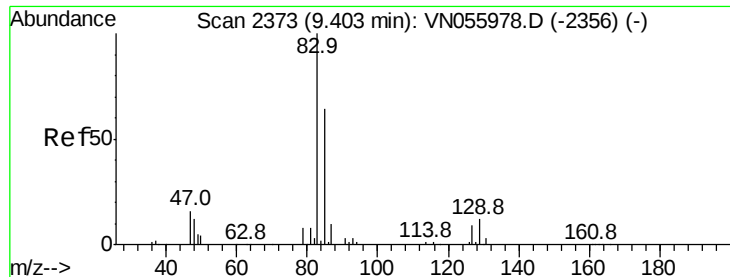
20000

10000

0

Time--> 9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 19.608 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

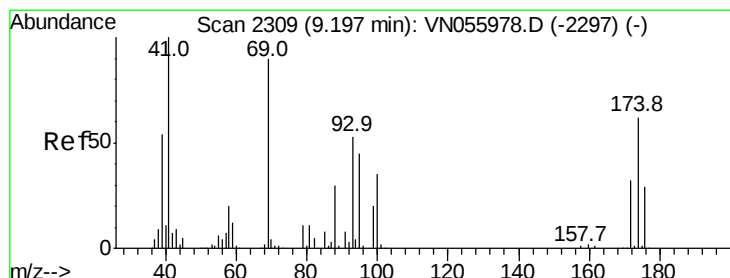
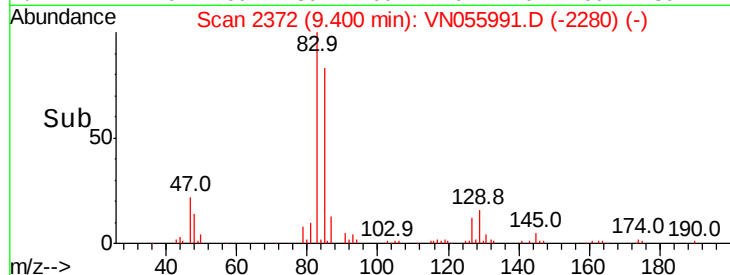
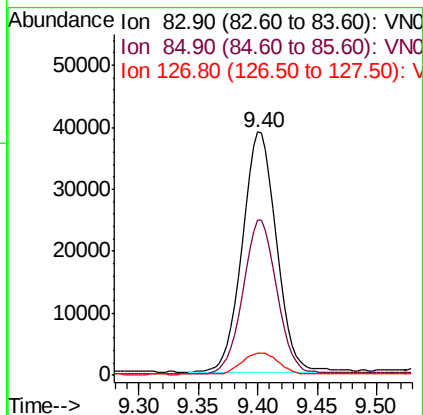
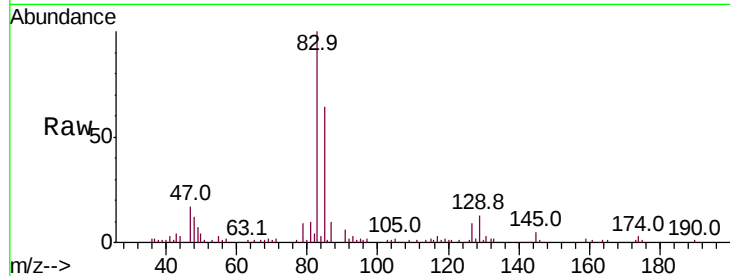
ClientSampled :

VN0604MBSD01

Tot Ion:	83	Resp:	76692
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.2
127	8.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.186 ug/l

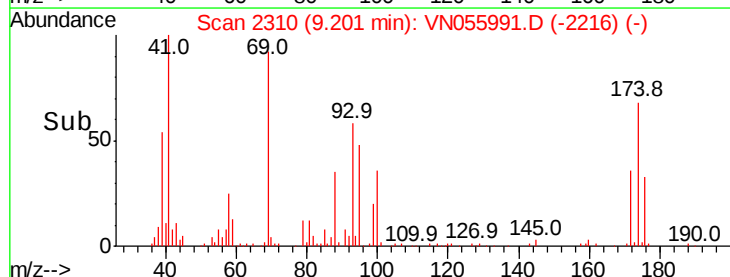
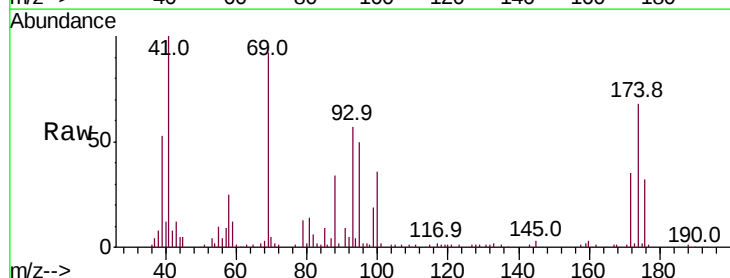
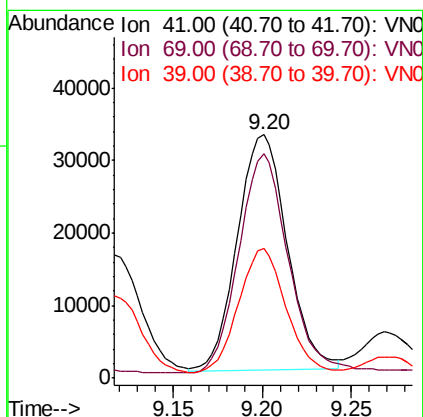
RT: 9.20 min Scan# 2310

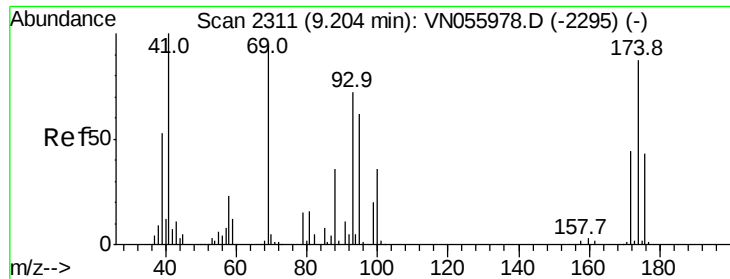
Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion:	41	Resp:	63392
Ion	Ratio	Lower	Upper
41	100		
69	94.0	71.0	106.6
39	52.9	44.2	66.2





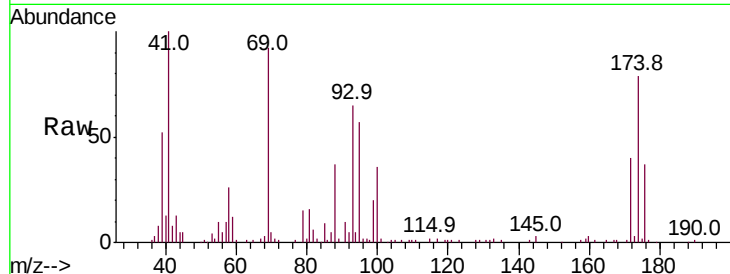
#49
1,4-Dioxane
Concen: 422.549 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	88	Resp	27296
Ion	Ratio	Lower	Upper
88	100		
43	28.1	20.5	30.7
58	69.8	55.8	83.6

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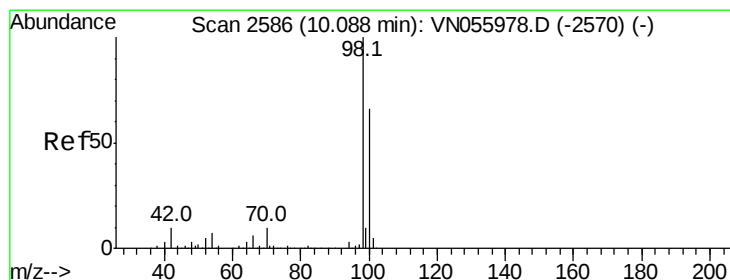
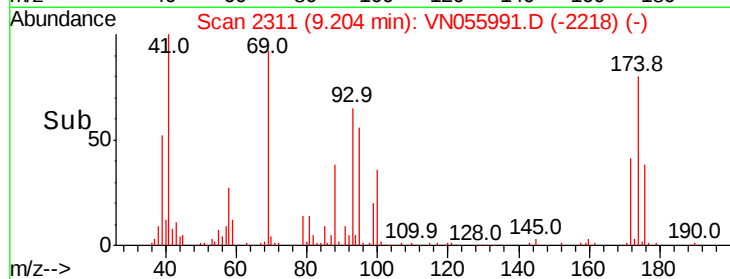
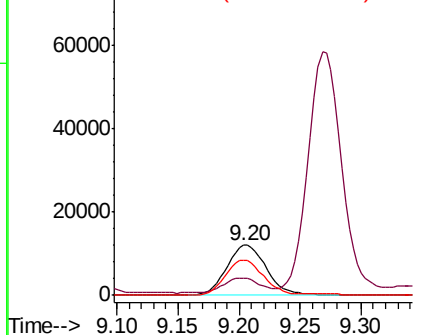


Abundance

Ion 88.00 (87.70 to 88.70): VN0

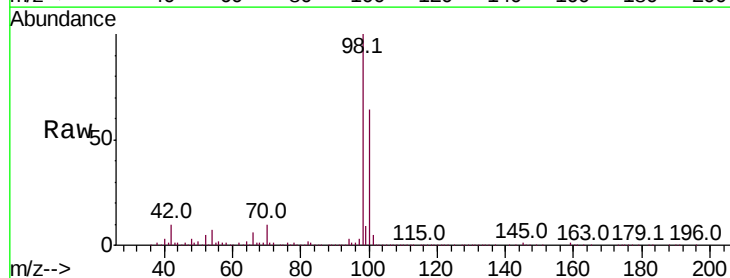
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.693 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

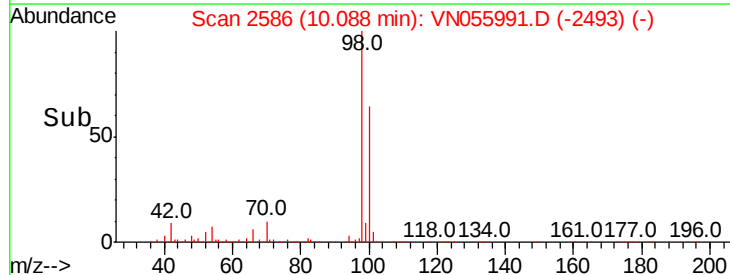
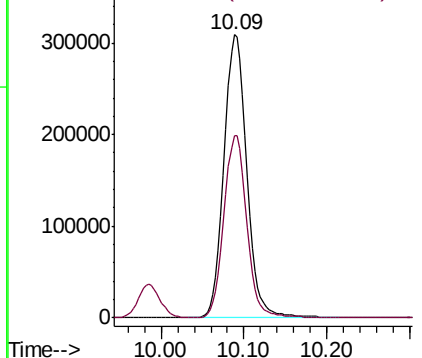
Tgt Ion	98	Resp	590417
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9

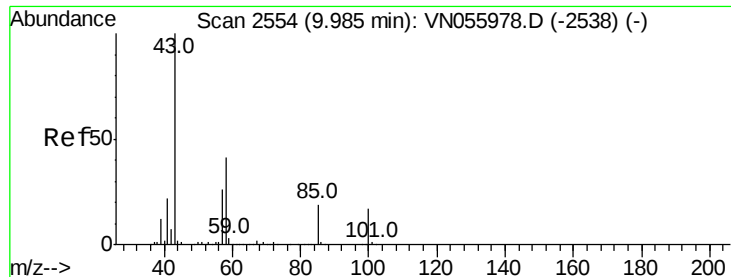


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 107.726 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 43 Resp: 412027

Ion Ratio Lower Upper

43 100

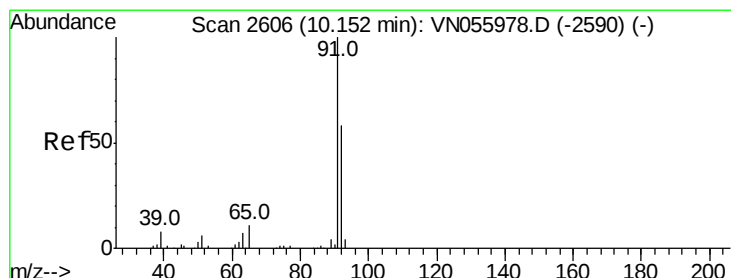
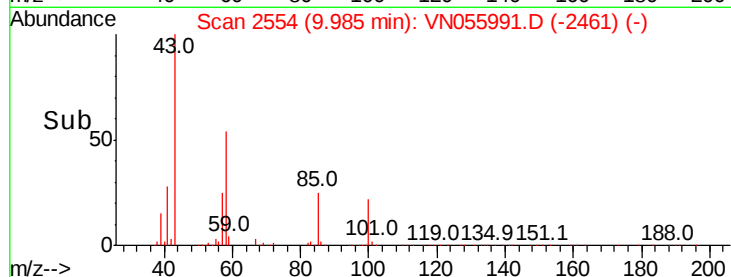
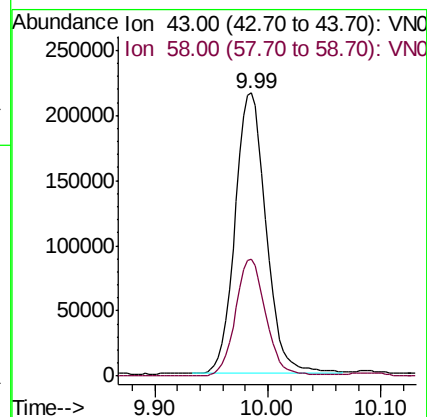
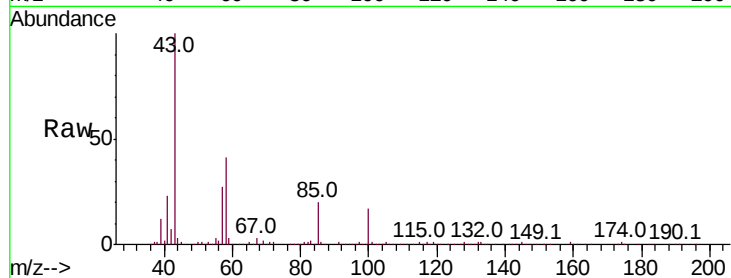
58 41.1 32.1 48.1

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#52

Toluene

Concen: 20.960 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055991.D

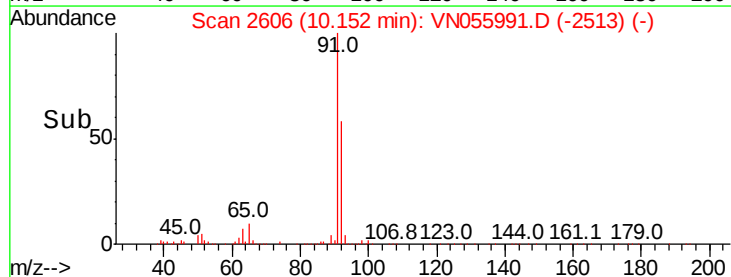
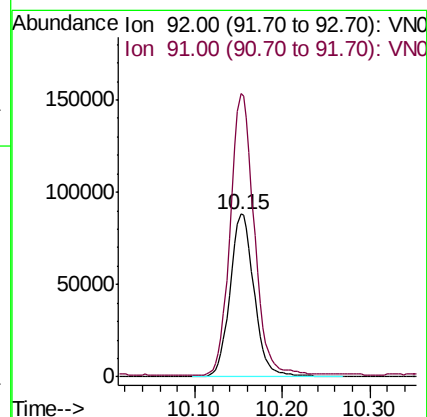
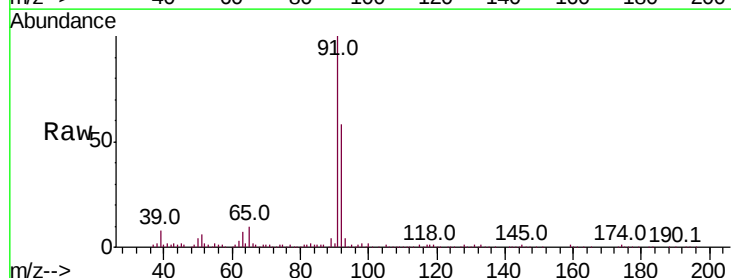
Acq: 4 Jun 2019 15:14

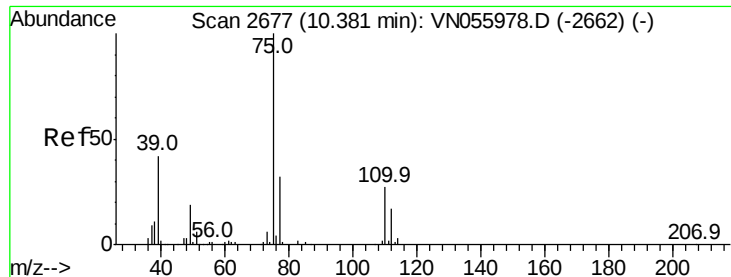
Tgt Ion: 92 Resp: 168037

Ion Ratio Lower Upper

92 100

91 172.2 139.4 209.2





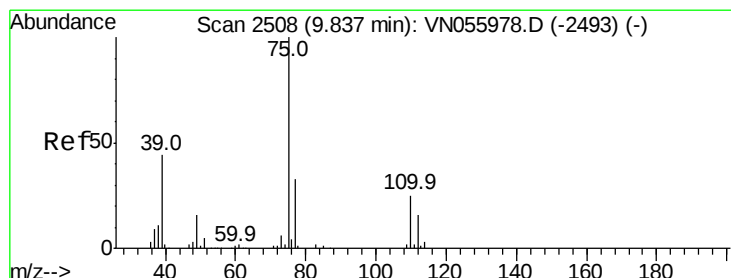
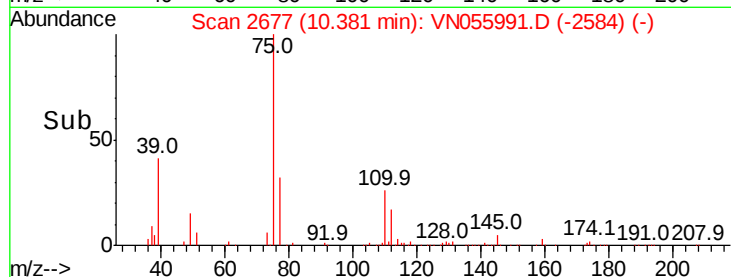
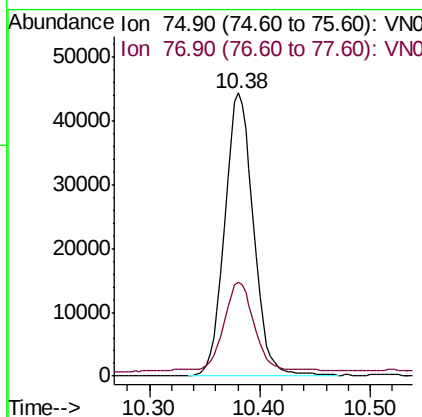
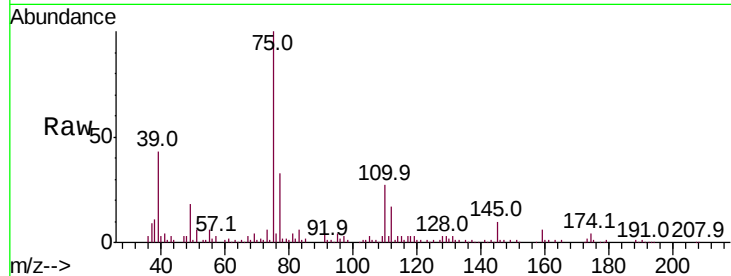
#53
t-1,3-Dichloropropene
Concen: 19.109 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion: 75 Resp: 80490
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.6

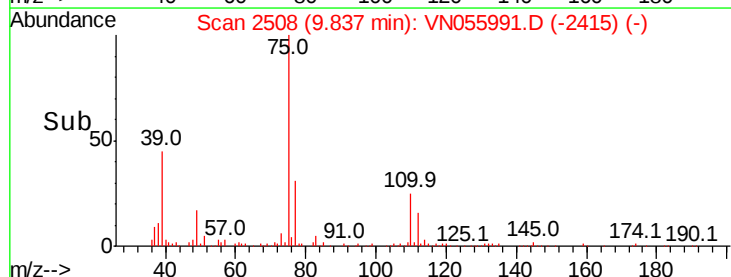
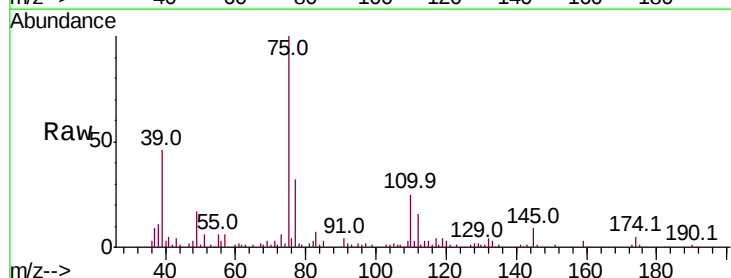
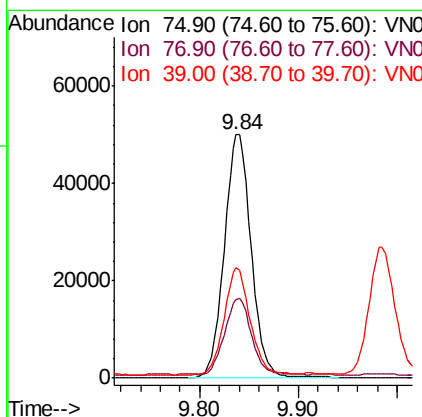
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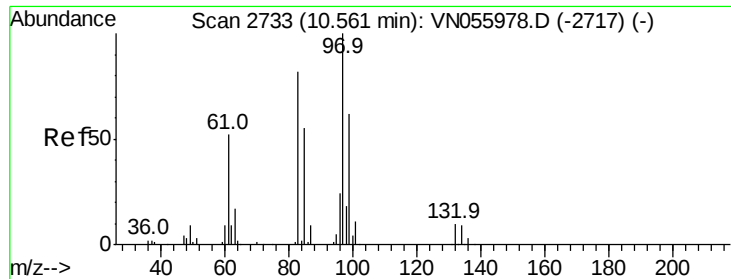
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#54
cis-1,3-Dichloropropene
Concen: 20.361 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 75 Resp: 95726
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 44.2 36.3 54.5





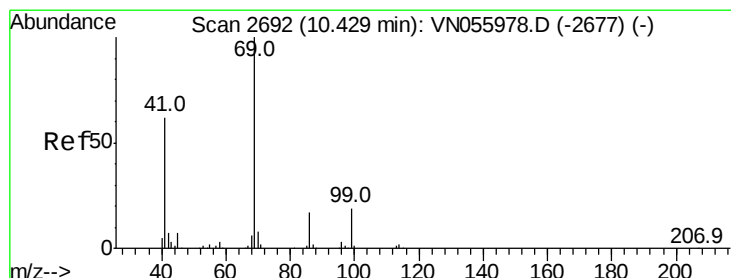
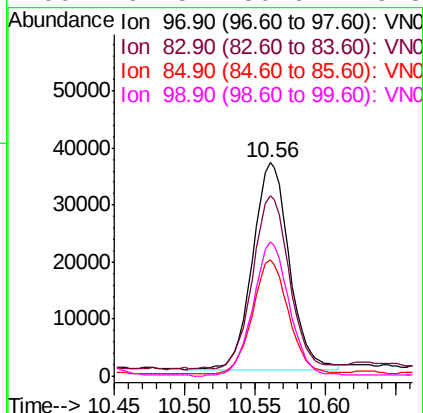
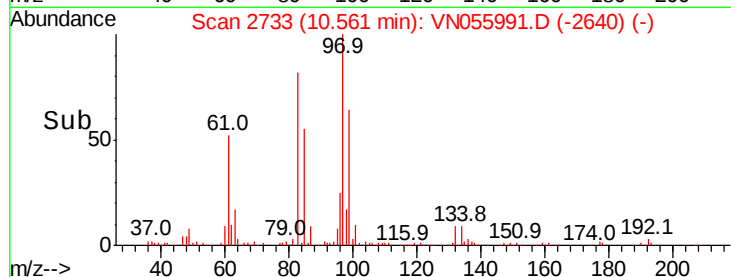
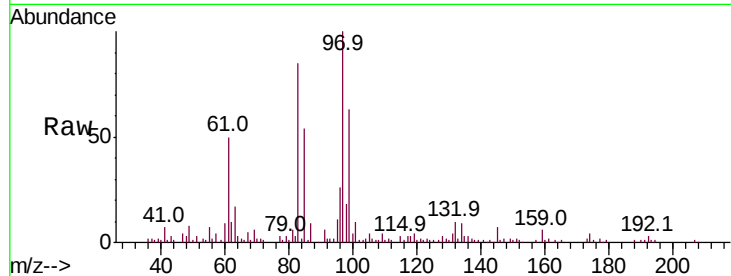
#55
 1,1,2-Trichloroethane
 Concen: 20.730 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.0	100.6
85	54.9	44.0	66.0
99	64.5	50.6	75.8

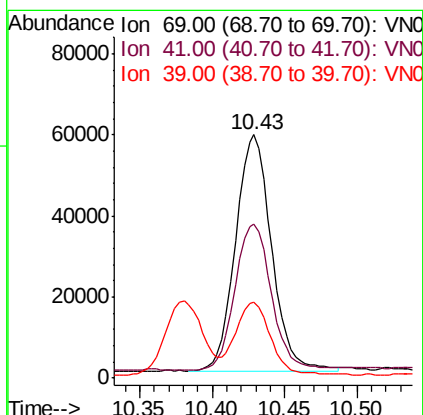
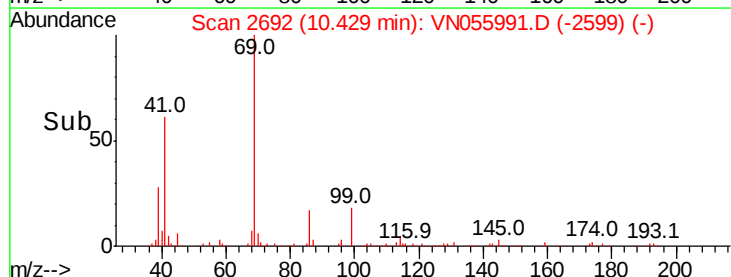
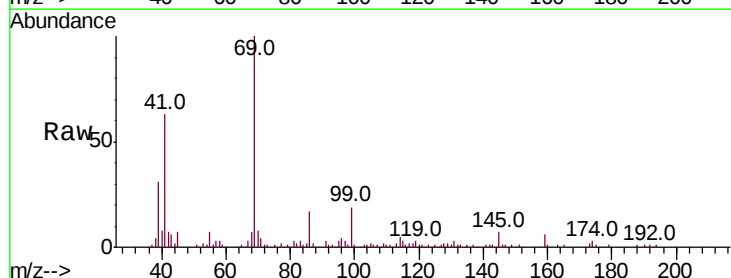
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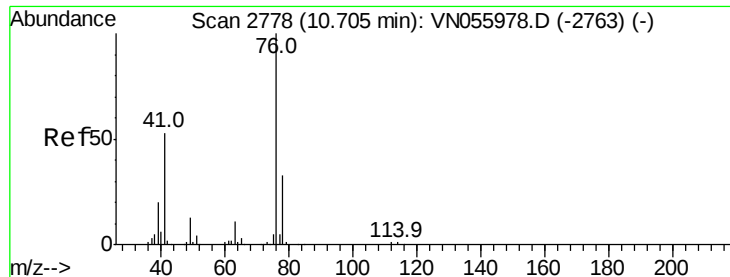
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#56
 Ethyl methacrylate
 Concen: 21.665 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.8	49.7	74.5
39	29.7	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.909 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 76 Resp: 107946

Ion Ratio Lower Upper

76 100

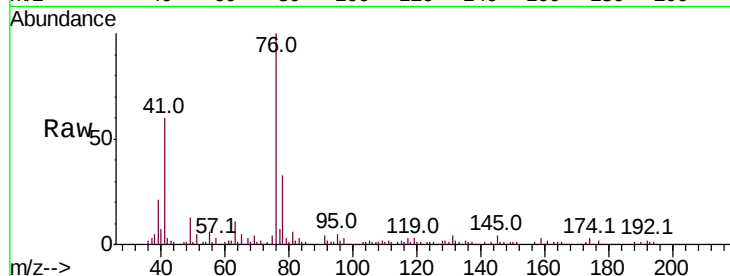
78 32.5 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

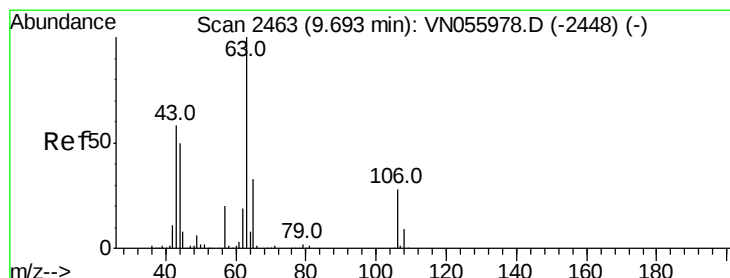
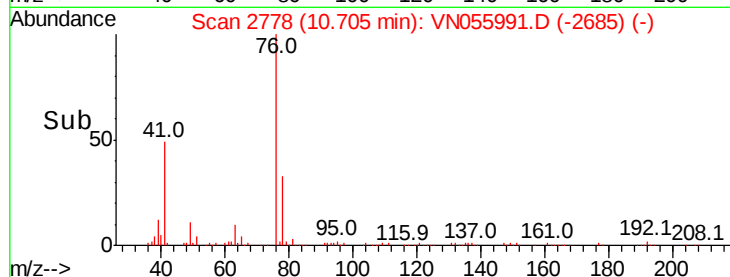
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 108.922 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055991.D

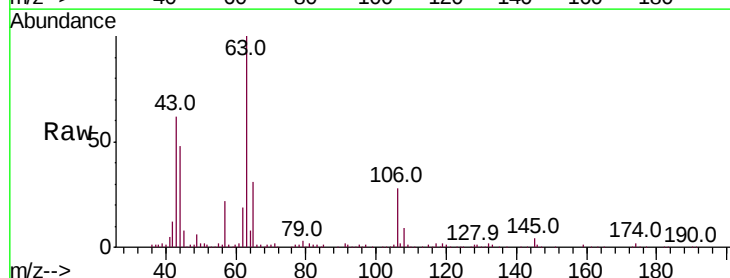
Acq: 4 Jun 2019 15:14

Tgt Ion: 63 Resp: 183687

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

120000

100000

80000

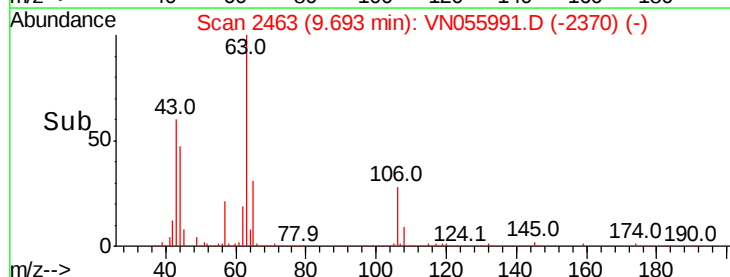
60000

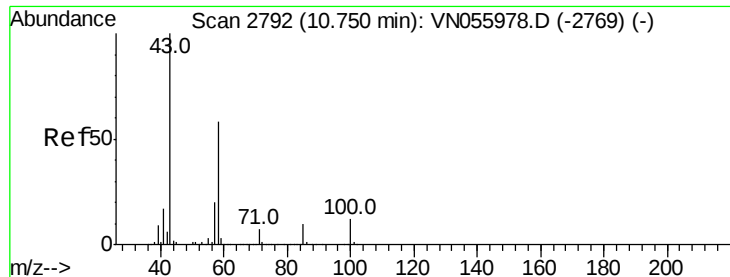
40000

20000

0

Time-->





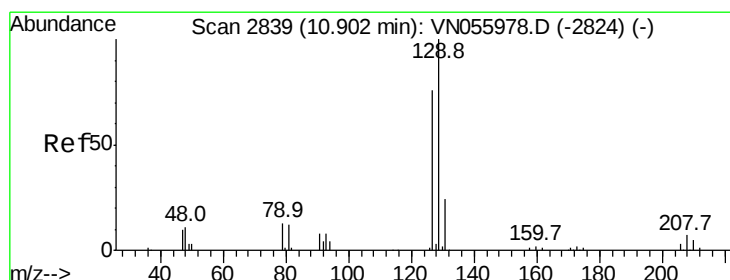
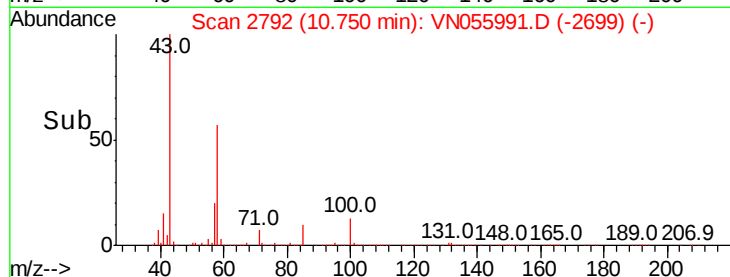
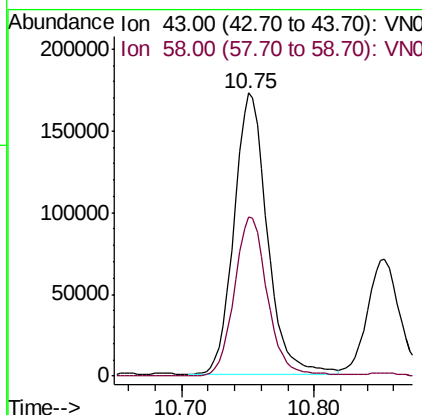
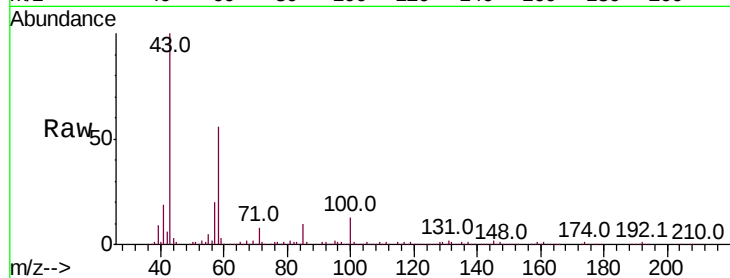
#59
2-Hexanone
Concen: 107.366 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion: 43 Resp: 297629
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7

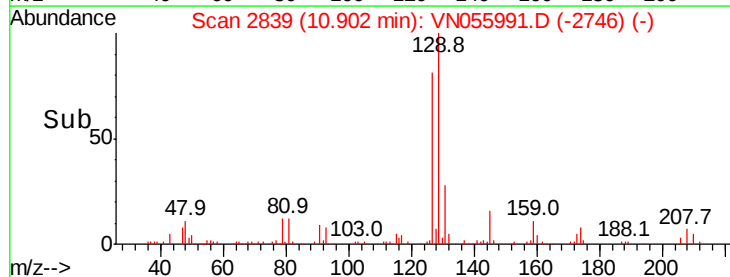
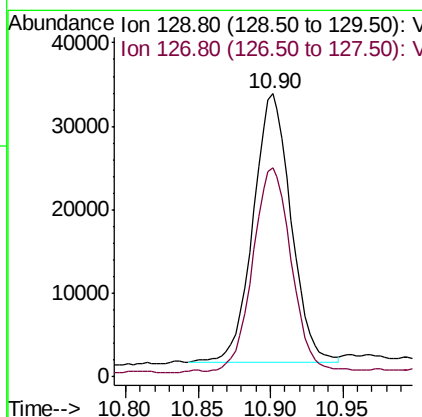
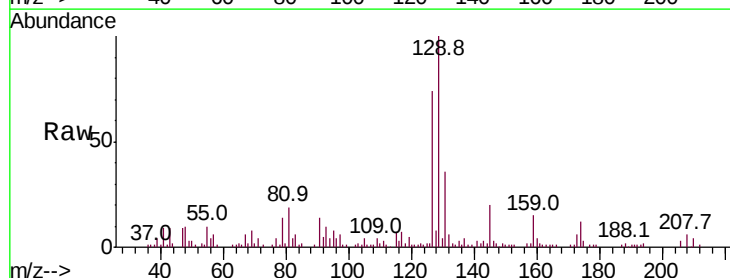
Manual Integrations
APPROVED

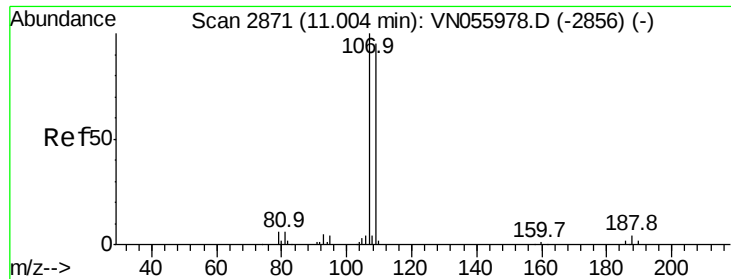
MMDadoda
6/5/2019 4:04:04 PM



#60
Dibromochloromethane
Concen: 18.224 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 129 Resp: 58090
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.522 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion:107 Resp: 69871

Ion Ratio Lower Upper

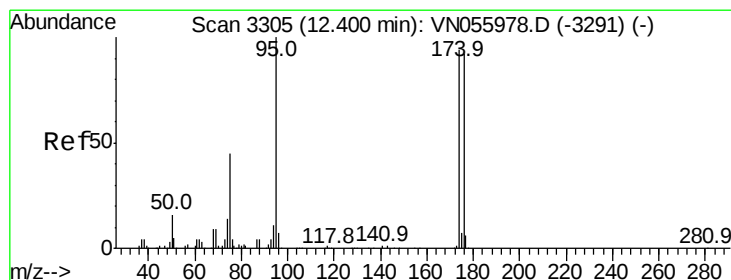
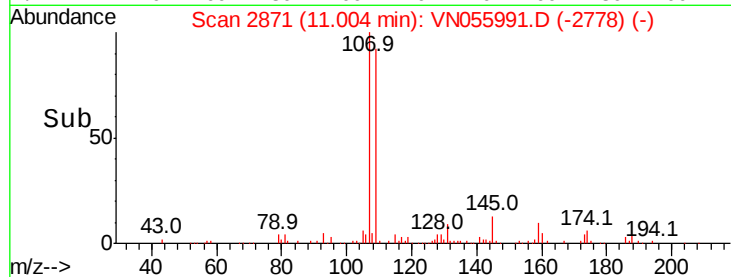
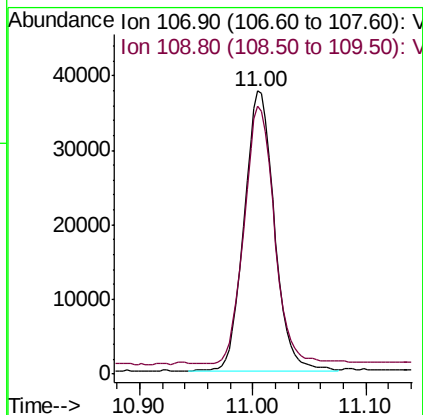
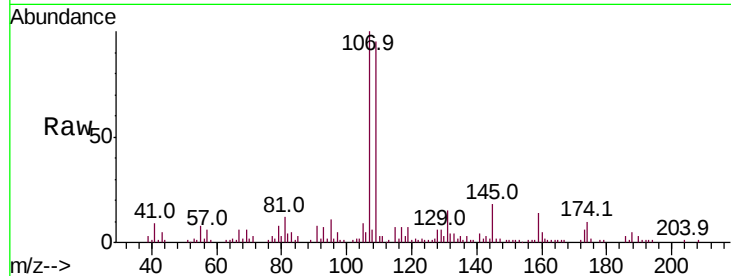
107 100

109 91.1 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

6/5/2019 4:04:04 PM



#62

4-Bromofluorobenzene

Concen: 51.133 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

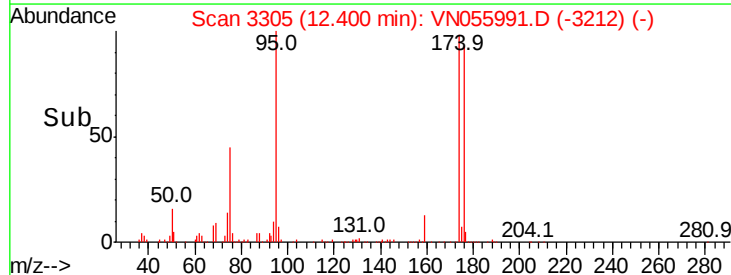
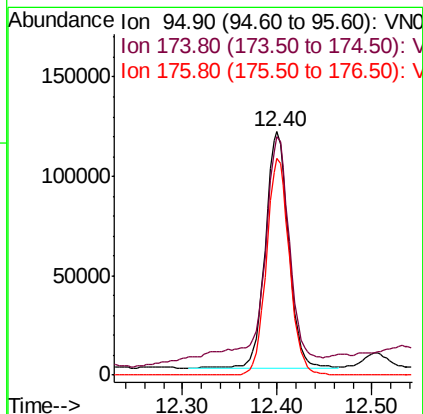
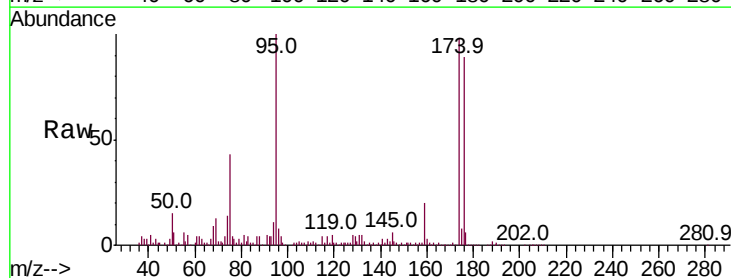
Tgt Ion: 95 Resp: 202532

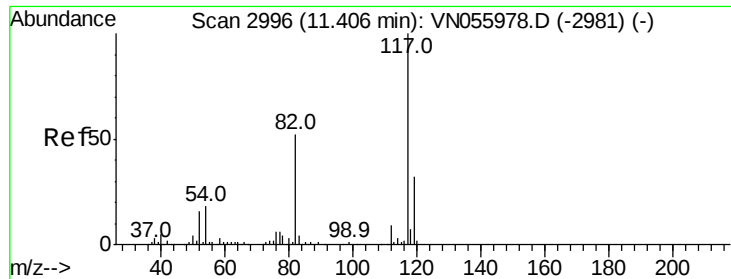
Ion Ratio Lower Upper

95 100

174 91.1 0.0 191.0

176 91.0 0.0 185.2





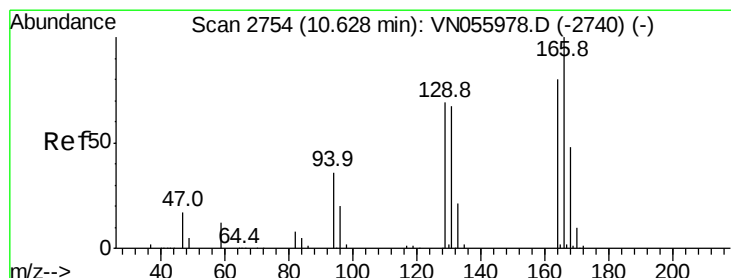
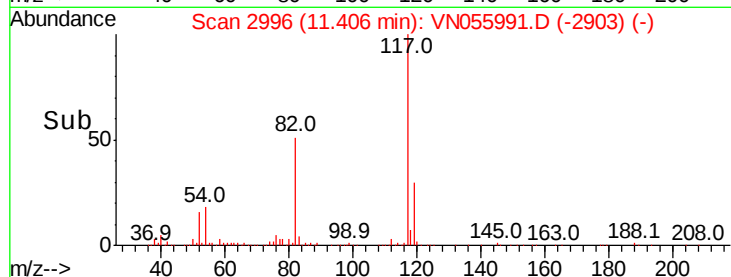
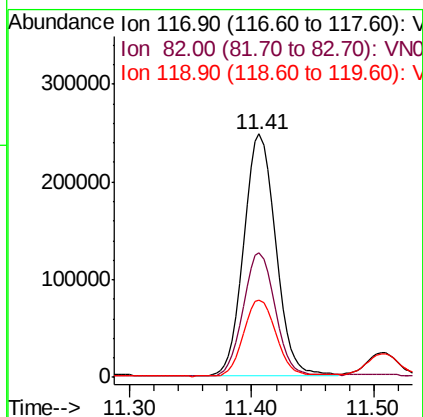
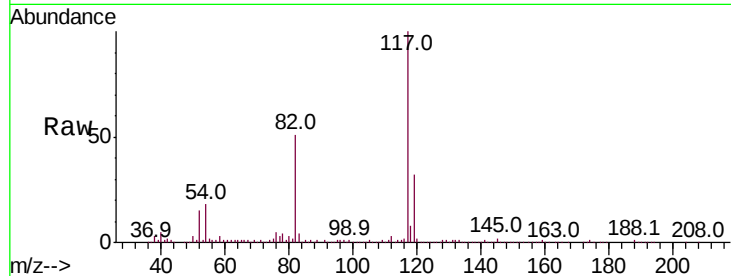
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.8	62.8
119	31.7	25.4	38.0

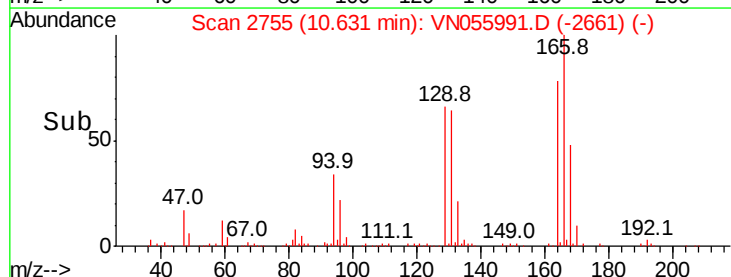
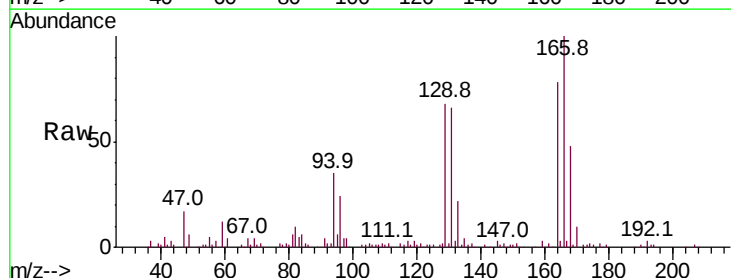
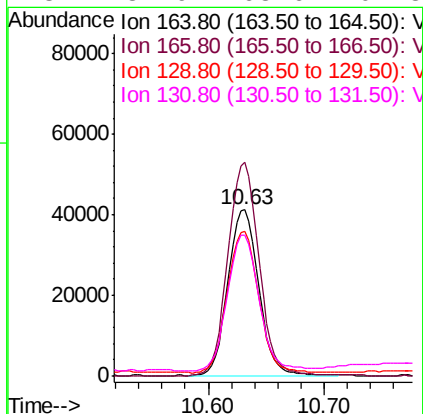
Manual Integrations
APPROVED

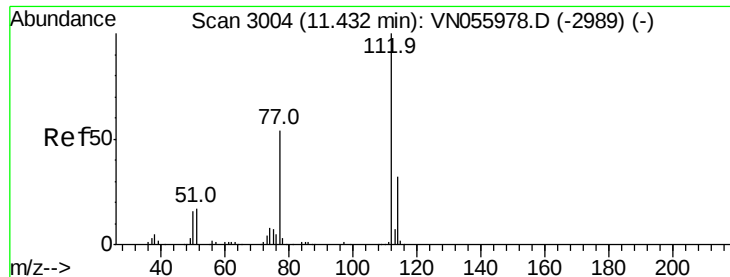
MMDadoda
6/5/2019 4:04:04 PM



#64
Tetrachloroethene
Concen: 19.846 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.0	154.6
129	85.5	70.6	105.8
131	81.9	68.6	102.8





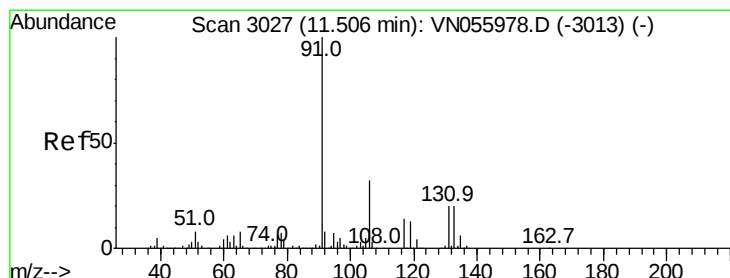
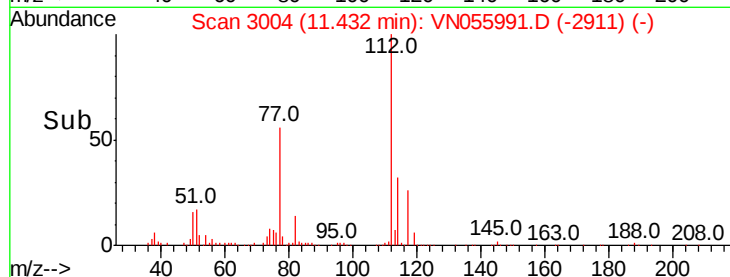
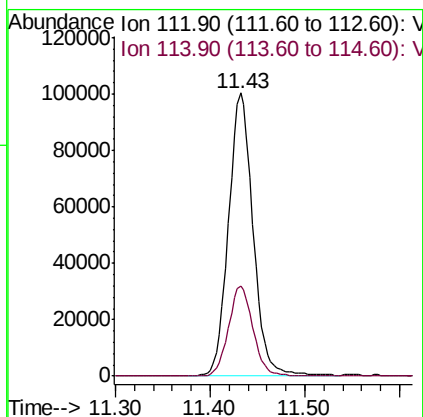
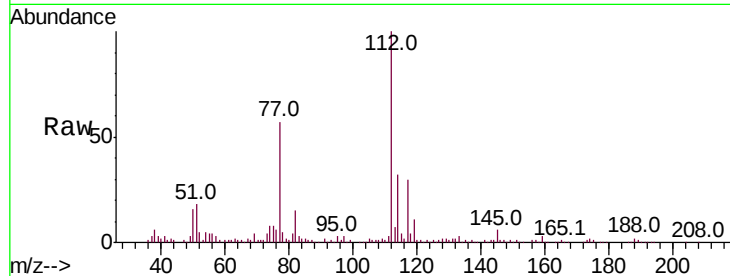
#65
Chlorobenzene
Concen: 20.245 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion:112 Resp: 179360
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

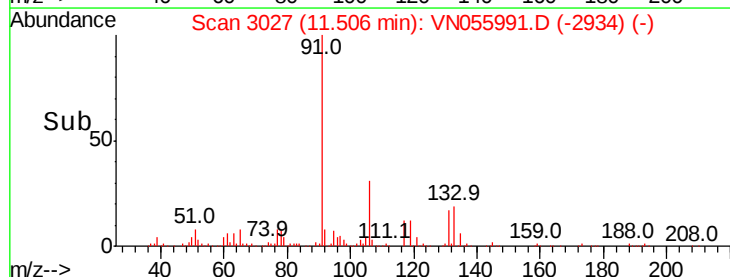
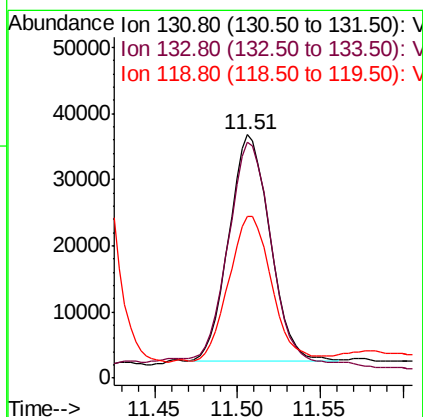
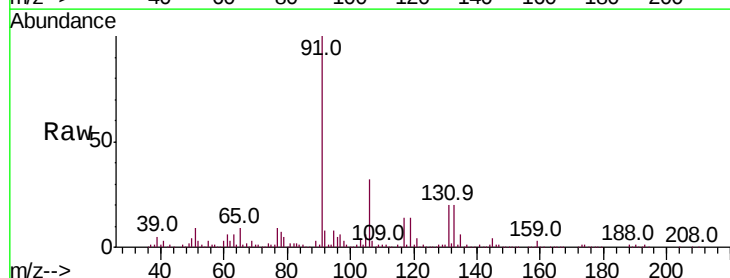
Manual Integrations
APPROVED

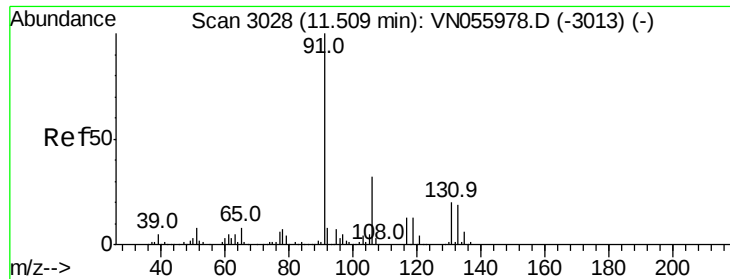
MMDadoda
6/5/2019 4:04:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.345 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion:131 Resp: 59176
Ion Ratio Lower Upper
131 100
133 112.9 48.0 144.0
119 67.3 33.1 99.5





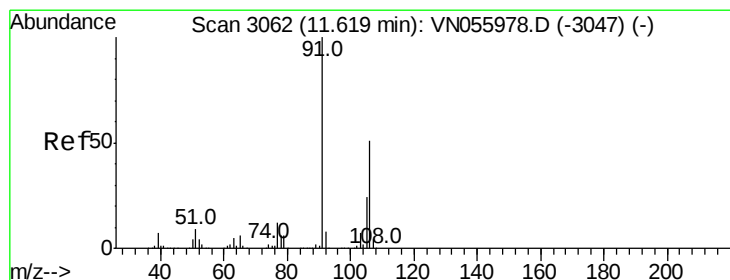
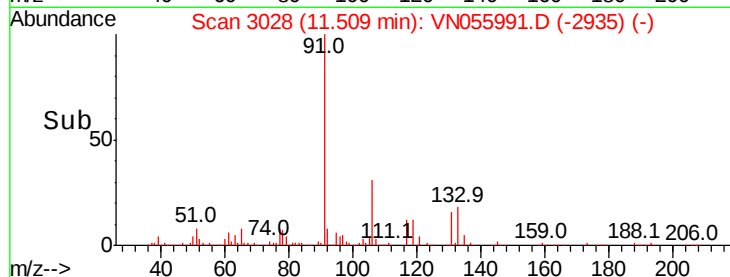
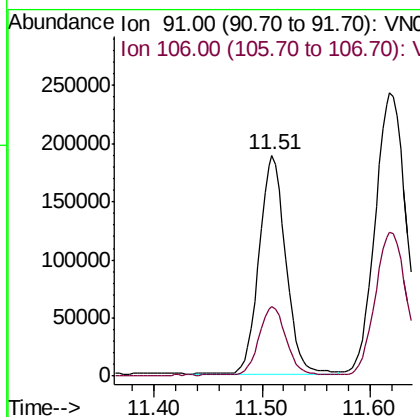
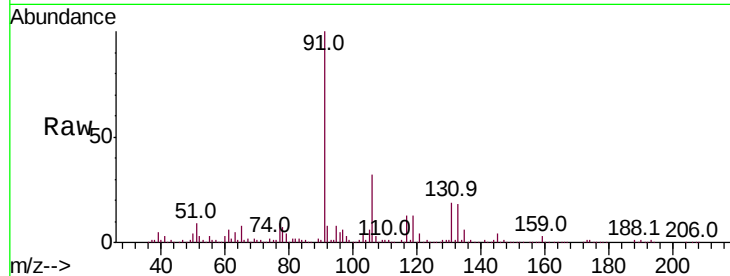
#67
Ethyl Benzene
Concen: 20.832 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion: 91 Resp: 320917
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

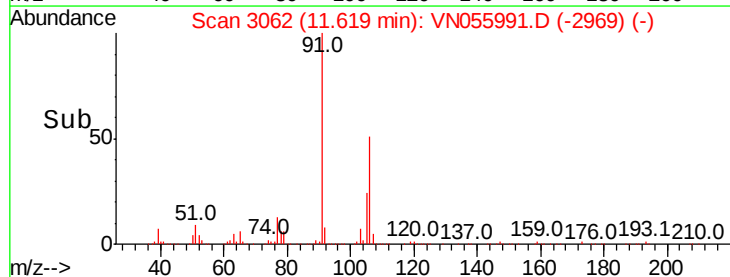
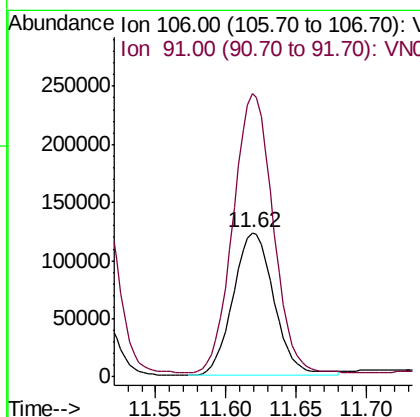
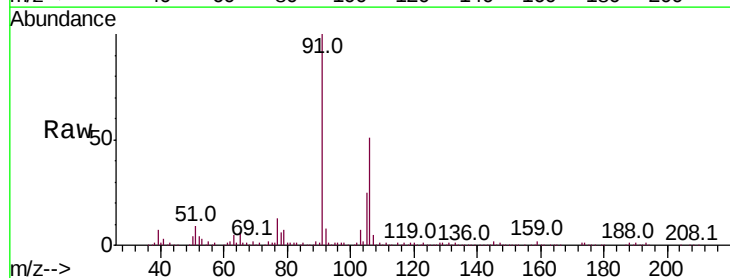
Manual Integrations
APPROVED

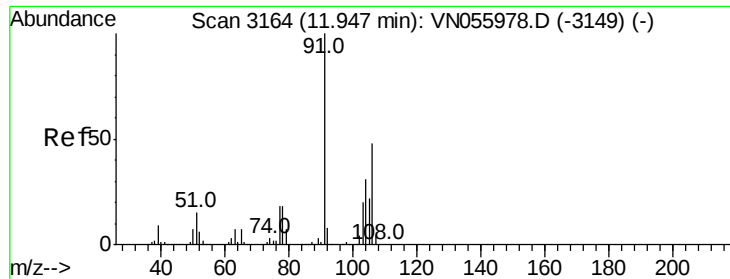
MMDadoda
6/5/2019 4:04:04 PM



#68
m/p-Xylenes
Concen: 42.376 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 106 Resp: 249380
Ion Ratio Lower Upper
106 100
91 190.0 159.3 238.9





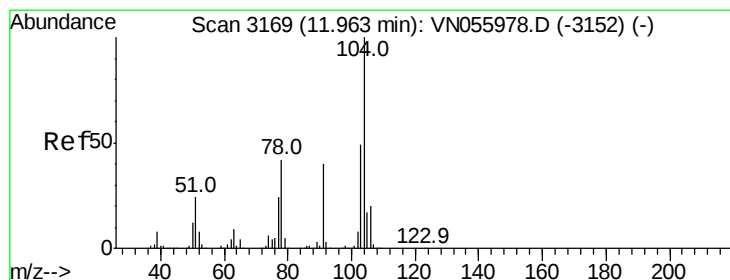
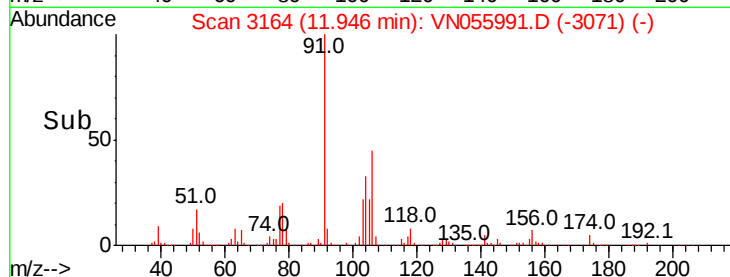
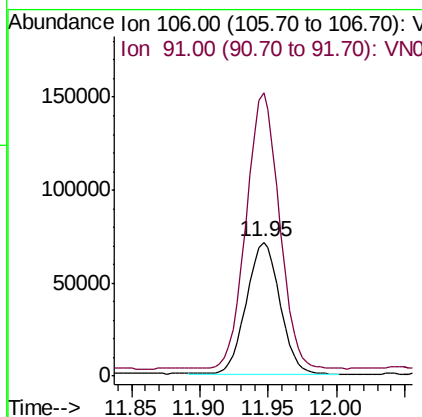
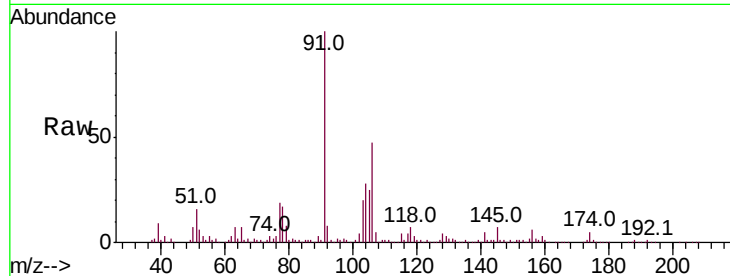
#69
o-Xylene
Concen: 20.965 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion:106 Resp: 121359
Ion Ratio Lower Upper
106 100
91 205.6 104.7 314.1

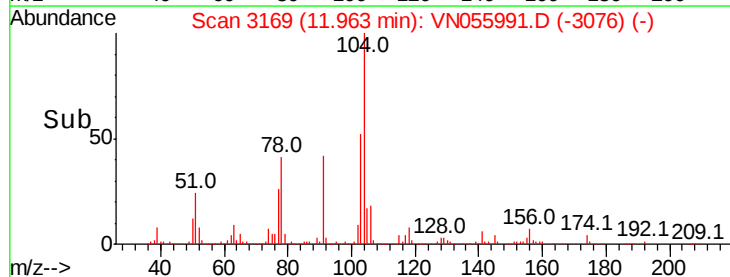
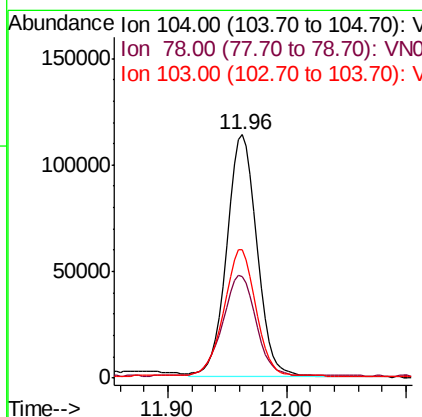
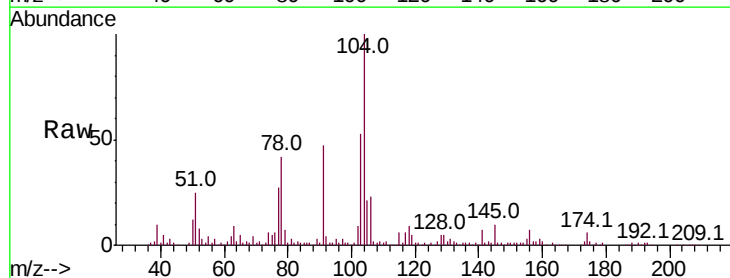
Manual Integrations
APPROVED

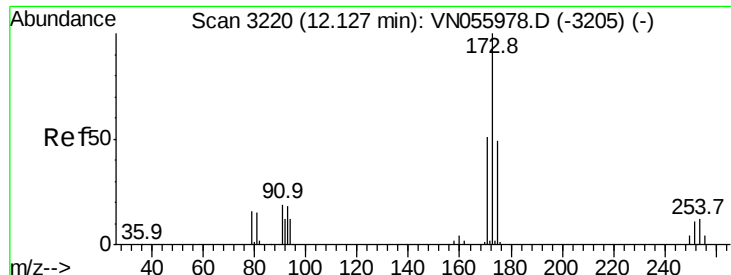
MMDadoda
6/5/2019 4:04:04 PM



#70
Styrene
Concen: 21.846 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion:104 Resp: 200928
Ion Ratio Lower Upper
104 100
78 45.3 37.8 56.6
103 55.0 44.2 66.2





#71

Bromoform

Concen: 18.154 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion:173 Resp: 41879

Ion Ratio Lower Upper

173 100

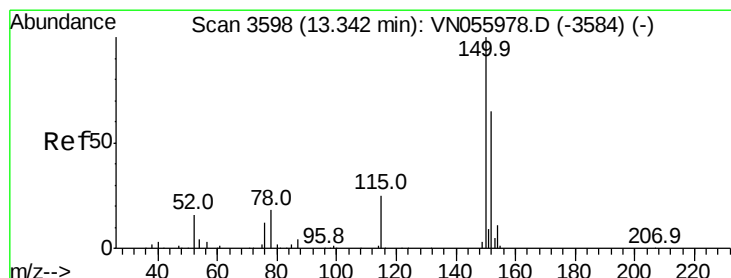
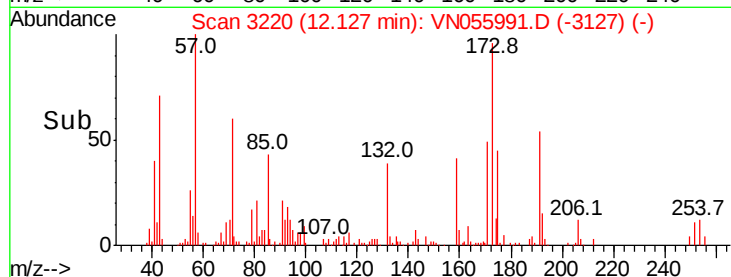
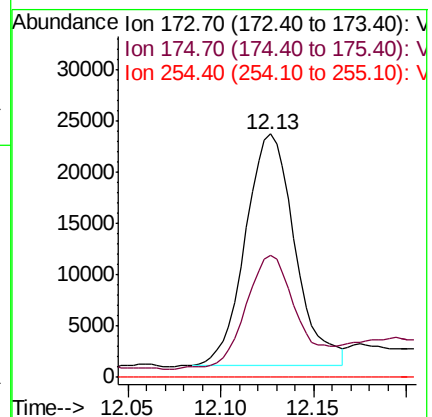
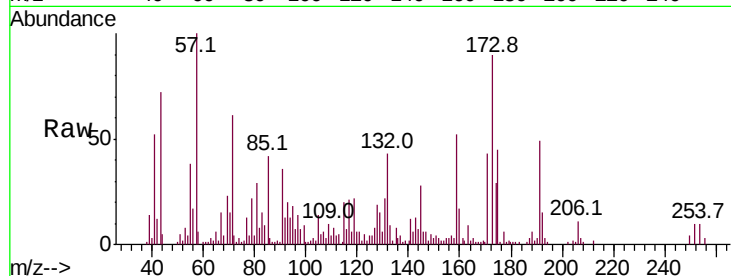
175 52.3 24.3 72.8

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

6/5/2019 4:04:04 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

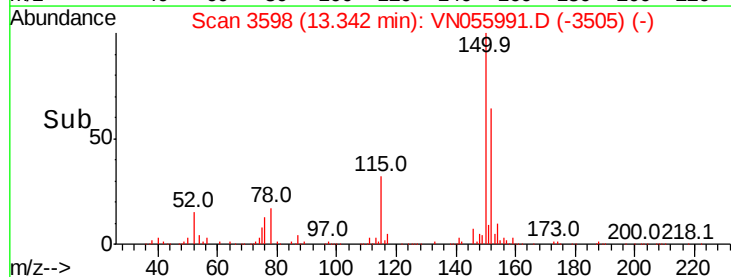
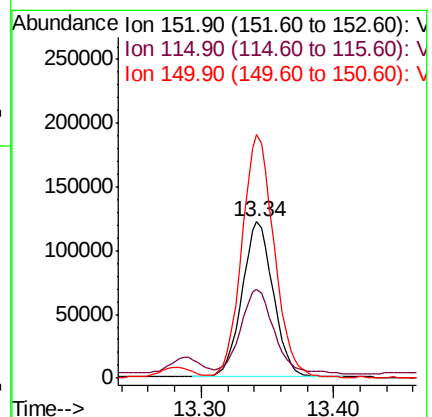
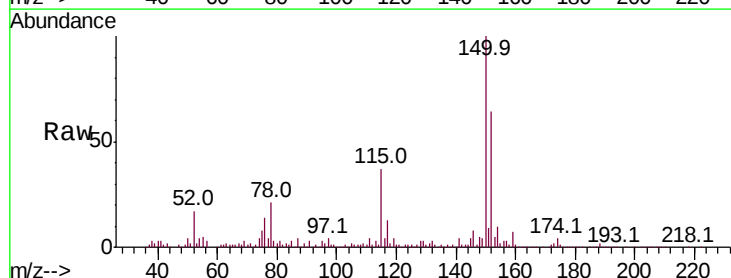
Tgt Ion:152 Resp: 198916

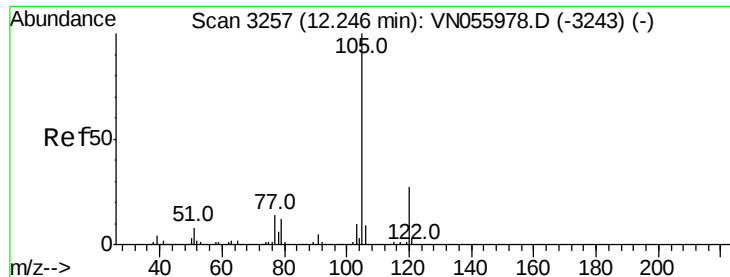
Ion Ratio Lower Upper

152 100

115 58.1 27.0 81.0

150 161.2 0.0 343.2





#73

Isopropylbenzene

Concen: 22.325 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion:105 Resp: 335530

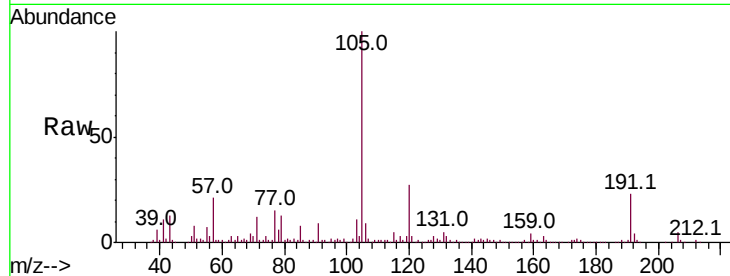
Ion Ratio Lower Upper

105 100

120 25.7 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:04:04 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

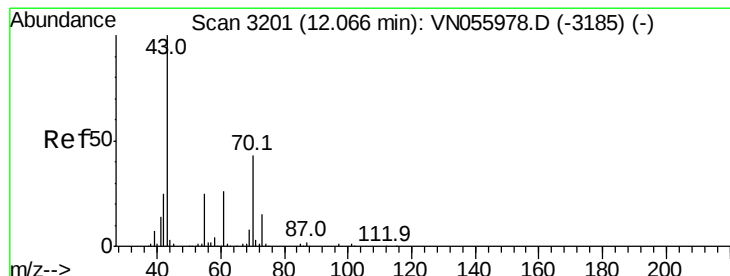
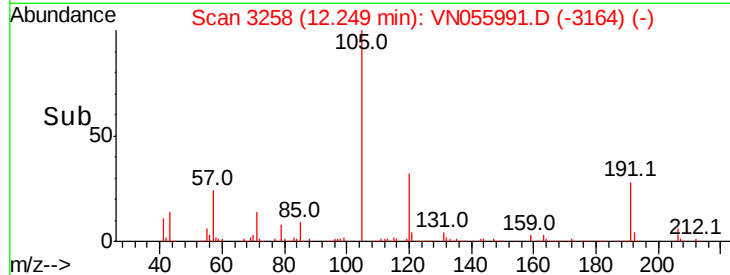
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.821 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion: 43 Resp: 115703

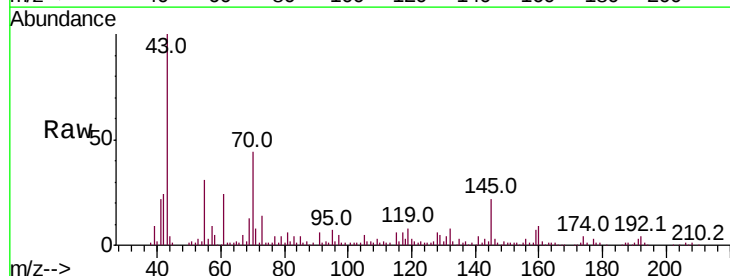
Ion Ratio Lower Upper

43 100

70 44.3 34.0 51.0

55 27.1 18.6 28.0

61 24.5 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

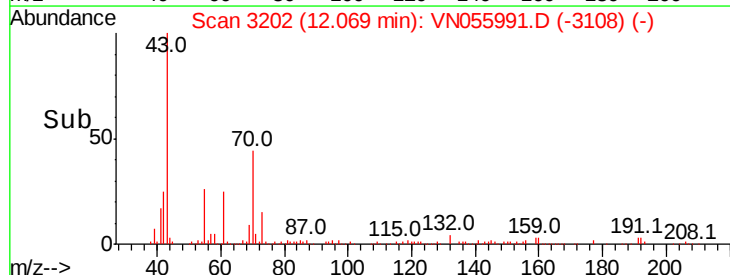
60000

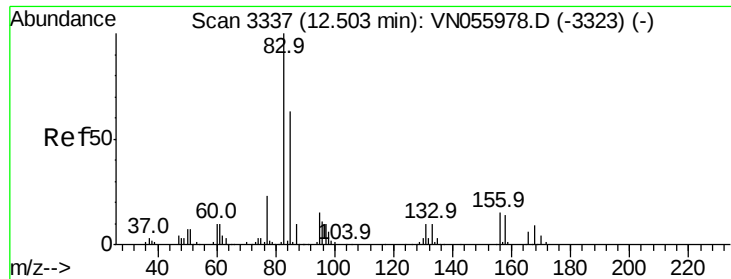
40000

20000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.581 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 83 Resp: 90420

Ion Ratio Lower Upper

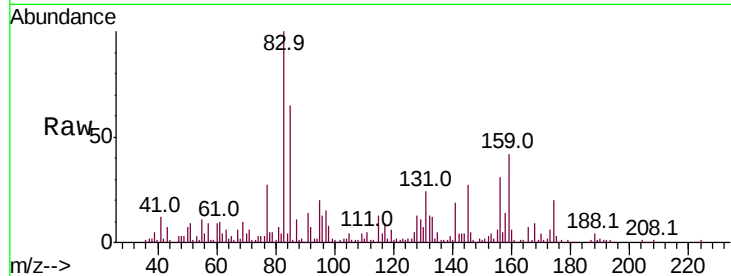
83 100

131 0.0 5.4 16.2#

85 66.6 32.4 97.0

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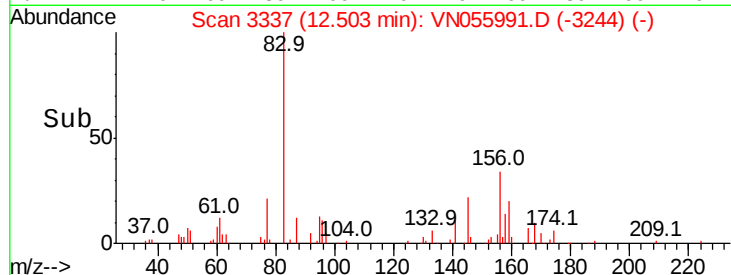


Abundance Ion 82.90 (82.60 to 83.60): VN055991.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055991.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055991.D (-3244) (-)

Time-->



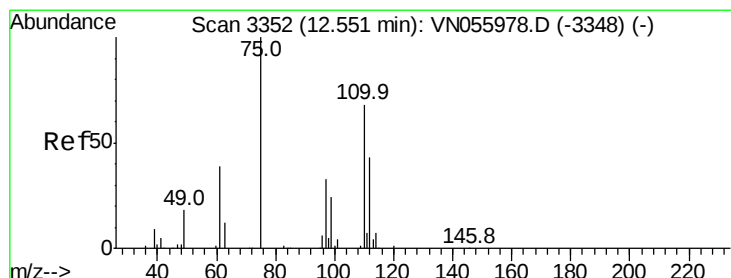
Abundance

Ion 82.90 (82.60 to 83.60): VN055991.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055991.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055991.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.856 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055991.D

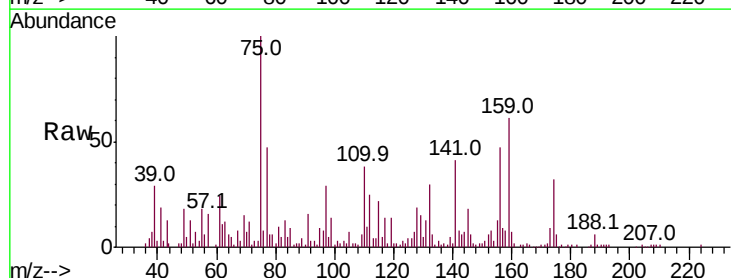
Acq: 4 Jun 2019 15:14

Tgt Ion: 75 Resp: 76335

Ion Ratio Lower Upper

75 100

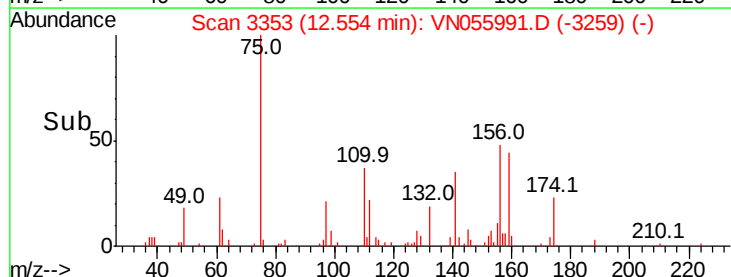
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055991.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN055991.D (-3259) (-)

Time-->

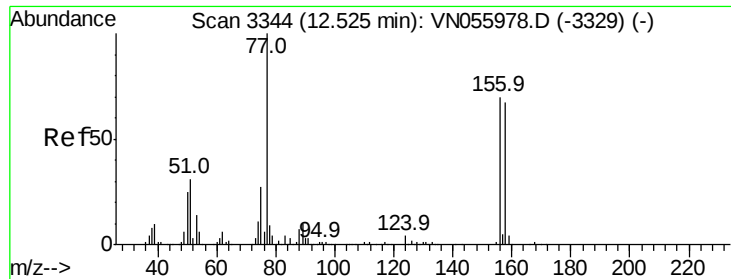


Abundance

Ion 74.90 (74.60 to 75.60): VN055991.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN055991.D (-3259) (-)

Time-->



#77

Bromobenzene

Concen: 47.032 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion:156 Resp: 200296
Ion Ratio Lower Upper

156 100

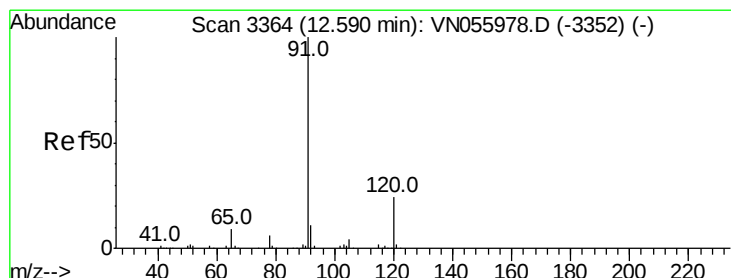
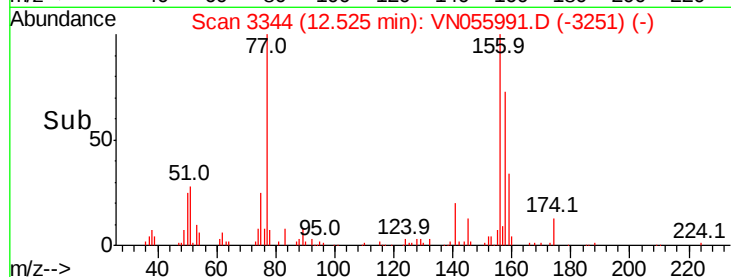
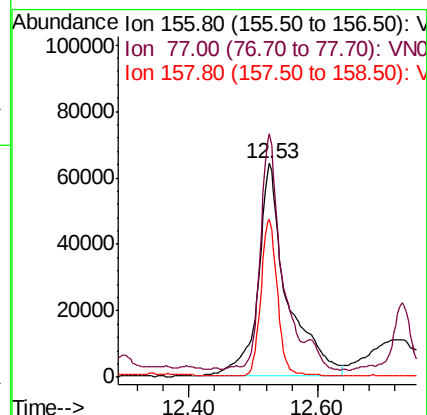
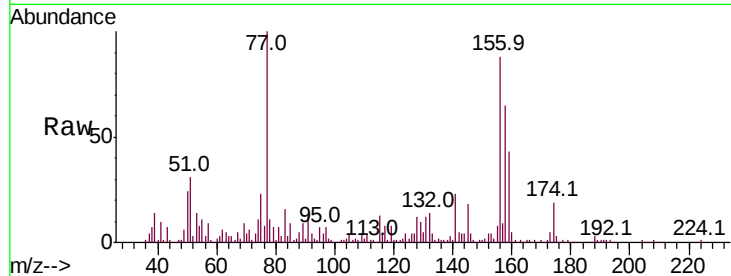
77 75.1 90.8 272.5#

158 41.3 49.3 147.8#

Manual Integrations
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#78

n-propylbenzene

Concen: 20.484 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

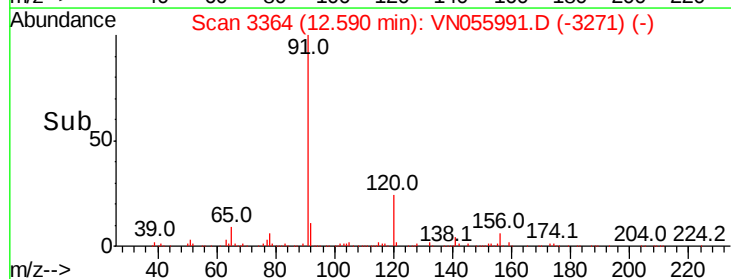
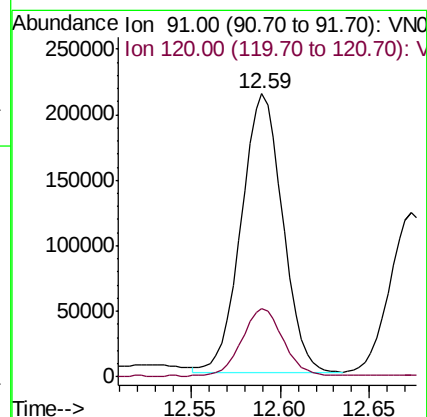
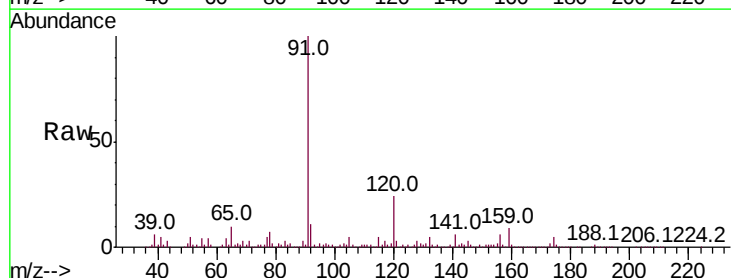
Lab File: VN055991.D

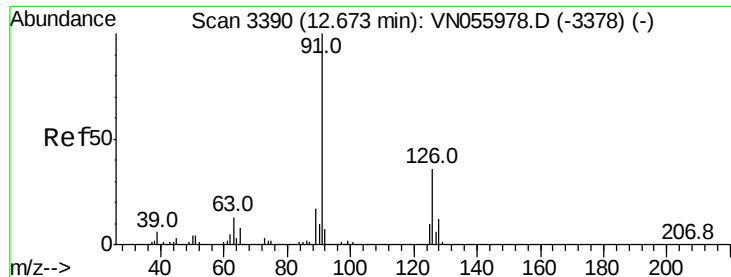
Acq: 4 Jun 2019 15:14

Tgt Ion: 91 Resp: 344712
Ion Ratio Lower Upper

91 100

120 24.0 12.0 36.0





#79

2-Chlorotoluene

Concen: 20.622 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 91 Resp: 205223

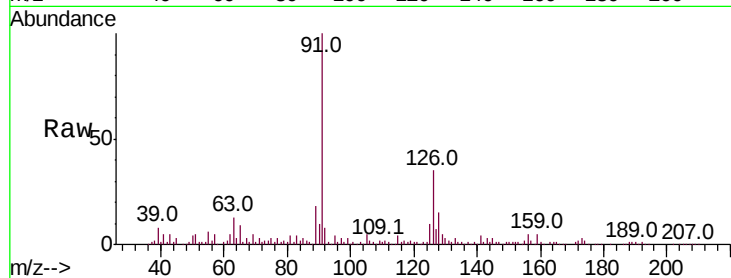
Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4

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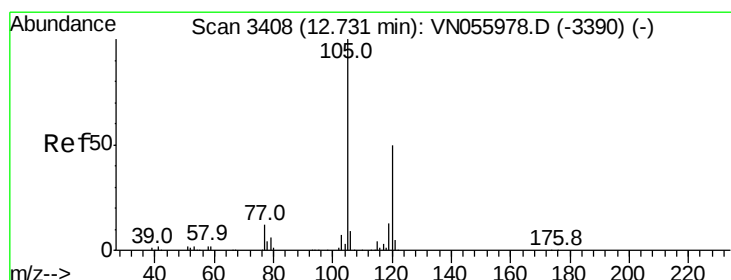
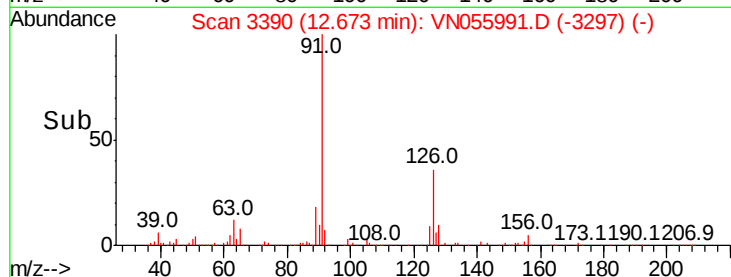


Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.491 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055991.D

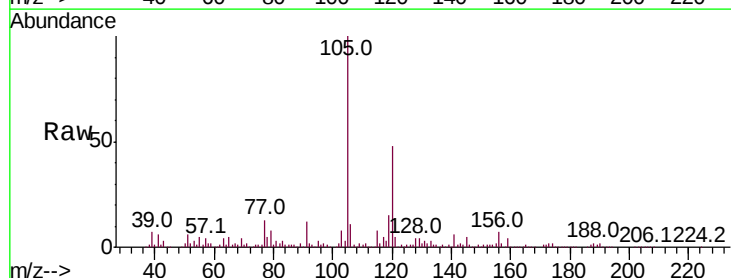
Acq: 4 Jun 2019 15:14

Tgt Ion: 105 Resp: 314174

Ion Ratio Lower Upper

105 100

120 44.8 24.7 74.1

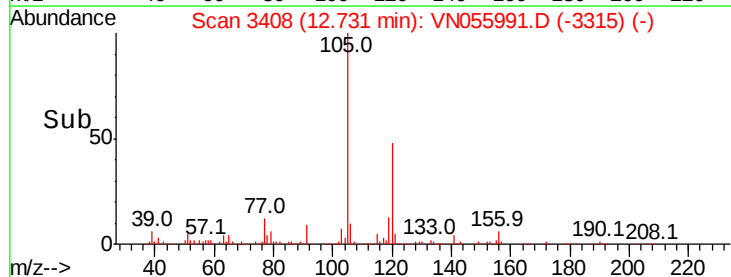


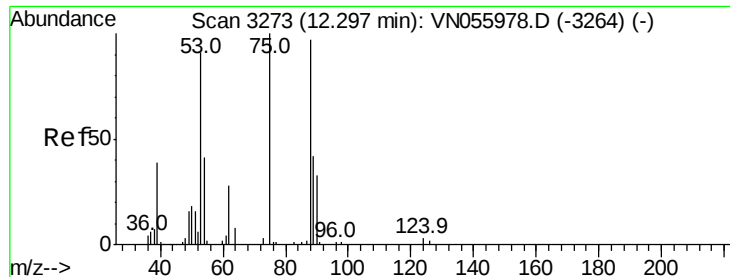
Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.173 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 75 Resp: 18875

Ion Ratio Lower Upper

75 100

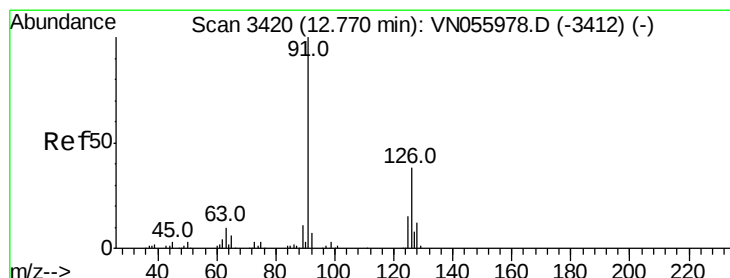
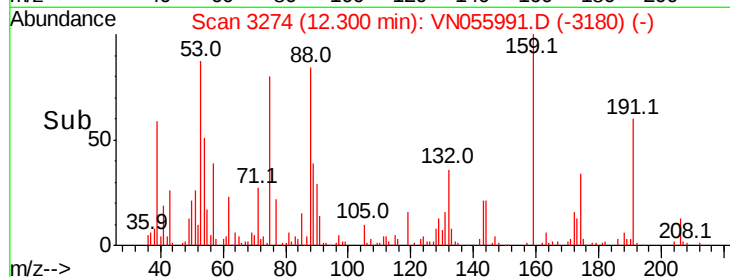
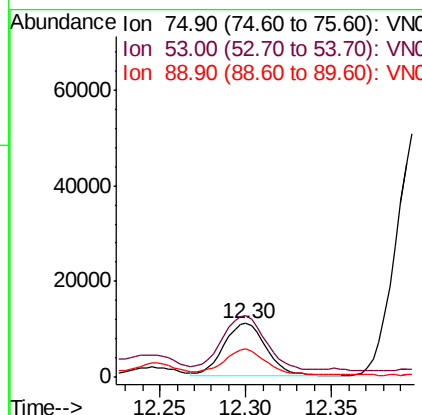
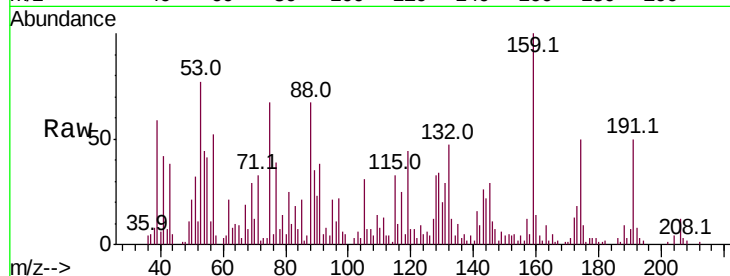
53 104.7 68.1 102.1#

89 48.3 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.333 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055991.D

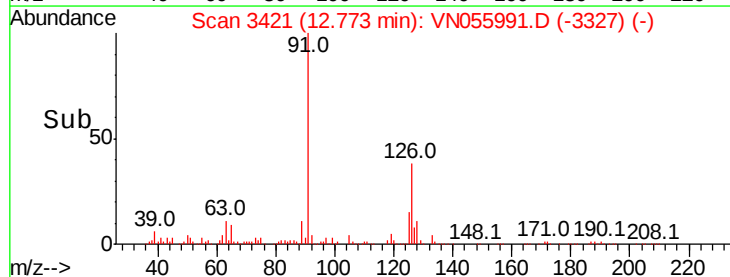
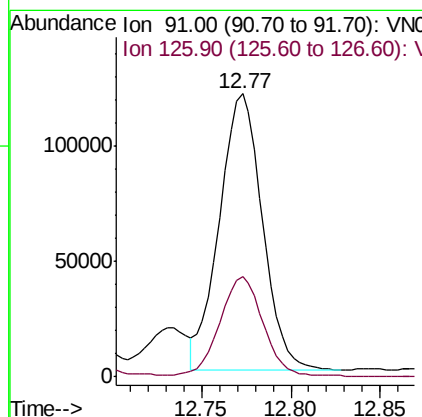
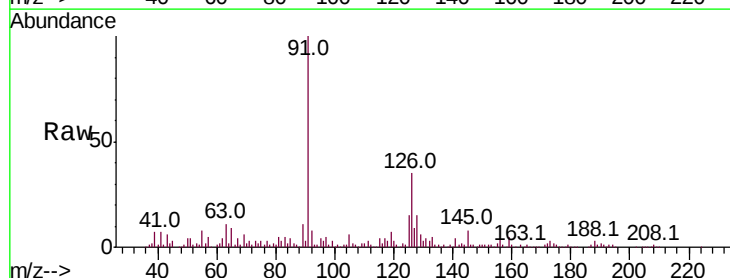
Acq: 4 Jun 2019 15:14

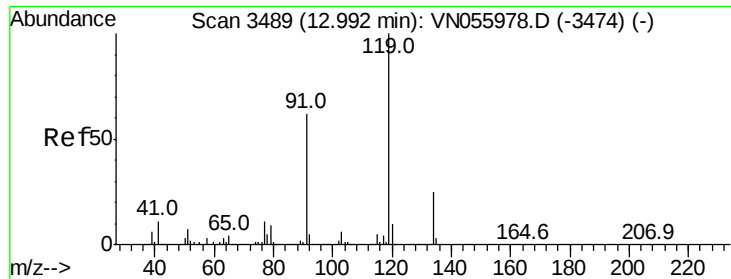
Tgt Ion: 91 Resp: 200186

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.3





#83

tert-Butylbenzene

Concen: 20.391 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055991.D

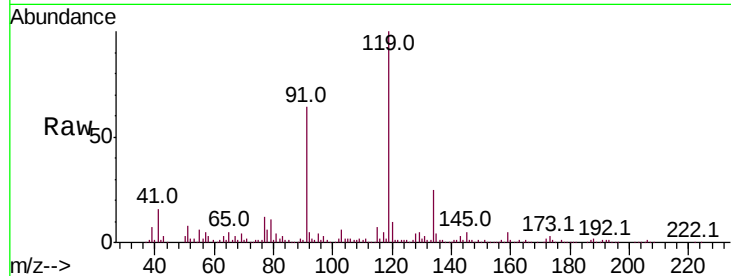
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228358		
91	62.5	30.9	92.8	
134	27.3	13.3	39.8	

Manual Integrations
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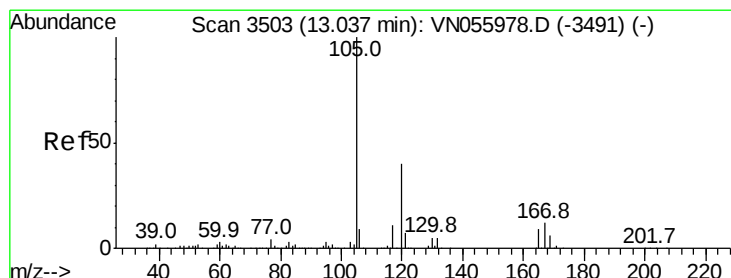
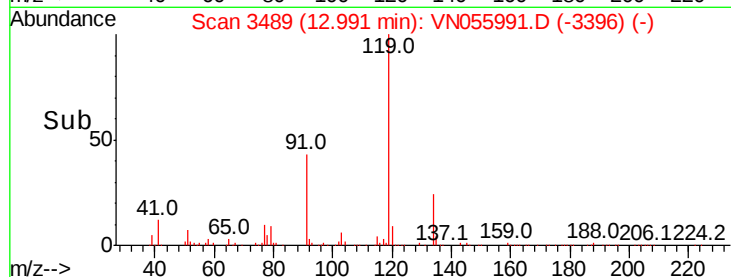
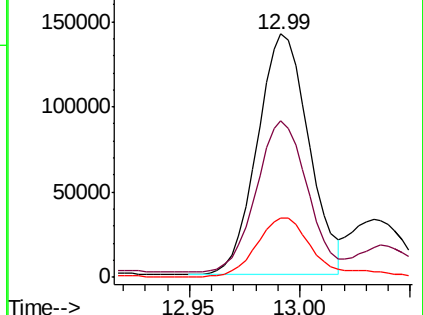
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.050 ug/l

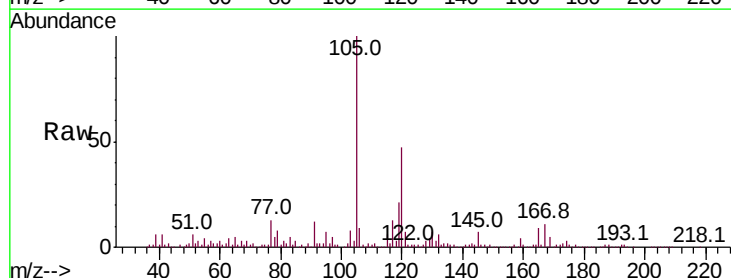
RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN055991.D

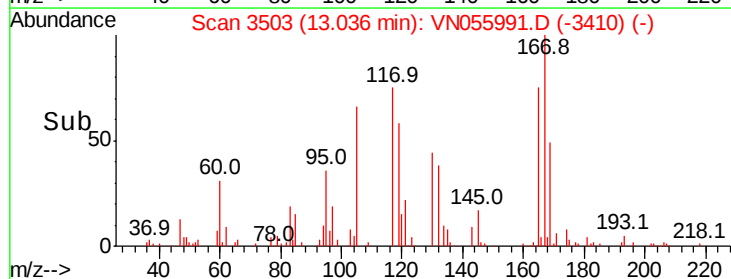
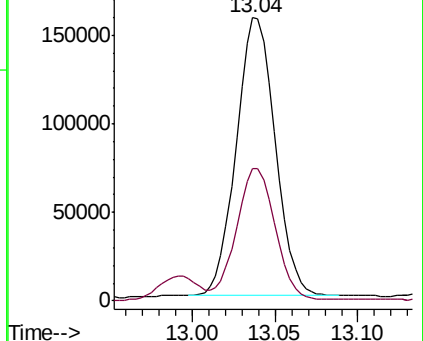
Acq: 4 Jun 2019 15:14

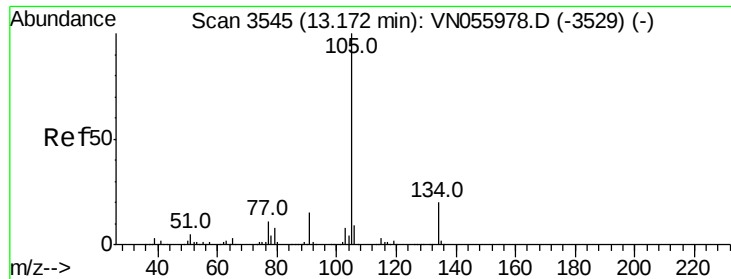
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	254297		
120	47.2	23.0	69.0	



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





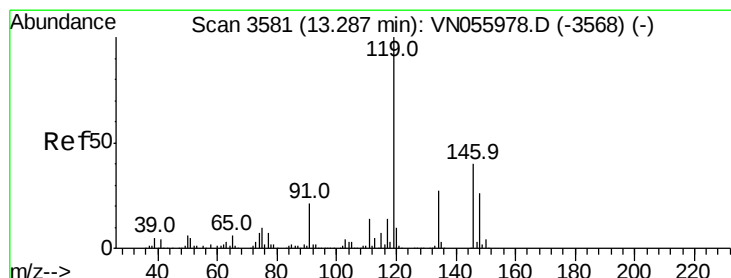
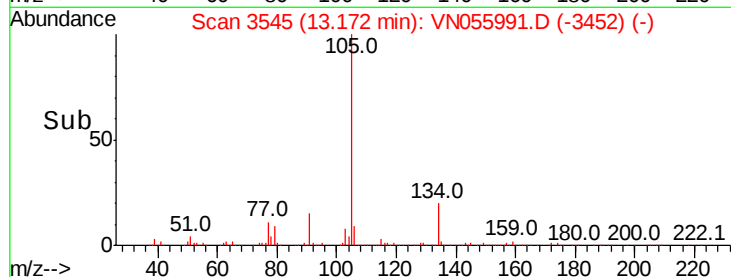
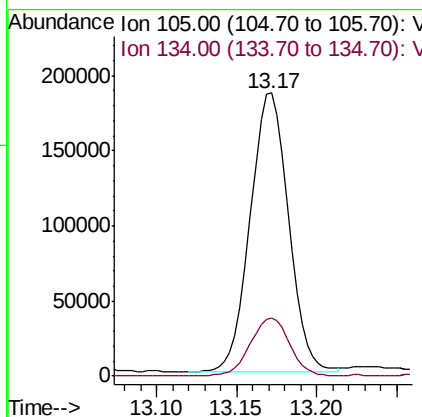
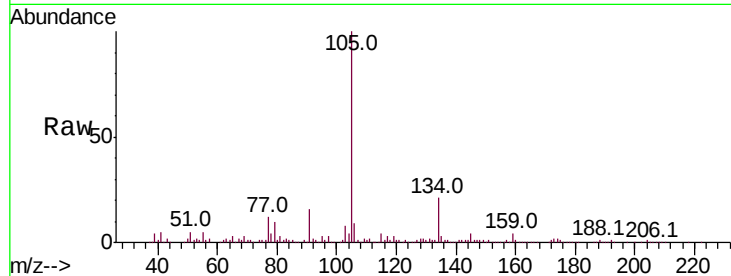
#85
 sec-Butylbenzene
 Concen: 20.546 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.2

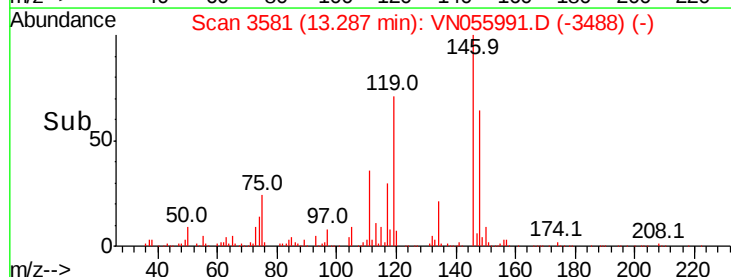
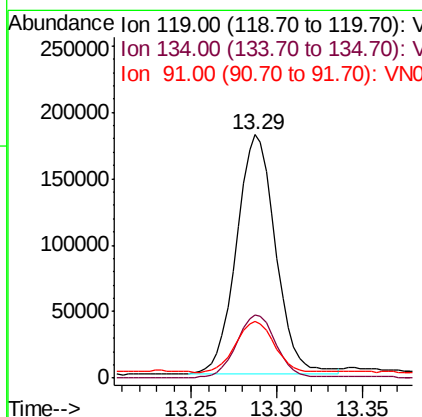
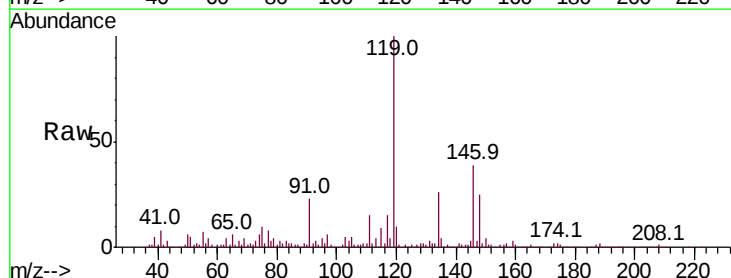
Manual Integrations
 APPROVED

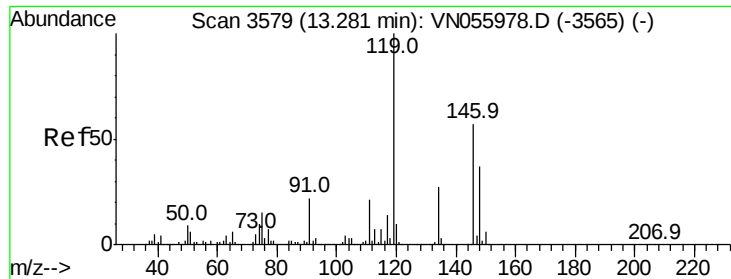
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 6/5/2019 4:04:04 PM



#86
 p-Isopropyltoluene
 Concen: 21.261 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.4	40.1
91	20.9	10.9	32.9





#87

1,3-Dichlorobenzene

Concen: 20.164 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055991.D

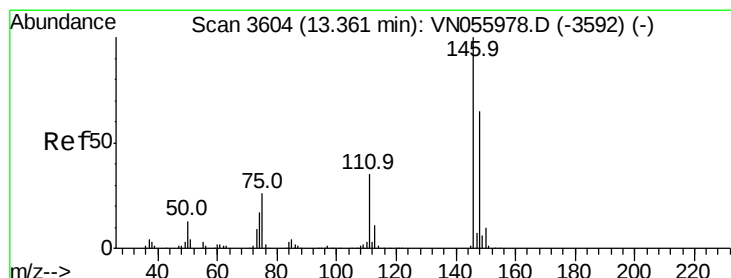
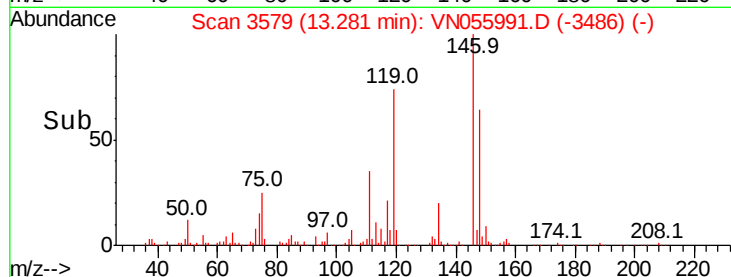
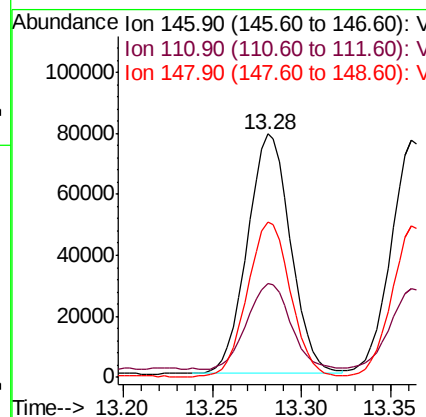
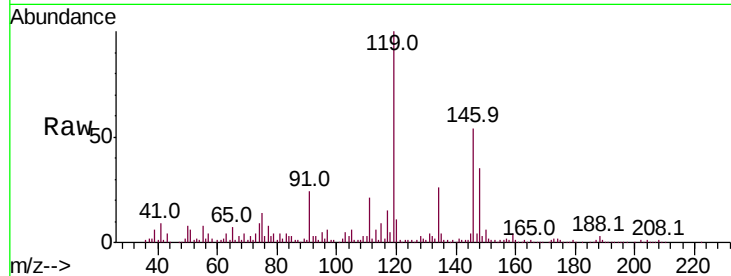
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.5	55.5
148	64.1	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.798 ug/l

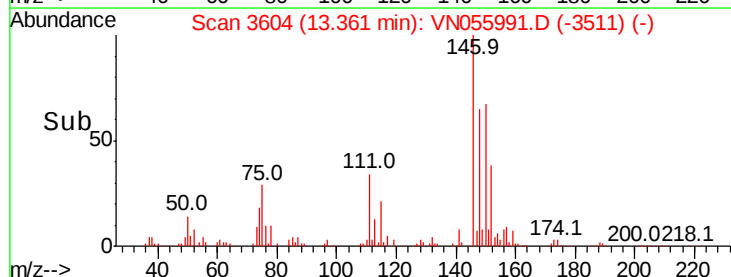
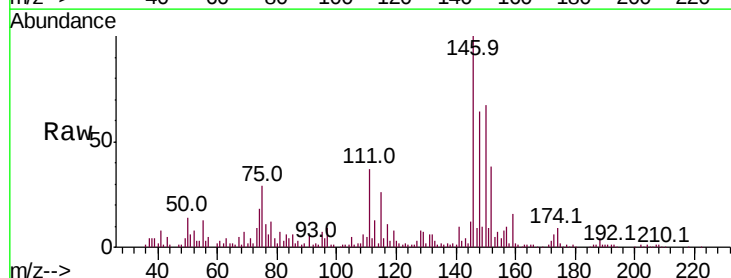
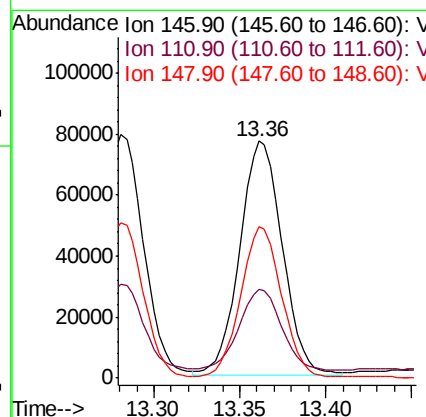
RT: 13.36 min Scan# 3604

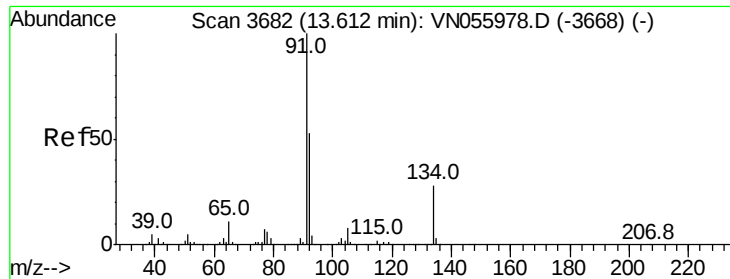
Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	18.1	54.4
148	61.4	32.1	96.5





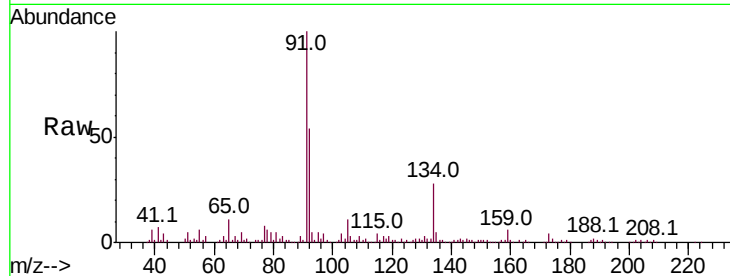
#89
n-Butylbenzene
Concen: 21.551 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.4	79.0
134	29.0	13.9	41.7

Manual Integrations
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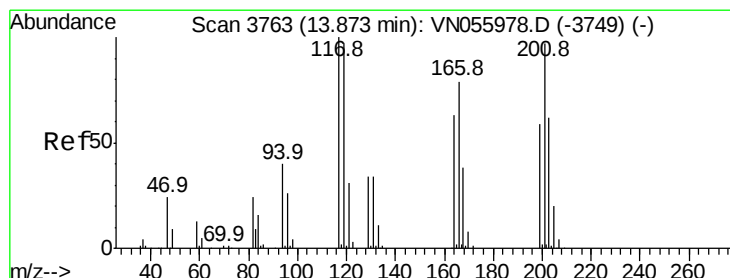
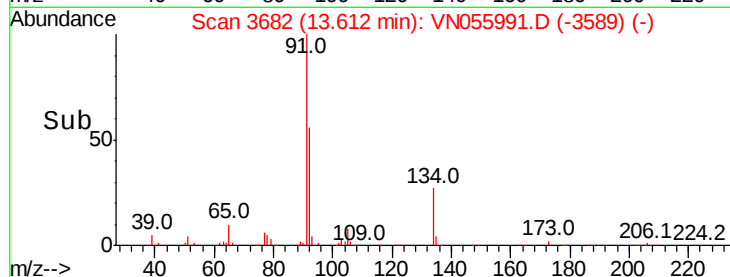
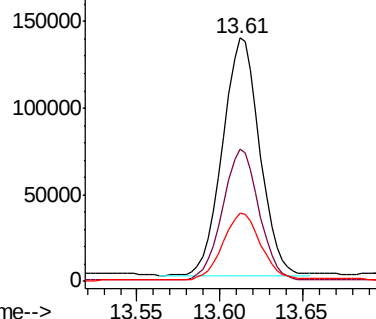


Abundance

Ion 91.00 (90.70 to 91.70): VN055991.D (-3668) (-)

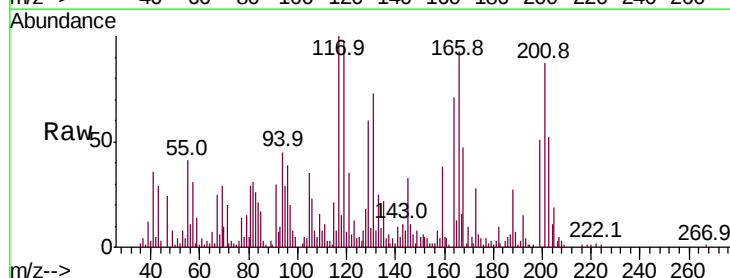
Ion 92.00 (91.70 to 92.70): VN055991.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055991.D (-3668) (-)



#90
Hexachloroethane
Concen: 22.947 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

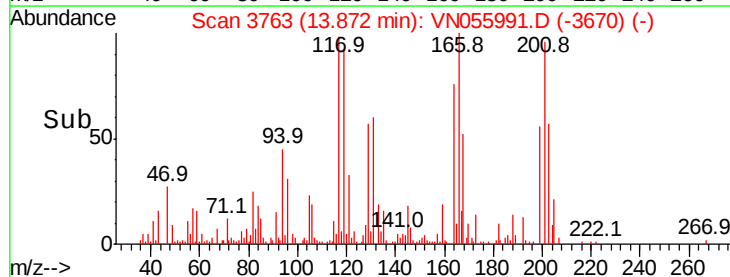
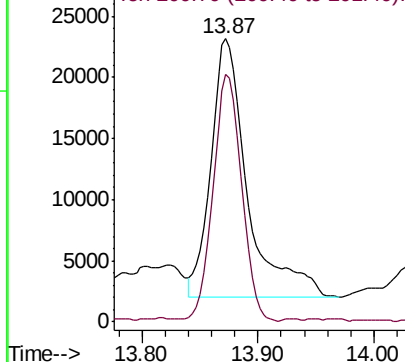
Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	50.0	150.0

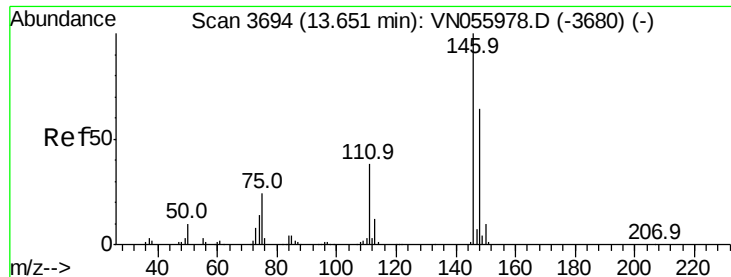


Abundance

Ion 116.80 (116.50 to 117.50): VN055991.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN055991.D (-3670) (-)





#91

1,2-Dichlorobenzene

Concen: 20.100 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

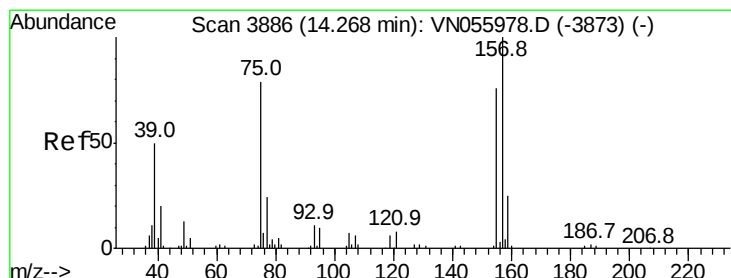
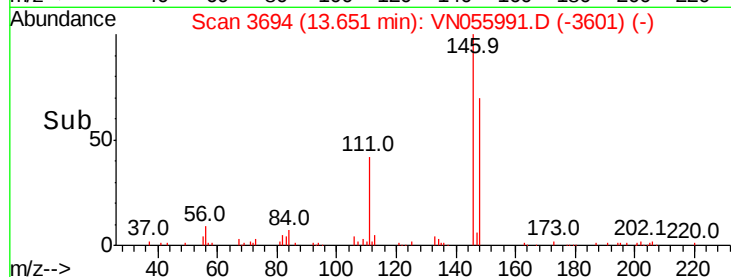
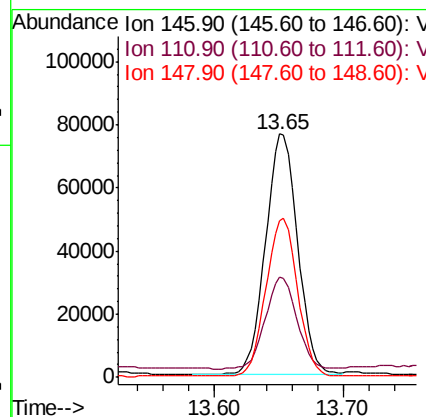
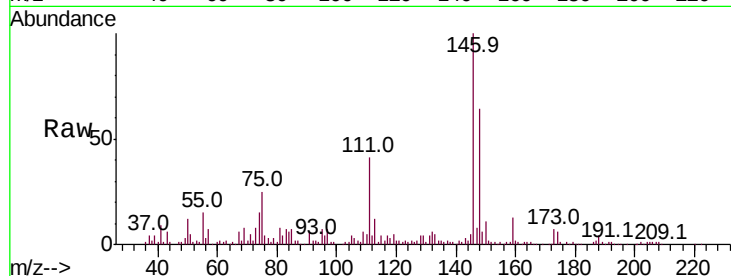
ClientSampled :

VN0604MBSD01

Tot Ion:	146	Resp:	133760
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.5
148	63.8	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.178 ug/l

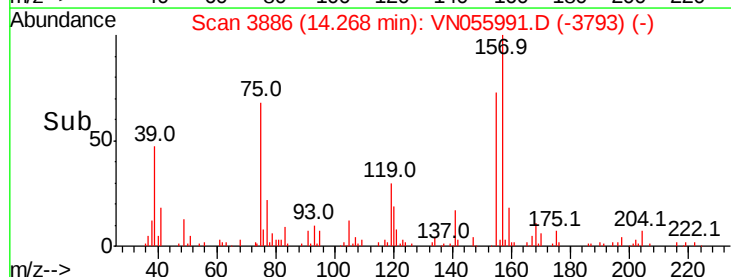
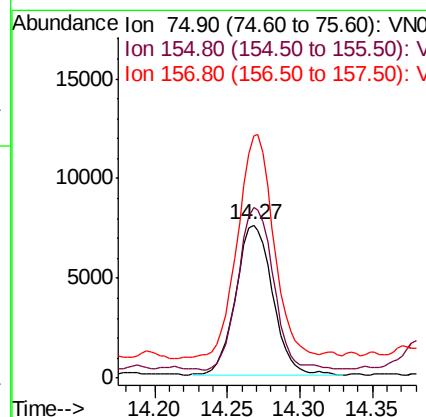
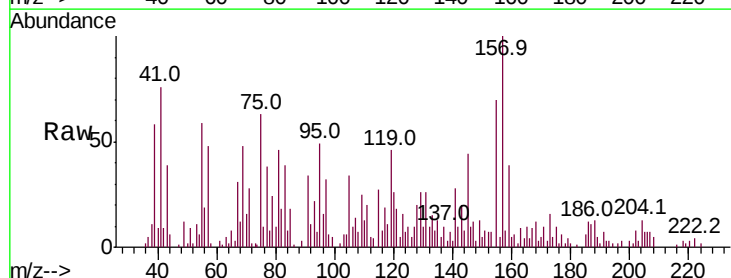
RT: 14.27 min Scan# 3886

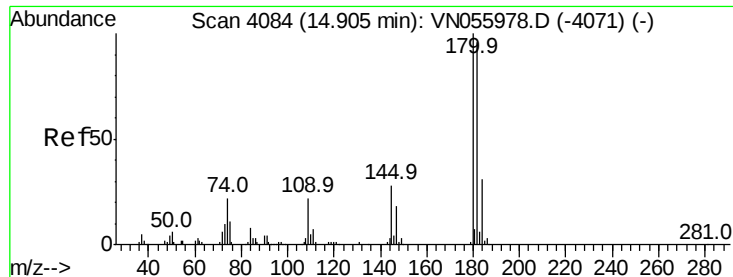
Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion:	75	Resp:	13327
Ion Ratio	Lower	Upper	
75	100		
155	102.6	50.0	150.1
157	148.2	64.8	194.3





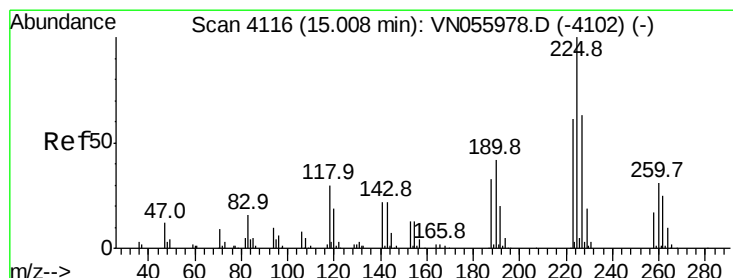
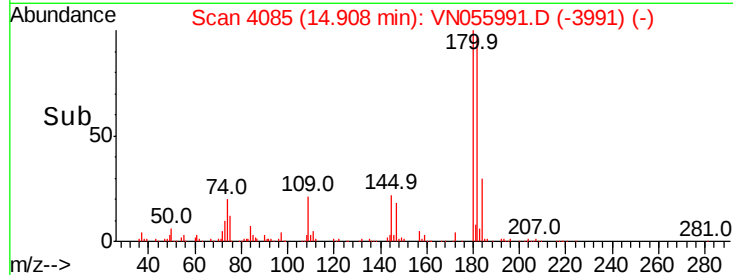
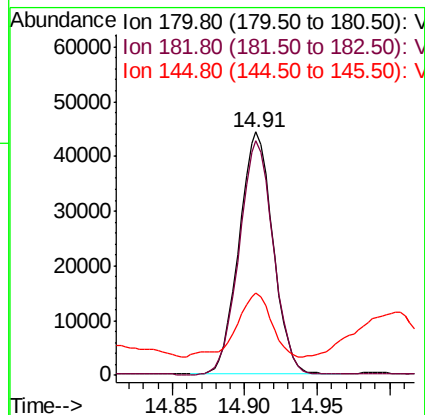
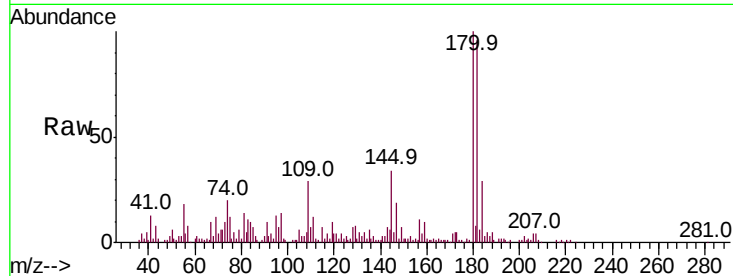
#93
1,2,4-Trichlorobenzene
Concen: 22.218 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.3	144.9
145	27.4	14.0	41.9

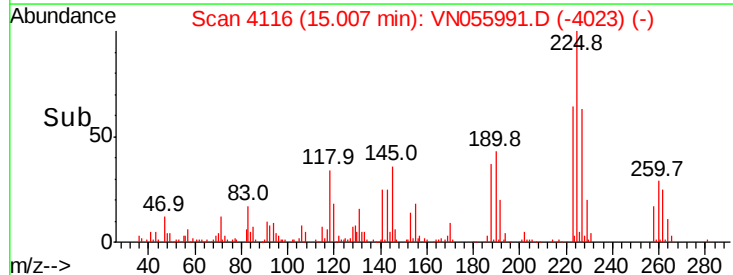
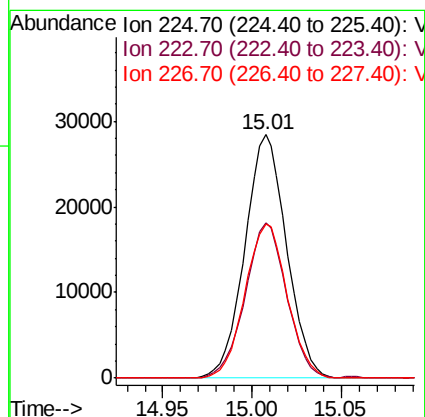
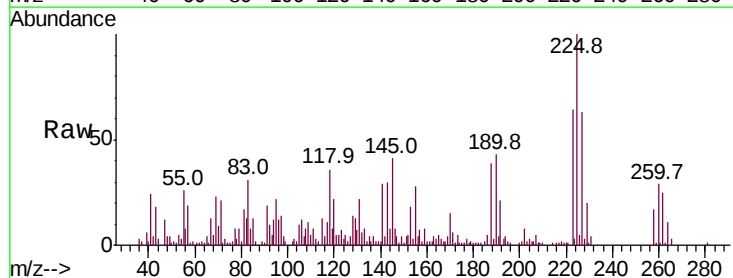
Manual Integrations
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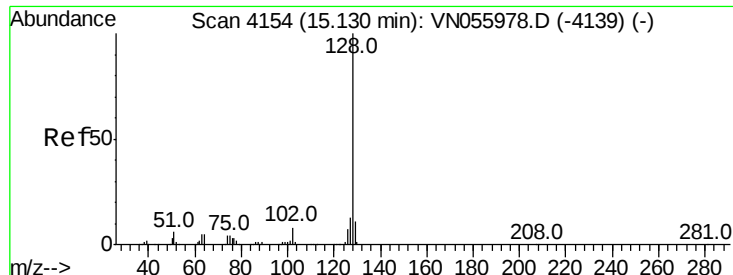
MMDadoda
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#94
Hexachlorobutadiene
Concen: 19.065 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.7
227	63.8	31.6	94.7





#95

Naphthalene

Concen: 24.752 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

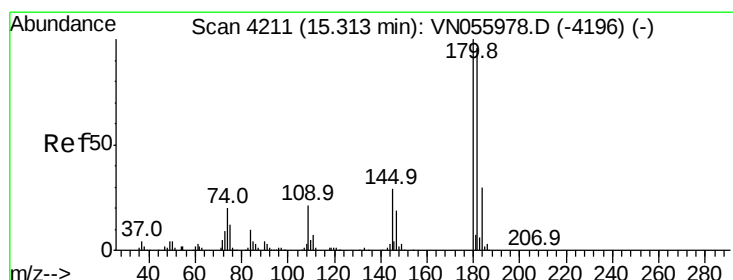
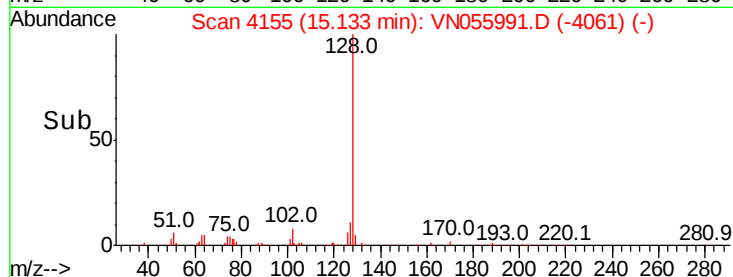
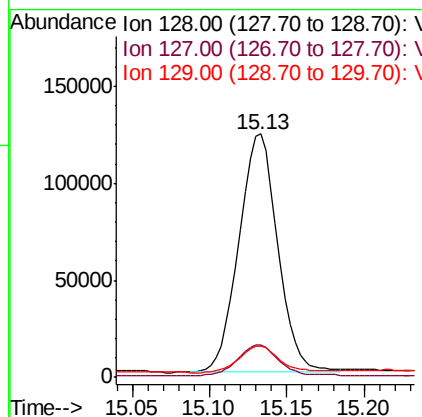
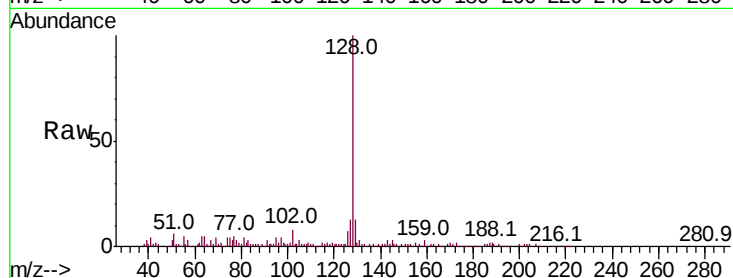
ClientSampleId :

VN0604MBSD01

Tot Ion:	128	Resp:	215453
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.3	15.5
129	11.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 22.678 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion:	180	Resp:	78163
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	32.0	14.9	44.7

