

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055971.D
 Acq On : 3 Jun 2019 19:15
 Operator : JC/SP
 Sample : VN0603MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0603MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 11:24:58 AM

Quant Time: Jun 04 03:15:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	452048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	399735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165507	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	161145	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	140762	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.09	98	542945	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	183229	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	35487	17.799	ug/l	100
3) Chloromethane	2.06	50	53818	19.265	ug/l	97
4) Vinyl Chloride	2.18	62	56551	18.980	ug/l	97
5) Bromomethane	2.53	94	40960m	21.974	ug/l	
6) Chloroethane	2.68	64	35684	19.892	ug/l	96
7) Trichlorofluoromethane	3.00	101	75220	19.256	ug/l	98
8) Diethyl Ether	3.40	74	35150	20.077	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	47663	19.547	ug/l	100
10) Methyl Iodide	3.94	142	76049	21.332	ug/l	99
11) Tert butyl alcohol	4.82	59	58136	99.453	ug/l	98
12) 1,1-Dichloroethene	3.72	96	49240	19.543	ug/l	97
13) Acrolein	3.60	56	27127	64.809	ug/l	97
14) Allyl chloride	4.31	41	78964	18.282	ug/l	98
15) Acrylonitrile	4.99	53	146021	108.784	ug/l	99
16) Acetone	3.82	43	125572	93.371	ug/l	99
17) Carbon Disulfide	4.04	76	94118	13.148	ug/l	99
18) Methyl Acetate	4.33	43	65674	23.347	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	175150	20.844	ug/l	99
20) Methylene Chloride	4.54	84	61496	21.114	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	53702	19.840	ug/l	99
22) Diisopropyl ether	5.95	45	178086	21.199	ug/l	98
23) Vinyl Acetate	5.90	43	699231	97.079	ug/l	99
24) 1,1-Dichloroethane	5.84	63	100252	20.496	ug/l	100
25) 2-Butanone	6.84	43	194780	103.705	ug/l	100
26) 2,2-Dichloropropane	6.82	77	64971	15.348	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	65586	20.768	ug/l	97
28) Bromochloromethane	7.19	49	48897	20.997	ug/l	100
29) Tetrahydrofuran	7.22	42	127148	106.899	ug/l	99
30) Chloroform	7.37	83	101065	20.719	ug/l	100
31) Cyclohexane	7.65	56	87789	19.117	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	82909	19.047	ug/l	98
36) 1,1-Dichloropropene	7.79	75	70970	18.015	ug/l	99
37) Ethyl Acetate	6.93	43	75240	19.761	ug/l	99
38) Carbon Tetrachloride	7.77	117	66843	16.290	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	83875	17.194	ug/l	99
40) Benzene	8.04	78	231900	19.532	ug/l	99
41) Methacrylonitrile	7.18	41	39674	20.626	ug/l	95
42) 1,2-Dichloroethane	8.12	62	76429	19.700	ug/l	100
43) Isopropyl Acetate	8.17	43	123147	19.250	ug/l #	92
44) Trichloroethene	8.83	130	65472	19.781	ug/l	100
45) 1,2-Dichloropropane	9.12	63	62017	20.049	ug/l	97
46) Dibromomethane	9.21	93	40279	19.855	ug/l	99
47) Bromodichloromethane	9.40	83	70862	17.035	ug/l	98
48) Methyl methacrylate	9.20	41	59118	20.052	ug/l	98
49) 1,4-Dioxane	9.20	88	26576	433.766	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	390554	103.371	ug/l	100
52) Toluene	10.16	92	149891	20.074	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	72391	16.303	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	86664	17.618	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	62083	20.754	ug/l	98
56) Ethyl methacrylate	10.43	69	91891	19.876	ug/l	99
57) 1,3-Dichloropropane	10.71	76	98311	20.219	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	161938	91.658	ug/l	100
59) 2-Hexanone	10.75	43	267248	99.709	ug/l	99
60) Dibromochloromethane	10.90	129	55995	16.068	ug/l	98
61) 1,2-Dibromoethane	11.00	107	61788	19.914	ug/l	99
64) Tetrachloroethene	10.63	164	68841	20.419	ug/l	98
65) Chlorobenzene	11.43	112	162113	20.258	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	56290	17.637	ug/l	99
67) Ethyl Benzene	11.51	91	282721	19.701	ug/l	98
68) m/p-Xylenes	11.62	106	213540	39.361	ug/l	100
69) o-Xylene	11.95	106	106078	19.708	ug/l	98
70) Styrene	11.96	104	173340	19.887	ug/l	100
71) Bromoform	12.13	173	37432	13.750	ug/l #	99
73) Isopropylbenzene	12.25	105	280944	22.390	ug/l	100
74) N-amyl acetate	12.07	43	97525	20.412	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	85345	22.666	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69206m	22.556	ug/l	
77) Bromobenzene	12.53	156	85248	24.138	ug/l	82
78) n-propylbenzene	12.59	91	294164	20.450	ug/l	100
79) 2-Chlorotoluene	12.67	91	182441	22.125	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	229271	21.686	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17407	14.151	ug/l #	85
82) 4-Chlorotoluene	12.77	91	171467	20.278	ug/l	99
83) tert-Butylbenzene	12.99	119	206145	22.395	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	226242	21.535	ug/l	100
85) sec-Butylbenzene	13.17	105	264374	22.426	ug/l	99
86) p-Isopropyltoluene	13.29	119	236650	20.589	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	114331	20.444	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	107247	20.171	ug/l	99
89) n-Butylbenzene	13.61	91	169953	19.298	ug/l	99
90) Hexachloroethane	13.87	117	32569	14.887	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	115880	20.769	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11782	16.066	ug/l	95

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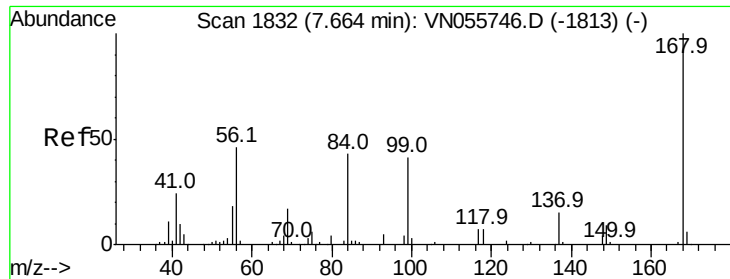
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50129	18.117	ug/l	99
94) Hexachlorobutadiene	15.01	225	41090	19.824	ug/l	99
95) Naphthalene	15.13	128	143148	18.697	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57135	19.372	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion:168 Resp: 296252

Ion Ratio Lower Upper

168 100

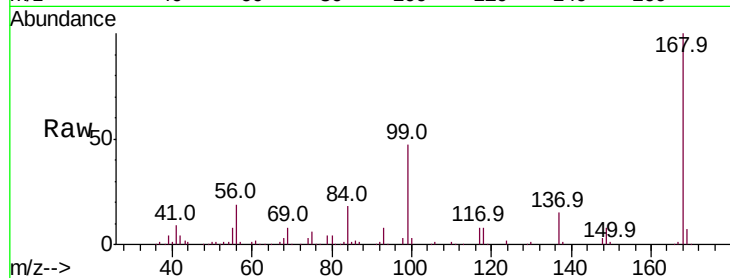
99 46.5 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

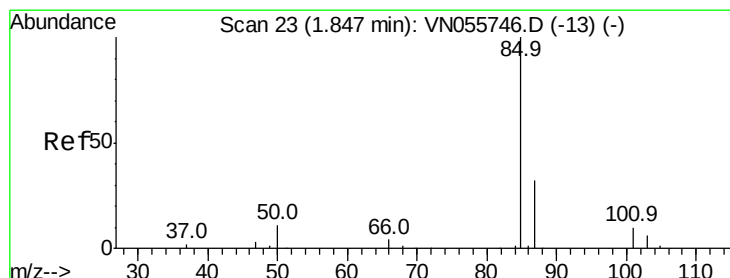
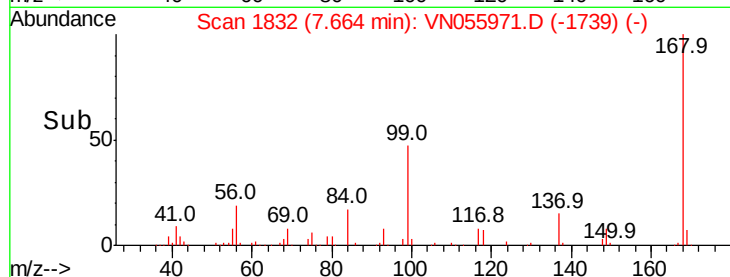
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.799 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055971.D

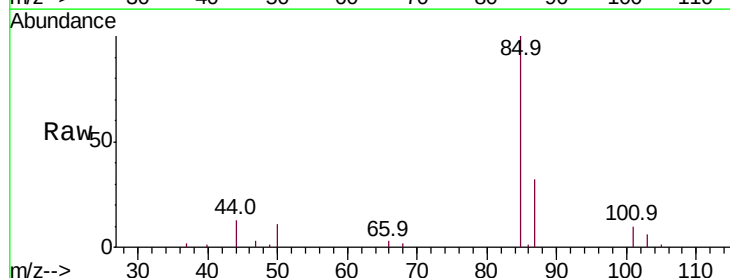
Acq: 3 Jun 2019 19:15

Tgt Ion: 85 Resp: 35487

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

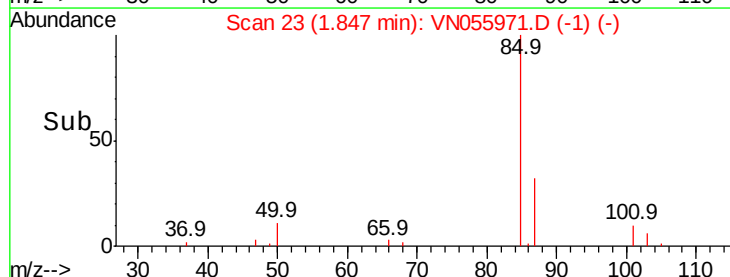
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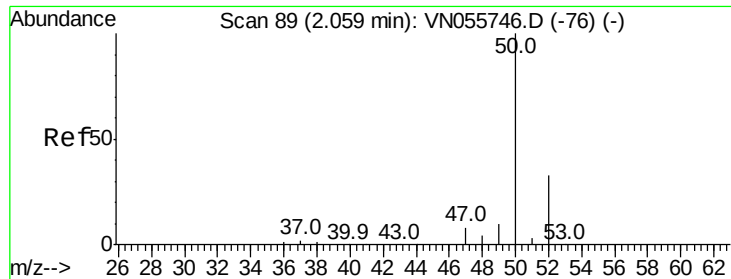
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.265 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 50 Resp: 53818

Ion Ratio Lower Upper

50 100

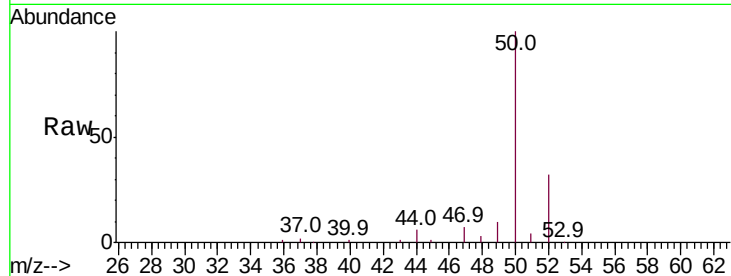
52 31.6 26.6 40.0

Manual Integrations

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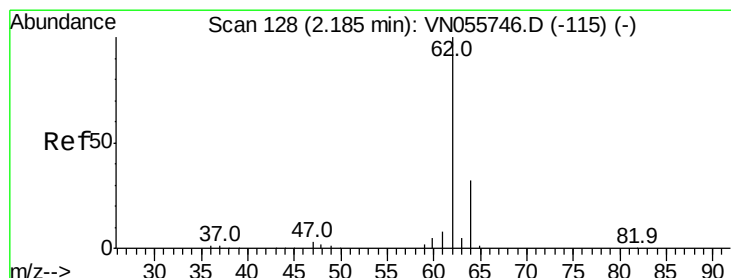
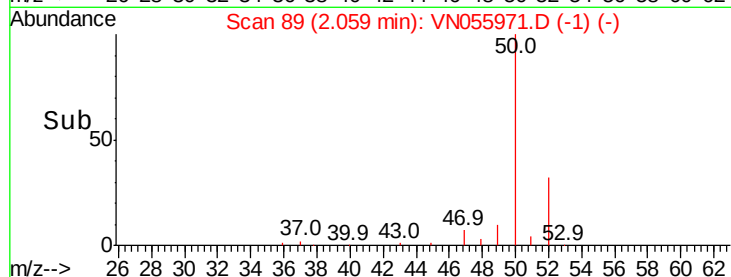
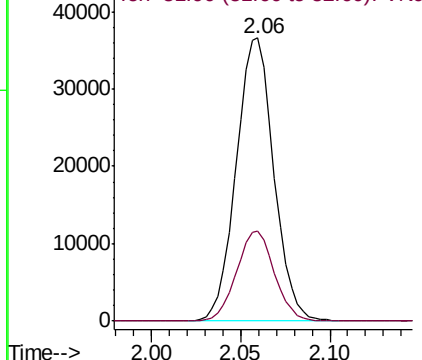
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.980 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055971.D

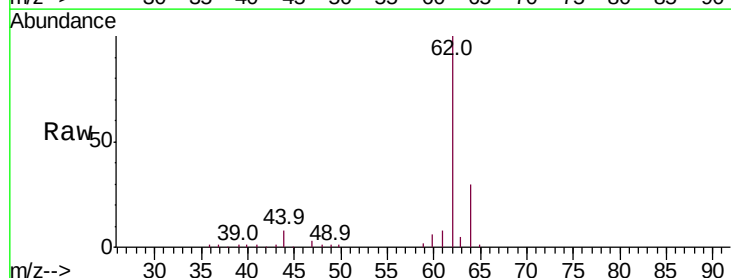
Acq: 3 Jun 2019 19:15

Tgt Ion: 62 Resp: 56551

Ion Ratio Lower Upper

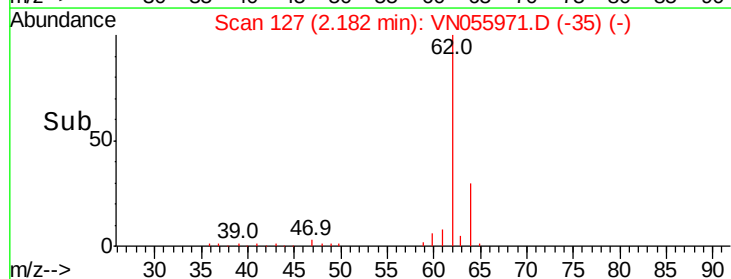
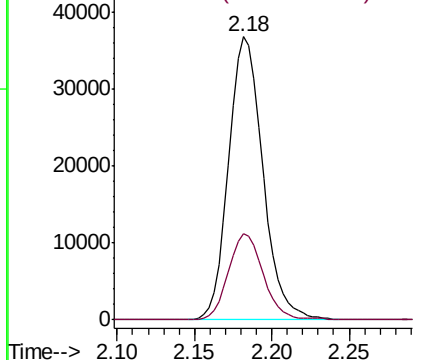
62 100

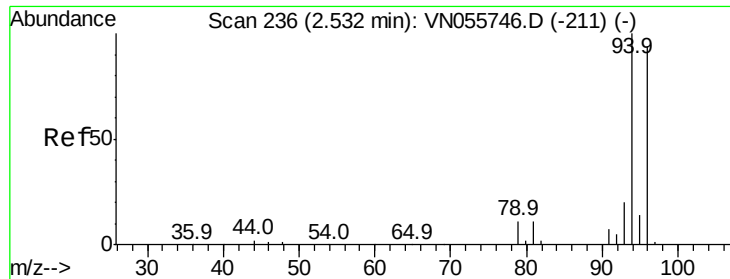
64 30.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.974 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 94 Resp: 40960

Ion Ratio Lower Upper

94 100

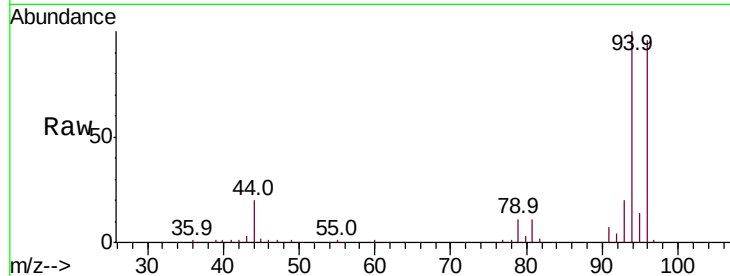
96 96.1 75.5 113.3

Manual Integrations

APPROVED

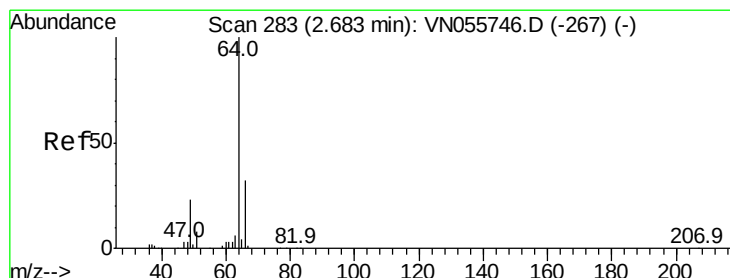
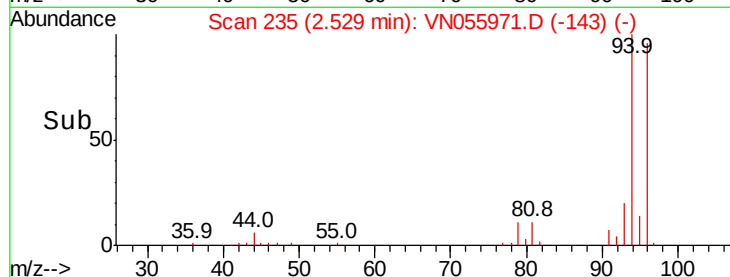
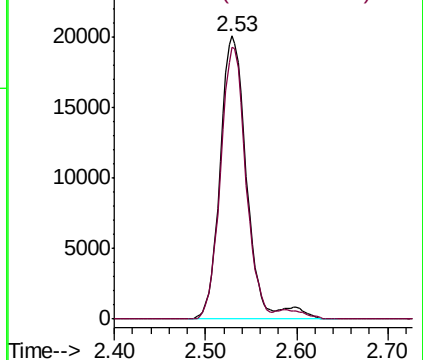
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.892 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055971.D

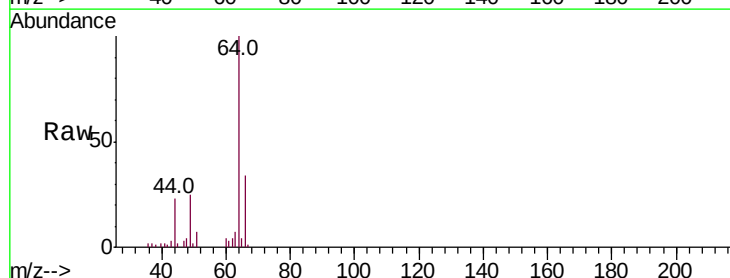
Acq: 3 Jun 2019 19:15

Tgt Ion: 64 Resp: 35684

Ion Ratio Lower Upper

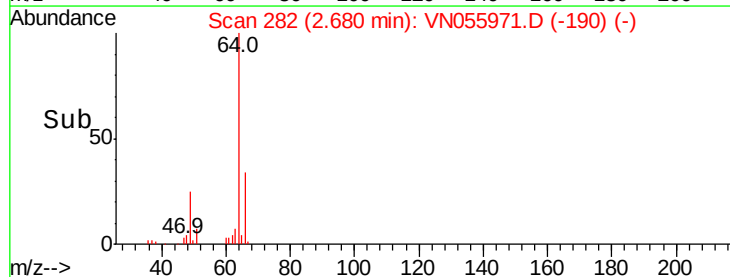
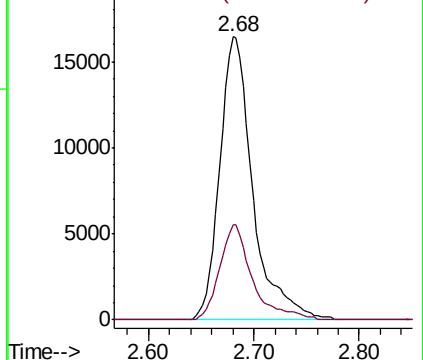
64 100

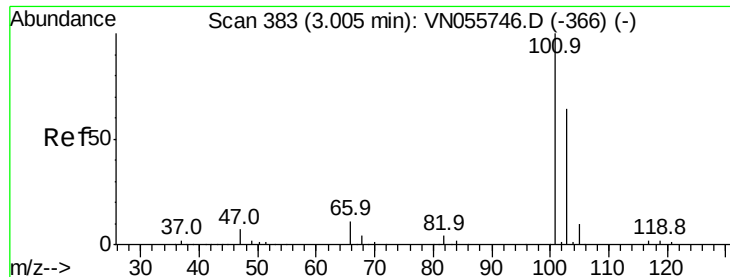
66 33.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

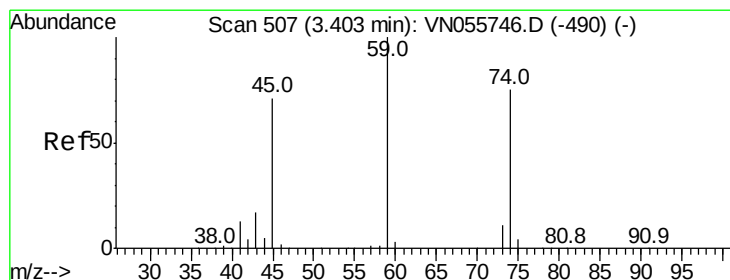
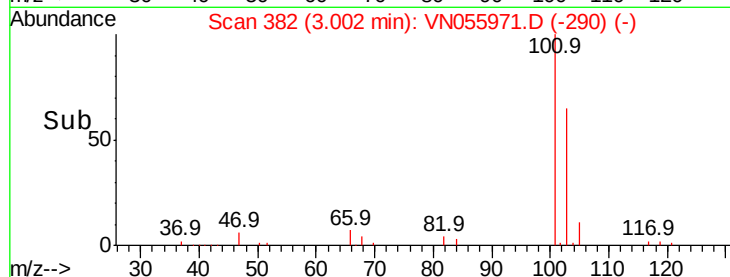
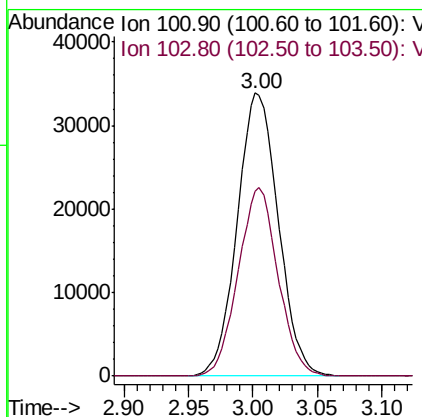
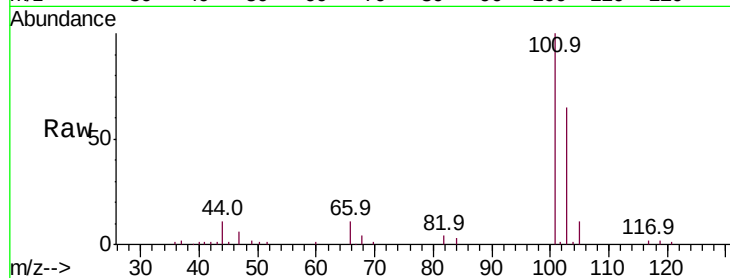
Trichlorofluoromethane
 Concen: 19.256 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.2	76.8

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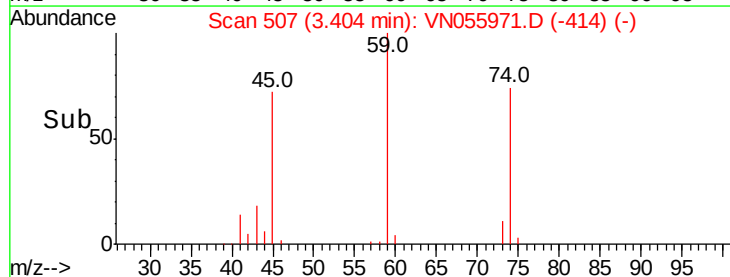
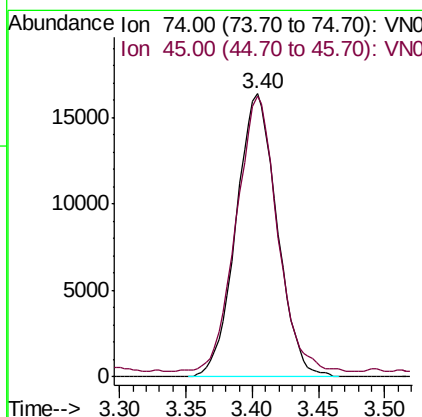
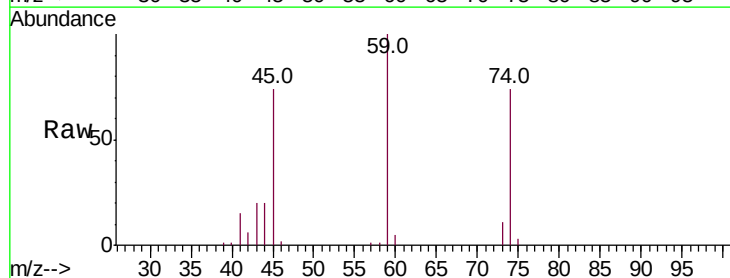
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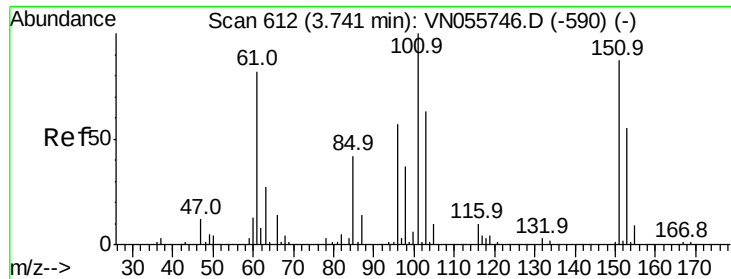


#8

Diethyl Ether
 Concen: 20.077 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.547 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion:101 Resp: 47663

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.2

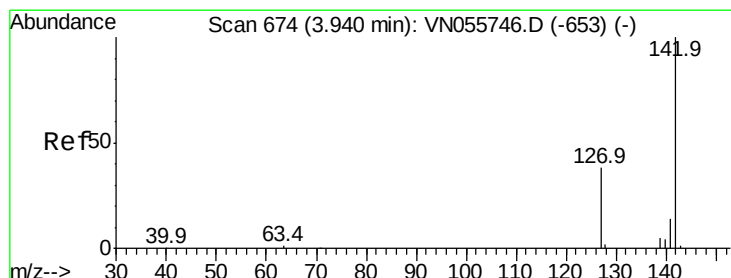
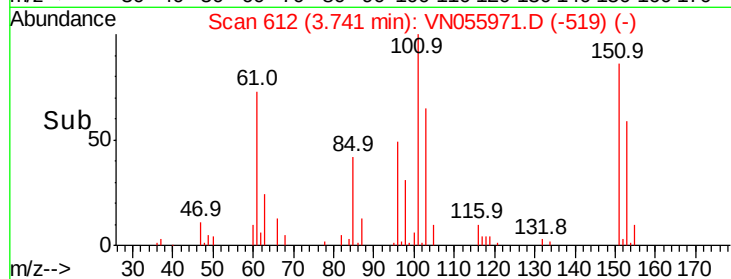
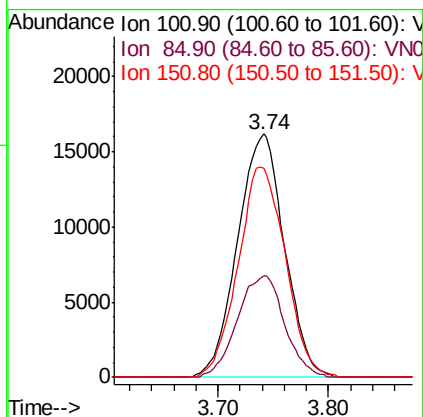
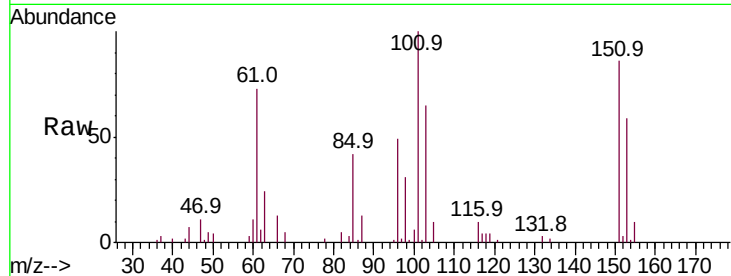
151 87.0 69.4 104.2

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#10

Methyl Iodide

Concen: 21.332 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

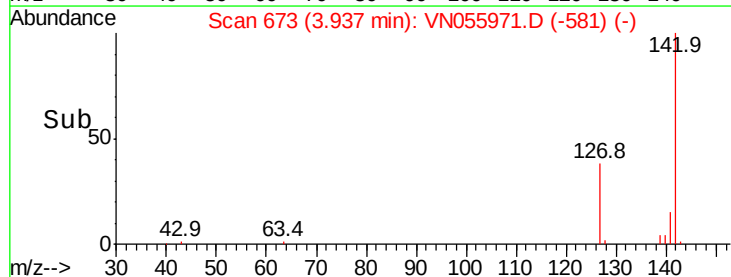
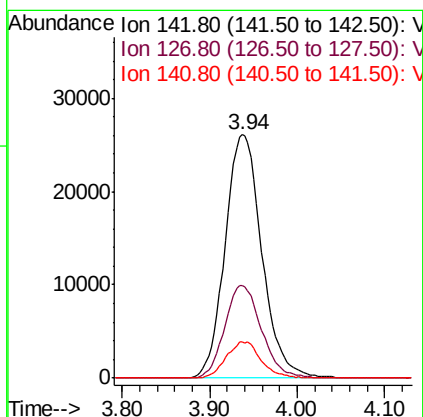
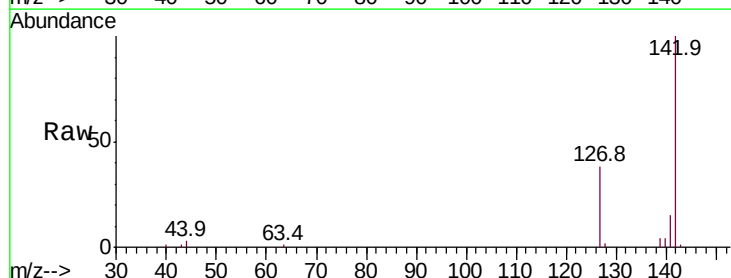
Tgt Ion:142 Resp: 76049

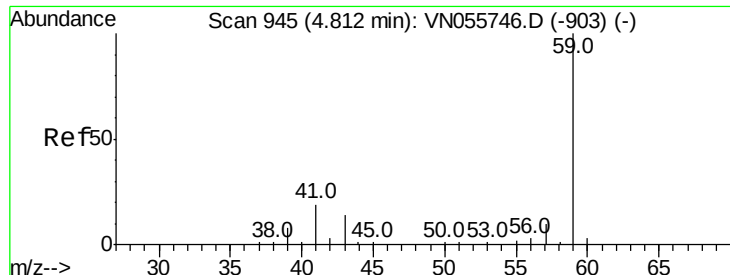
Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.4

141 14.1 11.4 17.0





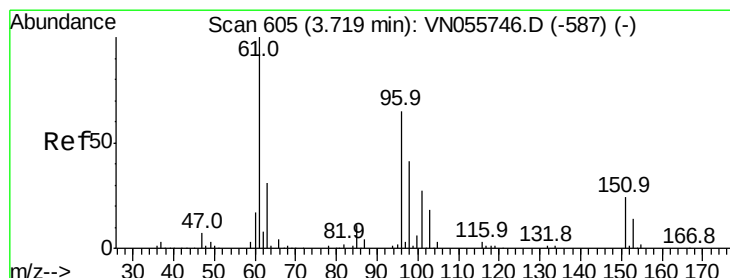
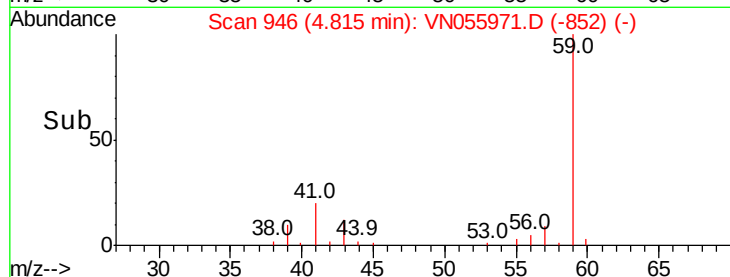
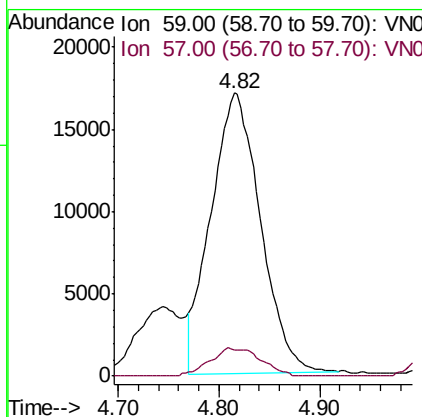
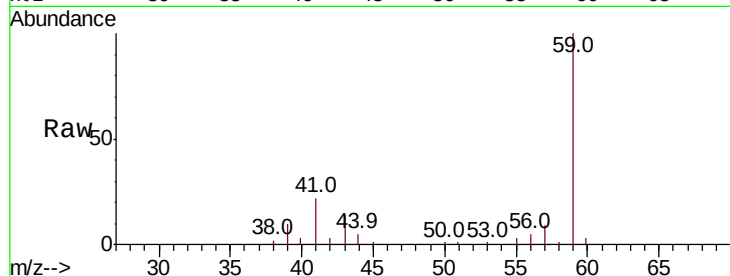
#11
Tert butyl alcohol
Concen: 99.453 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion: 59 Resp: 58136
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.6

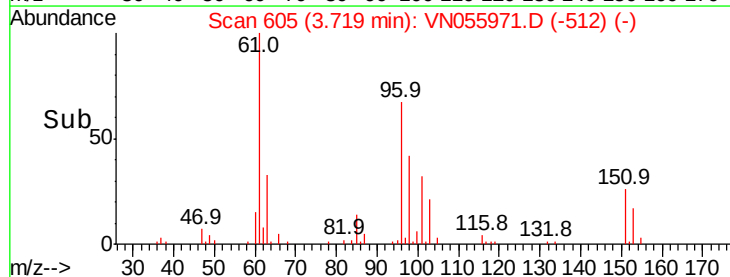
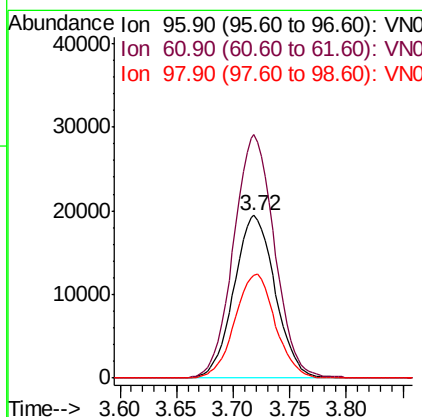
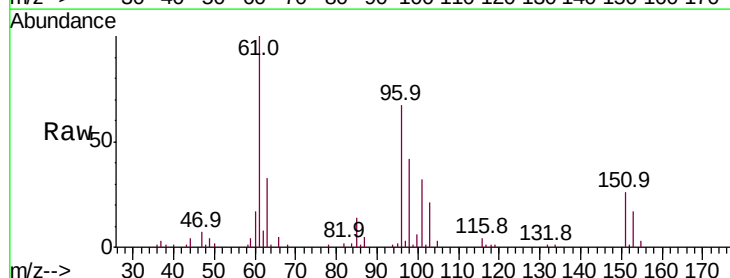
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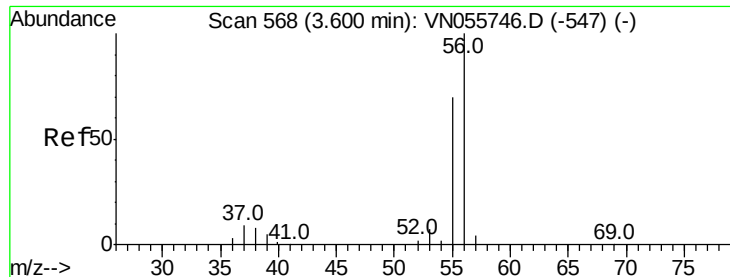
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.543 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion: 96 Resp: 49240
Ion Ratio Lower Upper
96 100
61 149.5 123.2 184.8
98 63.4 50.4 75.6





#13

Acrolein

Concen: 64.809 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 56 Resp: 27127

Ion Ratio Lower Upper

56 100

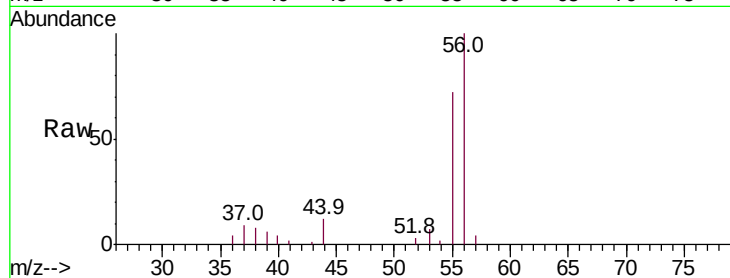
55 71.6 55.4 83.2

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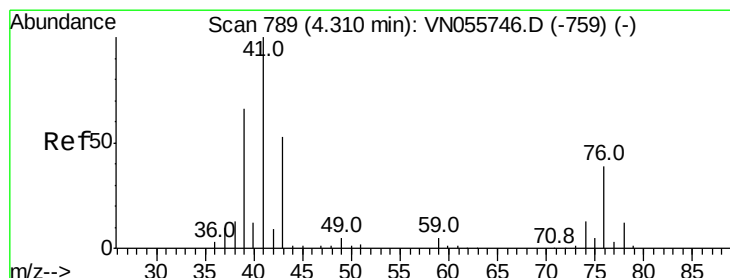
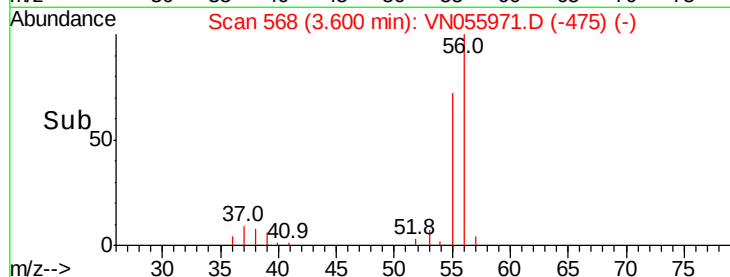
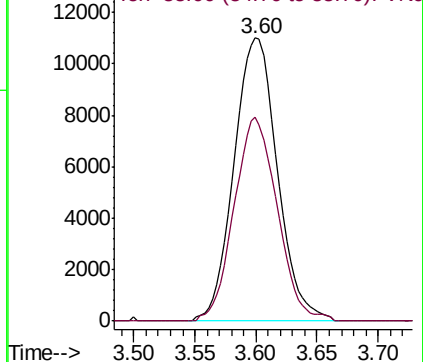
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.282 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

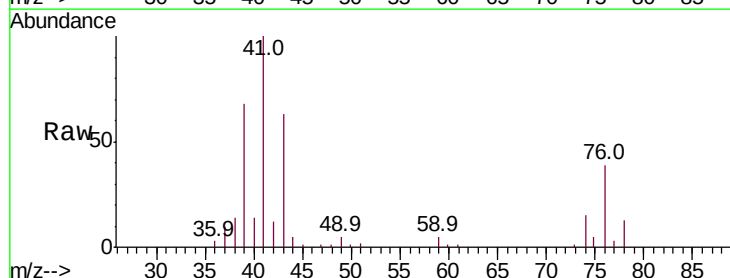
Tgt Ion: 41 Resp: 78964

Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

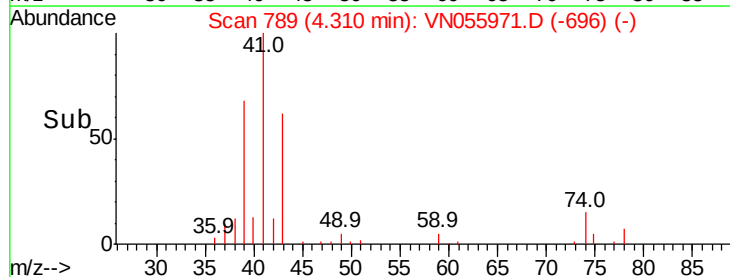
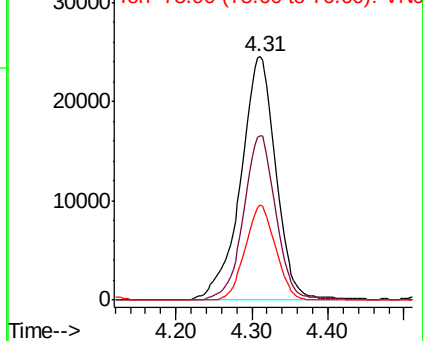
76 33.6 28.2 42.2

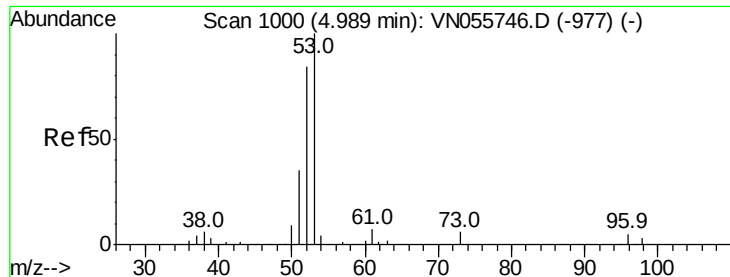


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 108.784 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

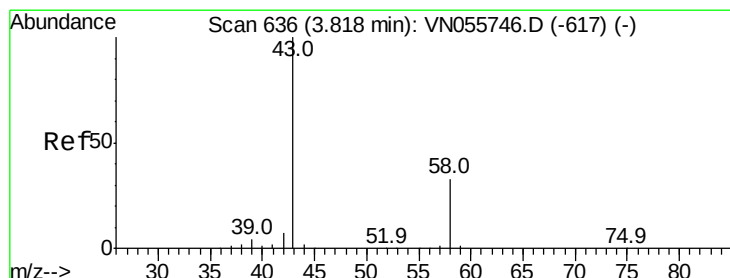
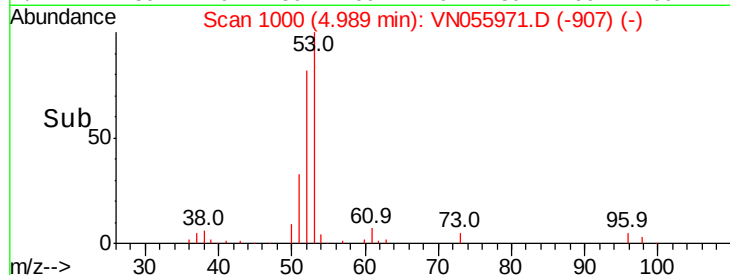
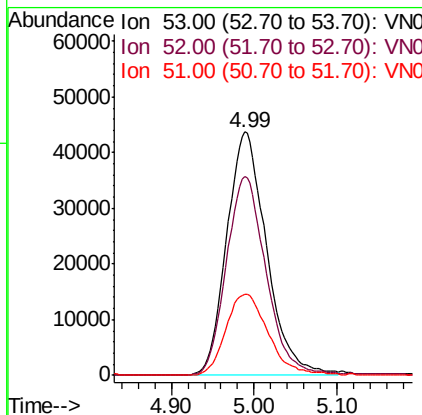
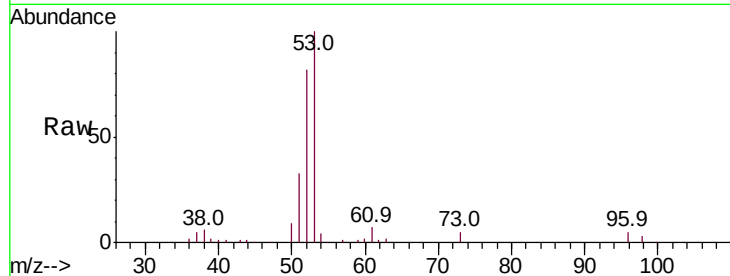
ClientSampleId :

VN0603MBSD01

Tot Ion	53	Resp	146021
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.8	98.8
51	35.6	28.2	42.4

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#16

Acetone

Concen: 93.371 ug/l

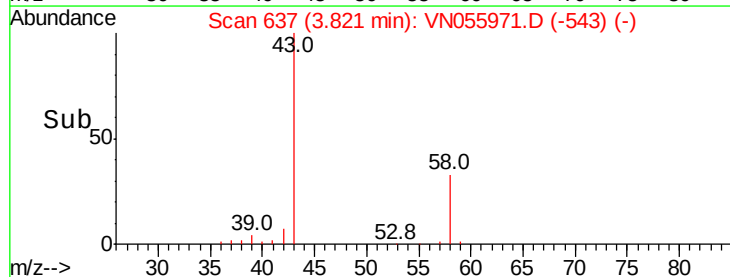
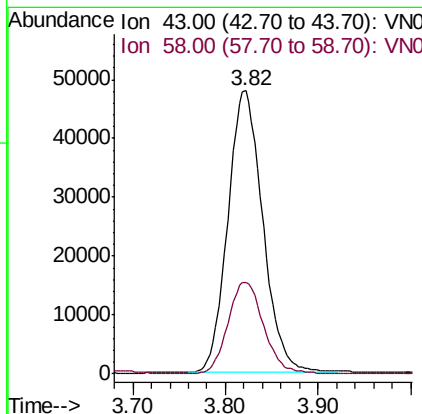
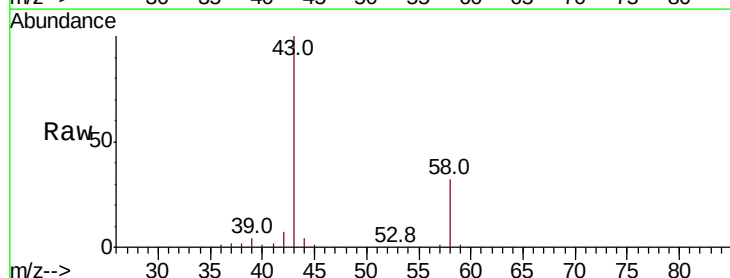
RT: 3.82 min Scan# 637

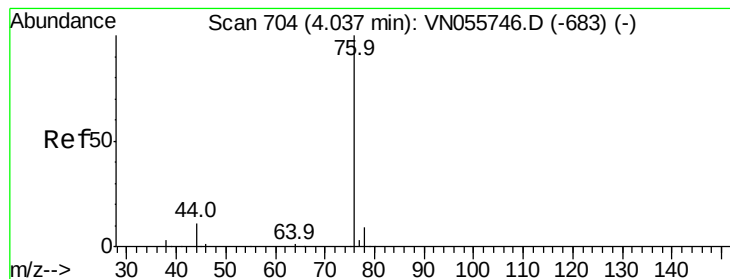
Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion	43	Resp	125572
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.6	39.8





#17

Carbon Disulfide

Concen: 13.148 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 76 Resp: 94118

Ion Ratio Lower Upper

76 100

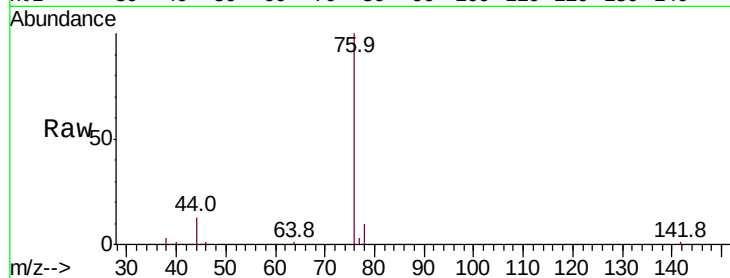
78 9.6 7.4 11.2

Manual Integrations

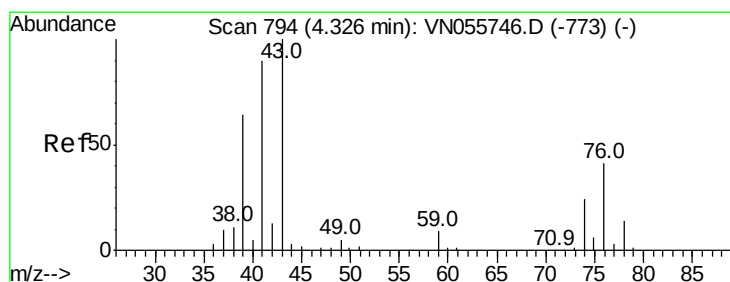
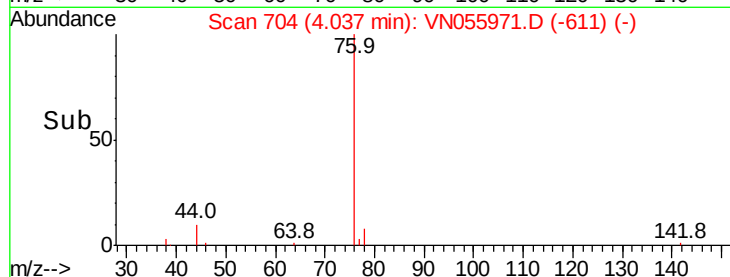
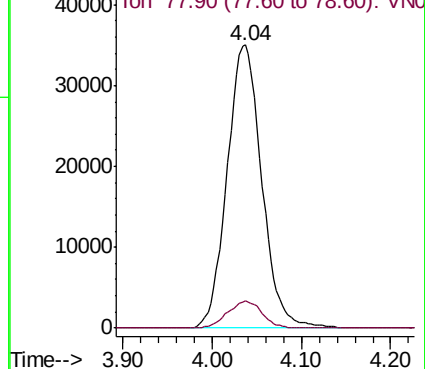
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Abundance Ion 75.90 (75.60 to 76.60): VN055971.D (-611) (-)



#18

Methyl Acetate

Concen: 23.347 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055971.D

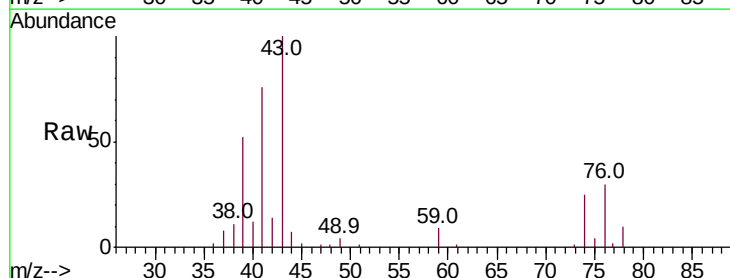
Acq: 3 Jun 2019 19:15

Tgt Ion: 43 Resp: 65674

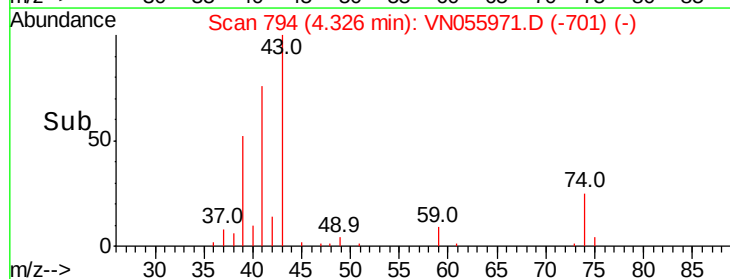
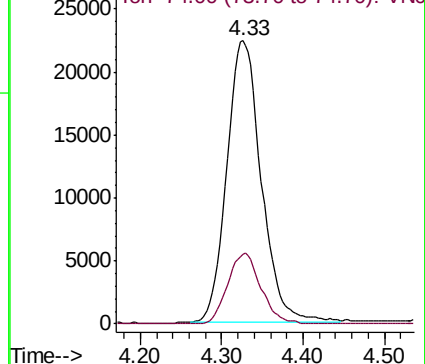
Ion Ratio Lower Upper

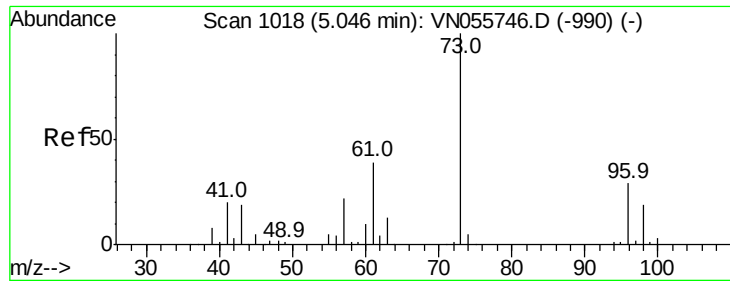
43 100

74 24.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN055971.D (-701) (-)





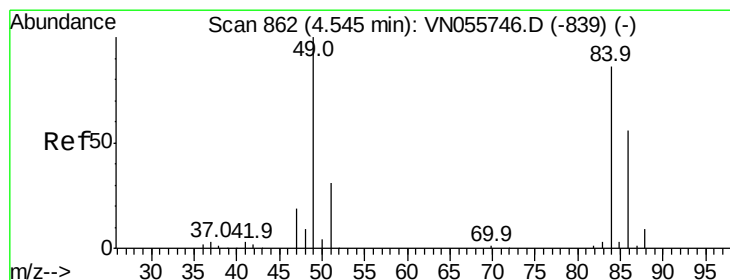
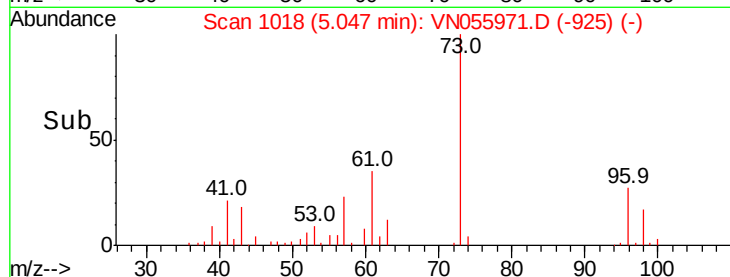
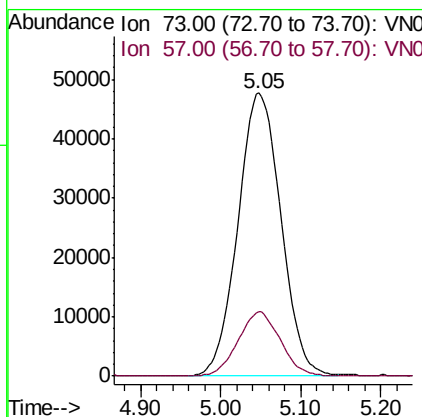
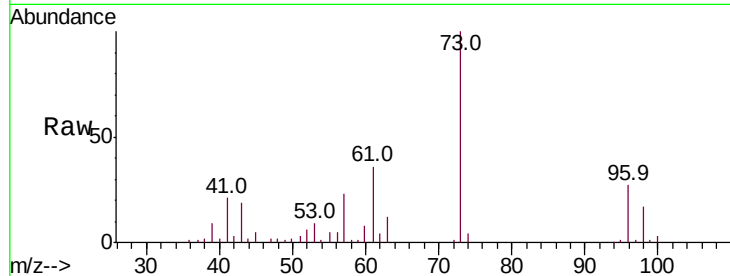
#19
Methyl tert-butyl Ether
Concen: 20.844 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion: 73 Resp: 175150
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8

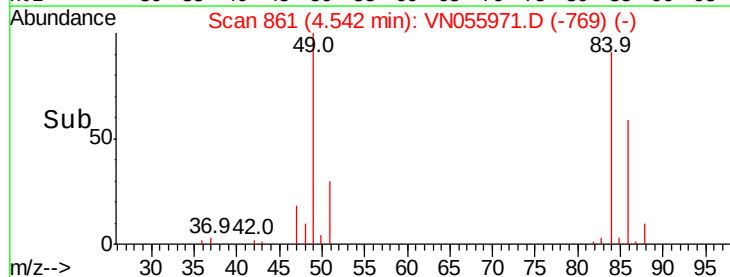
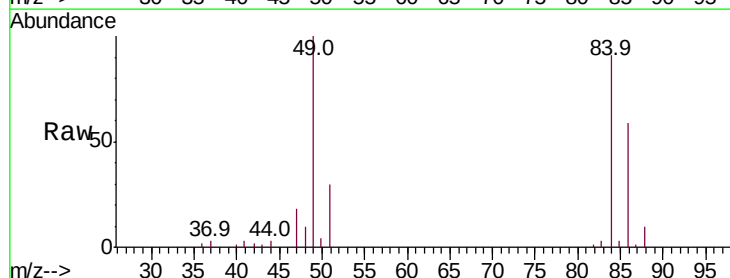
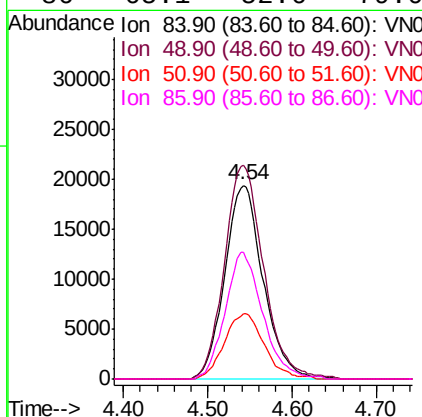
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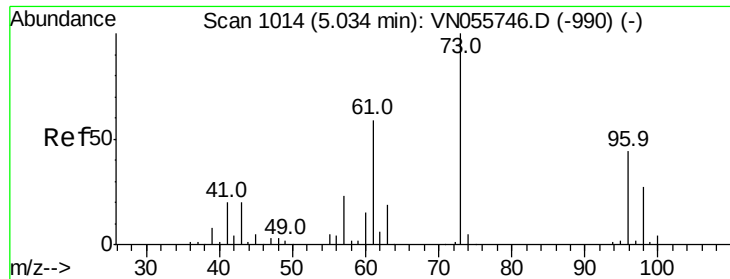
MMDadoda
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#20
Methylene Chloride
Concen: 21.114 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion: 84 Resp: 61496
Ion Ratio Lower Upper
84 100
49 110.2 93.5 140.3
51 33.4 28.6 43.0
86 65.1 52.6 79.0





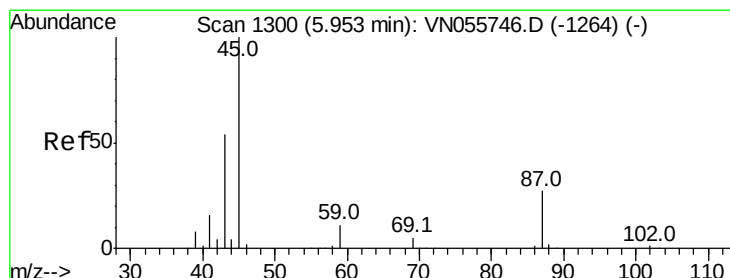
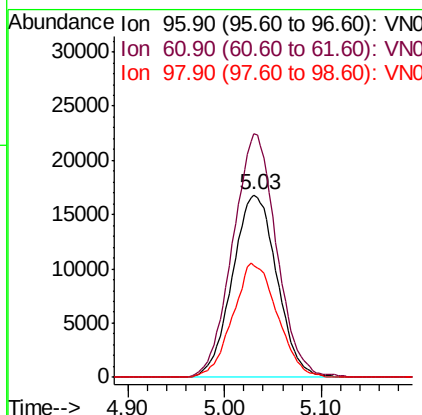
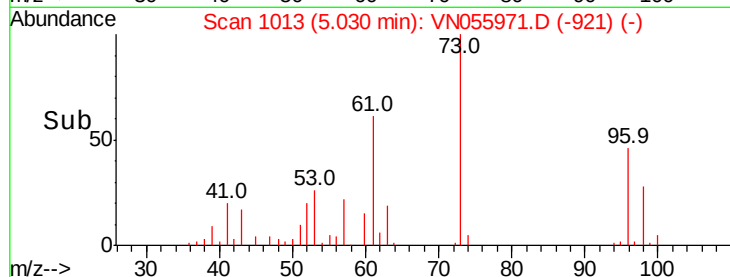
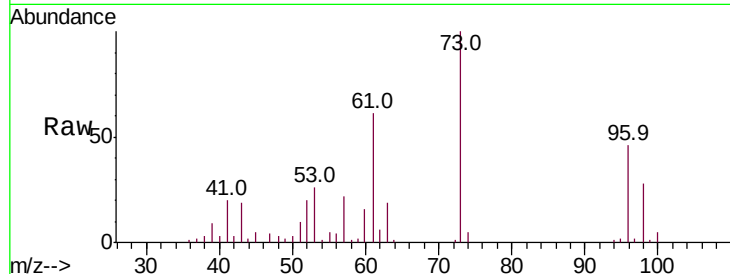
#21
trans-1,2-Dichloroethene
Concen: 19.840 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	107.8	161.8
98	61.6	49.8	74.8

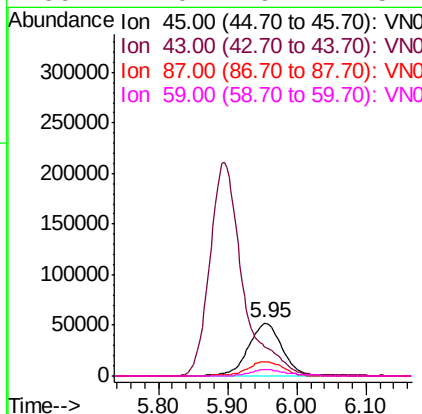
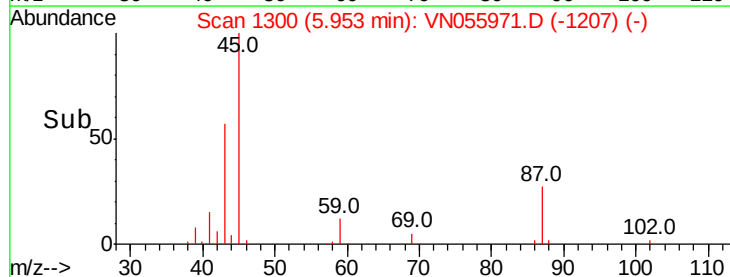
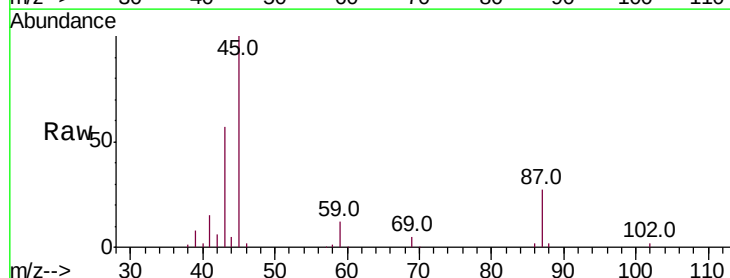
Manual Integrations
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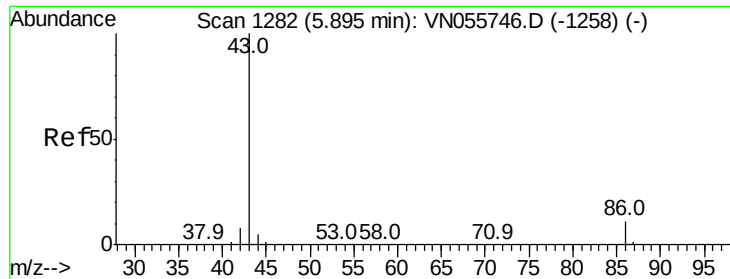
MMDadoda
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#22
Diisopropyl ether
Concen: 21.199 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	45.0	67.6
87	27.0	22.2	33.4
59	12.0	9.1	13.7





#23

Vinyl Acetate

Concen: 97.079 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 43 Resp: 699231

Ion Ratio Lower Upper

43 100

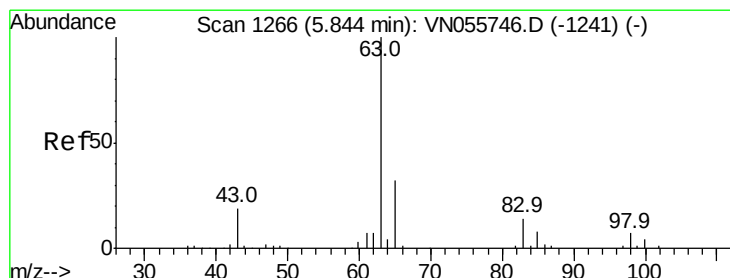
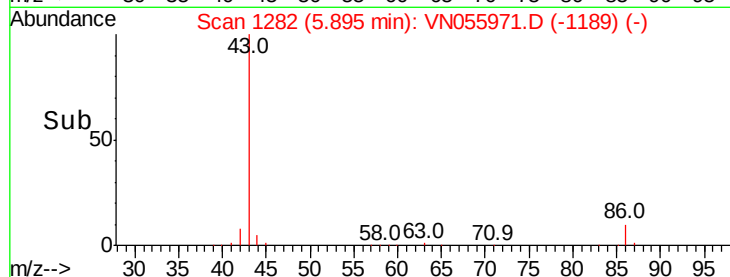
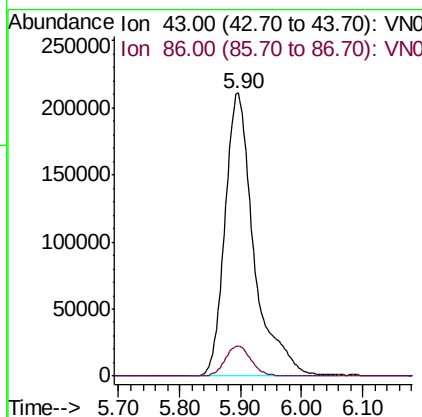
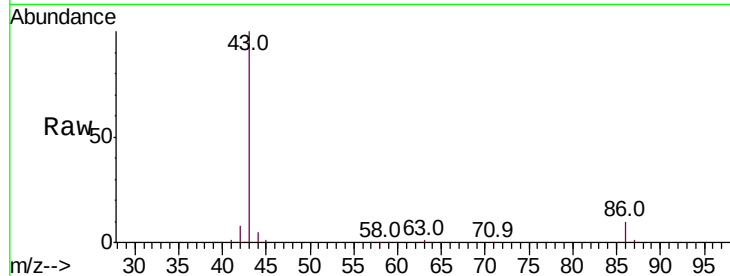
86 10.5 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 20.496 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

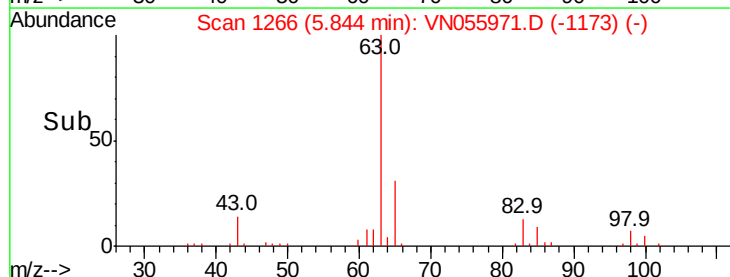
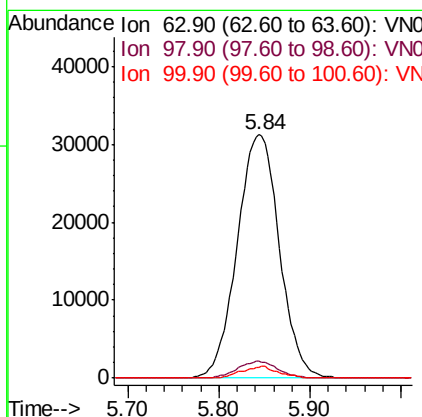
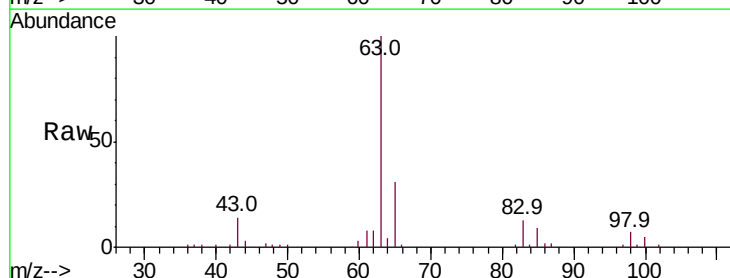
Tgt Ion: 63 Resp: 100252

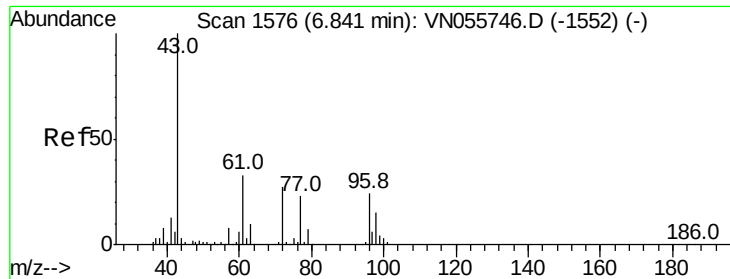
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 103.705 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 43 Resp: 194780

Ion Ratio Lower Upper

43 100

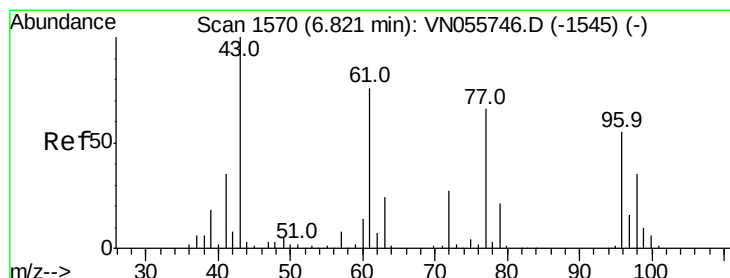
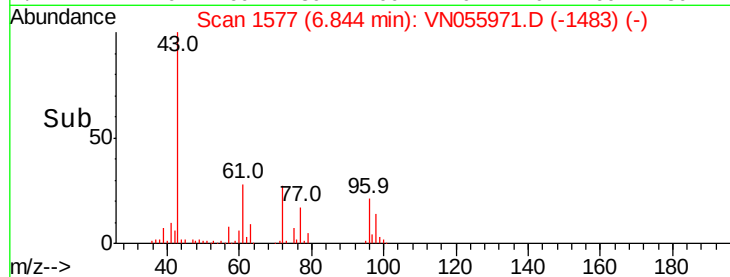
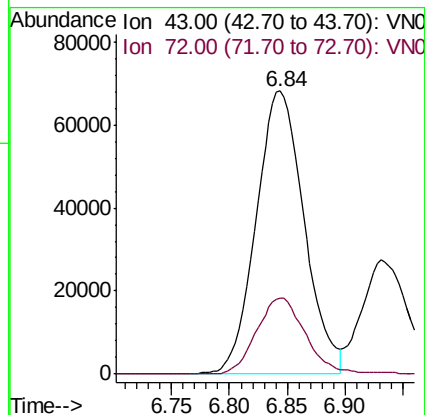
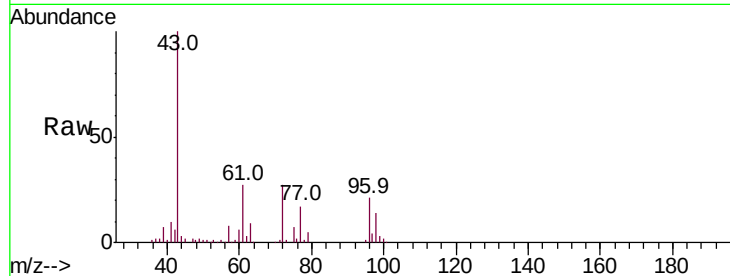
72 27.1 21.9 32.9

Manual Integrations

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6/4/2019 11:24:58 AM



#26

2,2-Dichloropropane

Concen: 15.348 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055971.D

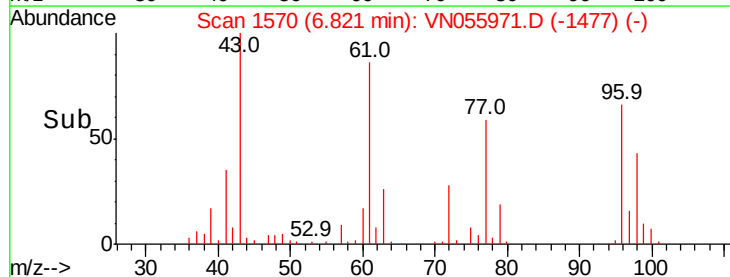
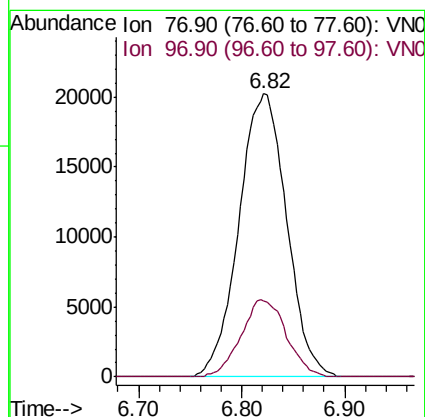
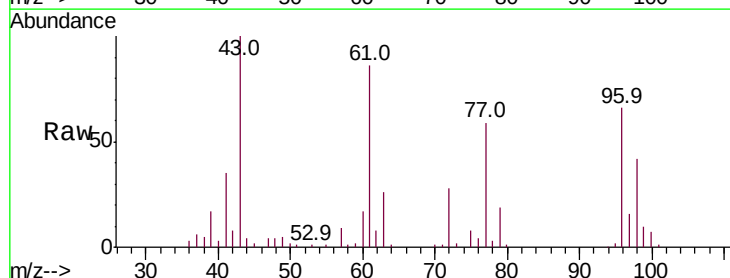
Acq: 3 Jun 2019 19:15

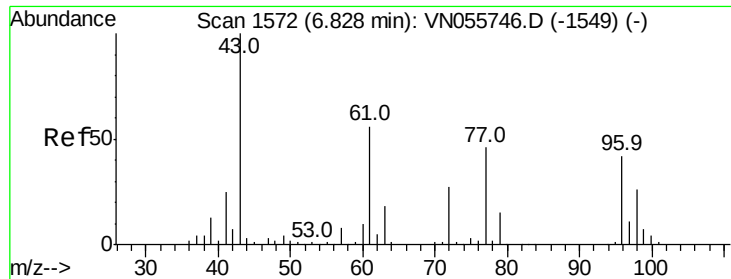
Tgt Ion: 77 Resp: 64971

Ion Ratio Lower Upper

77 100

97 26.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.768 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

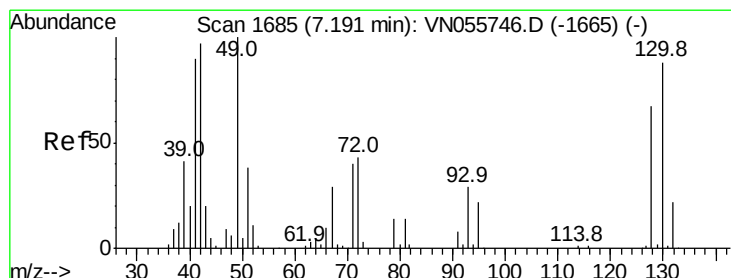
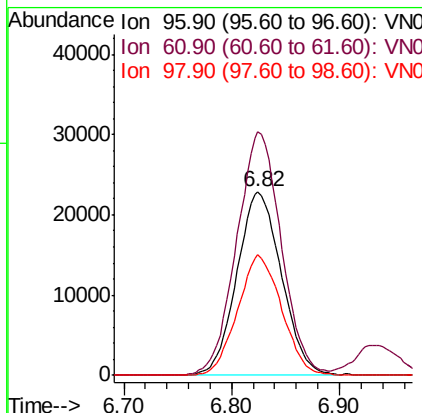
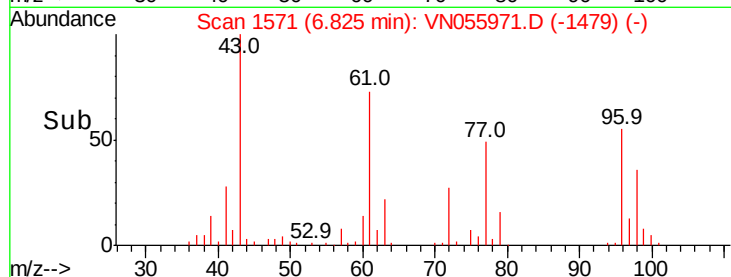
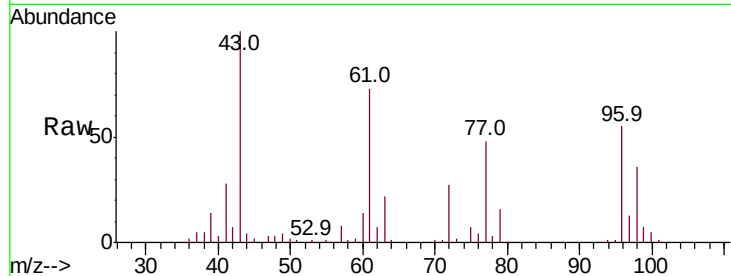
ClientSampleId :

VN0603MBSD01

Tot Ion:	96	Resp:	65586
Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	275.8
98	64.6	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 20.997 ug/l

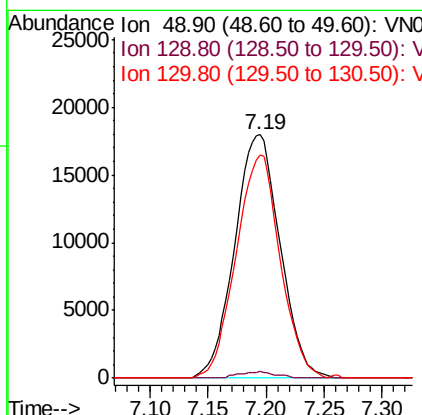
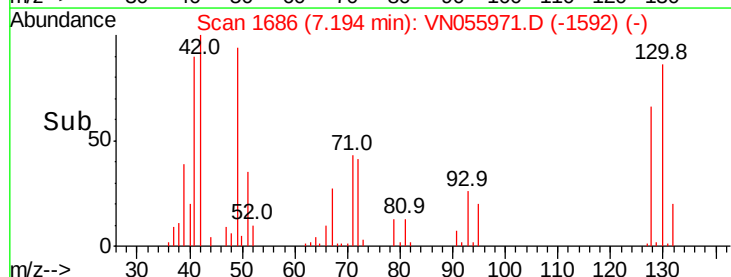
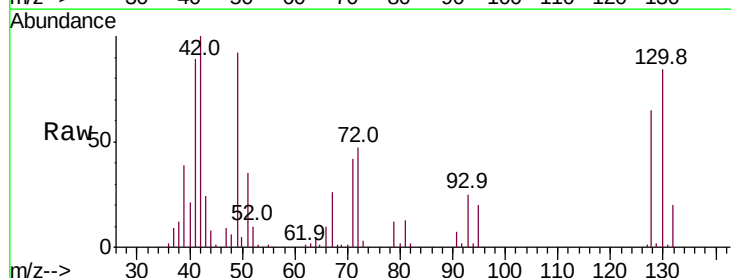
RT: 7.19 min Scan# 1686

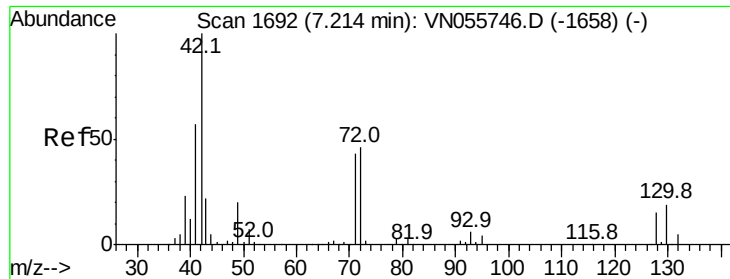
Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion:	49	Resp:	48897
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	88.9	71.2	106.8





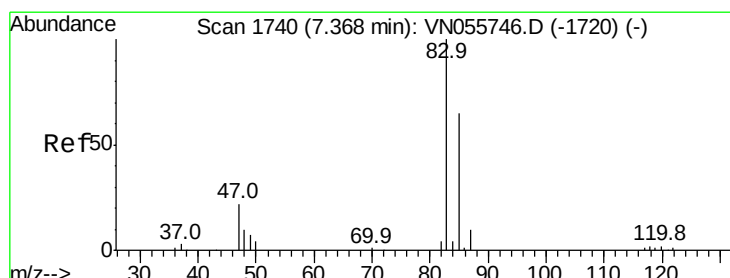
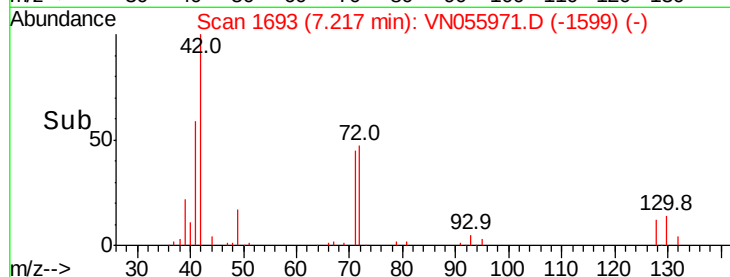
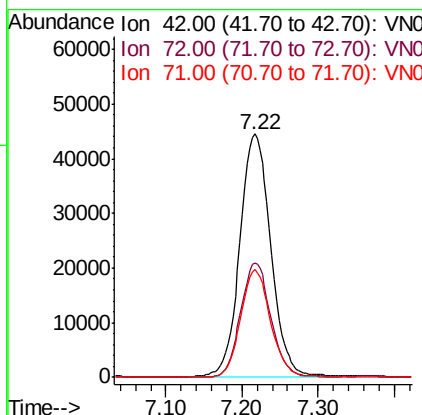
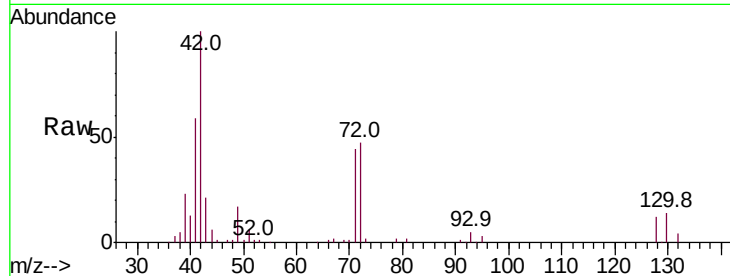
#29
Tetrahydrofuran
Concen: 106.899 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.9	53.9
71	42.2	34.0	51.0

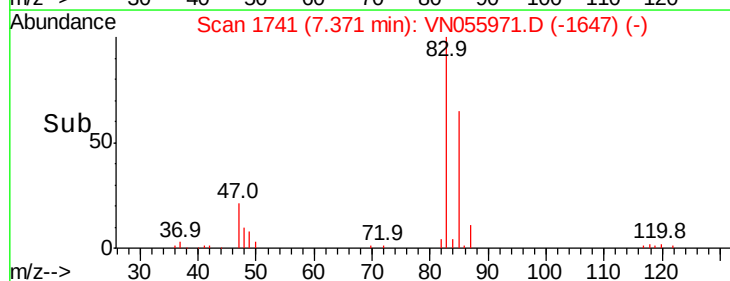
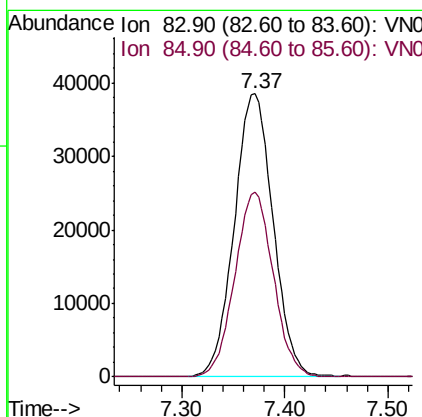
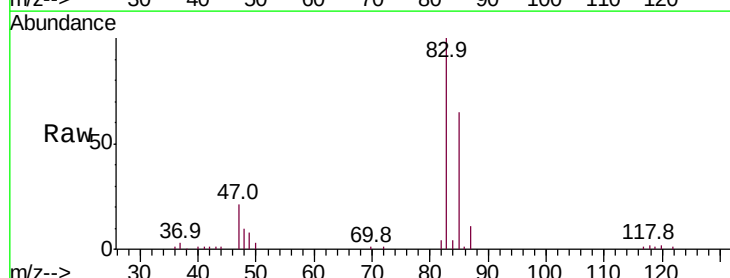
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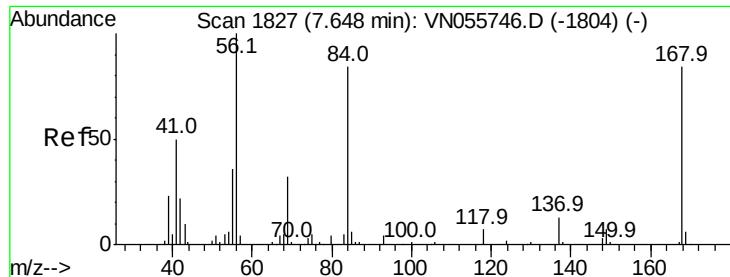
MMDadoda
6/4/2019 11:24:58 AM



#30
Chloroform
Concen: 20.719 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





#31

Cyclohexane

Concen: 19.117 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 56 Resp: 87789

Ion Ratio Lower Upper

56 100

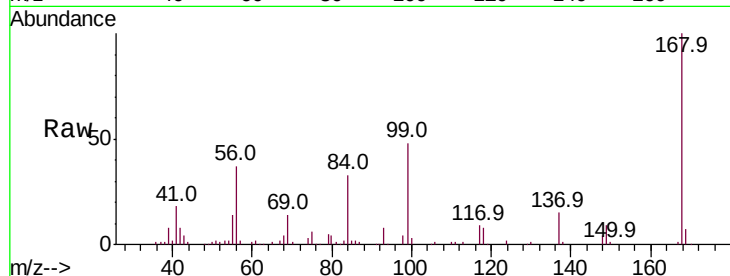
69 37.4 25.6 38.4

84 86.9 67.4 101.0

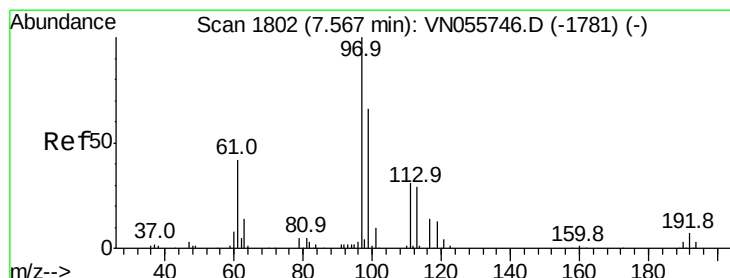
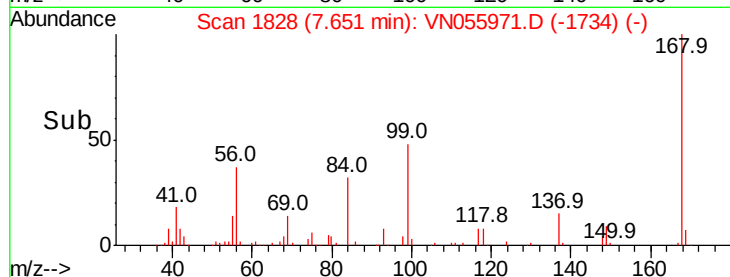
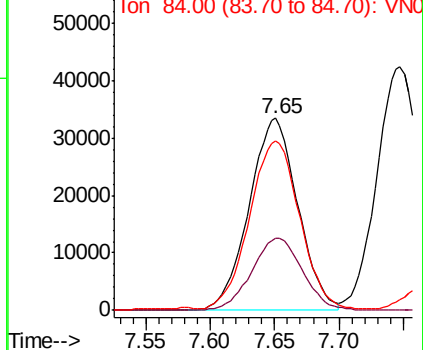
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.047 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

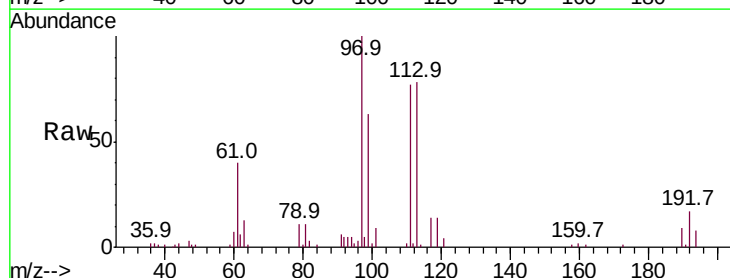
Tgt Ion: 97 Resp: 82909

Ion Ratio Lower Upper

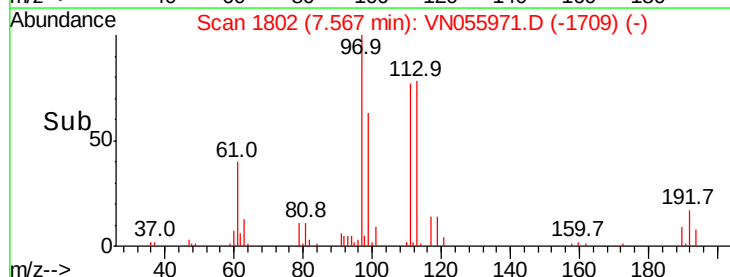
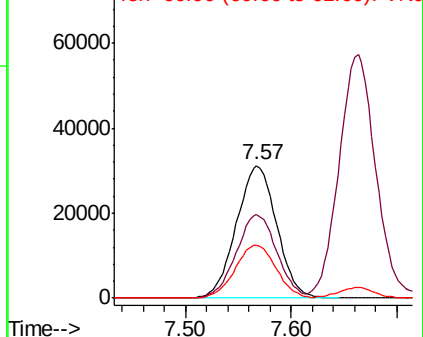
97 100

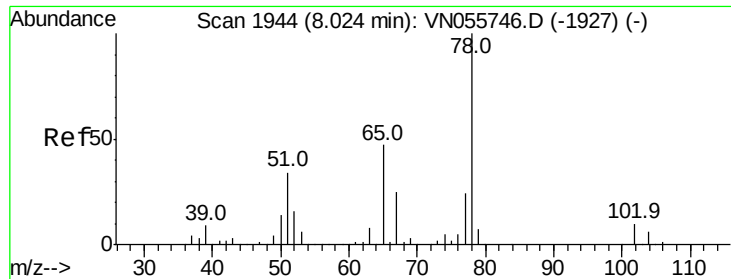
99 63.3 52.0 78.0

61 40.5 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





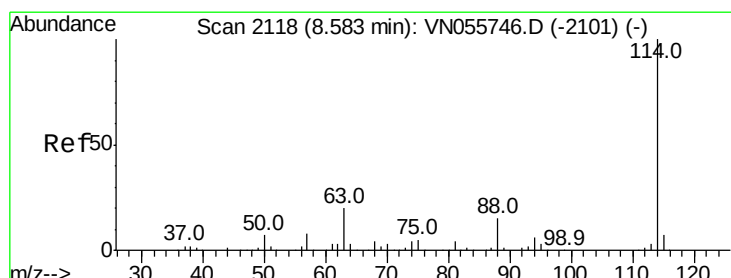
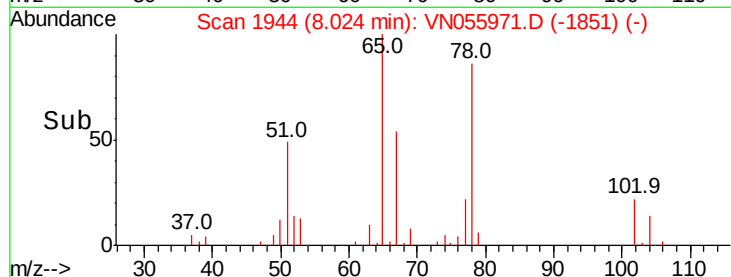
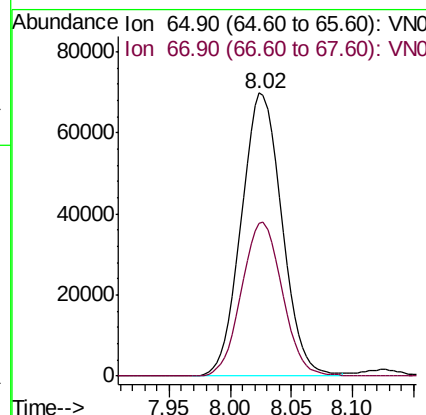
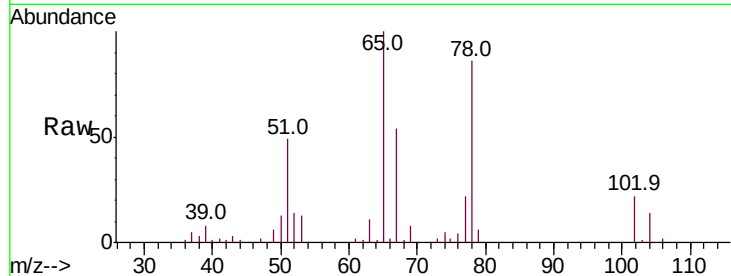
#33
 1,2-Dichloroethane-d4
 Concen: 52.671 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	161145		
67	54.6	0.0	109.2	

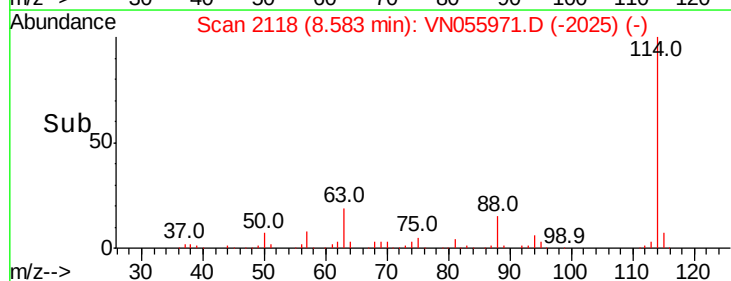
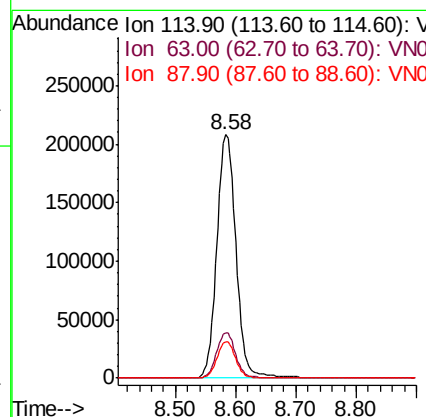
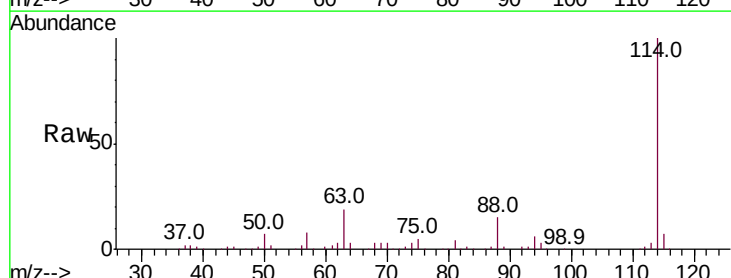
Manual Integrations
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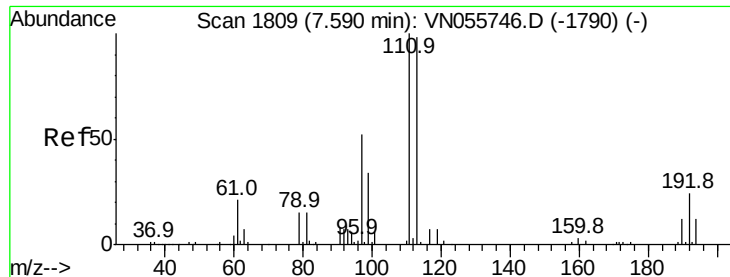
MMDadoda
 6/4/2019 11:24:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	452048		
63	18.6	0.0	39.2	
88	15.0	0.0	31.0	





#35

Dibromofluoromethane

Concen: 49.252 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

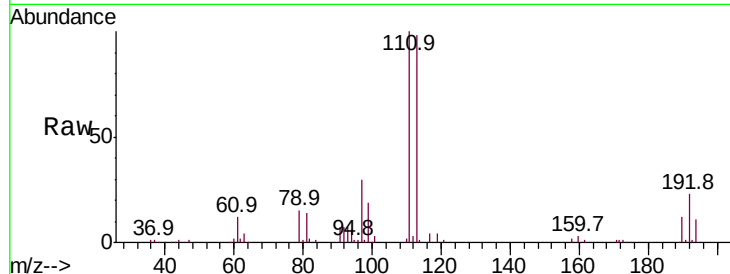
ClientSampleId :

VN0603MBSD01

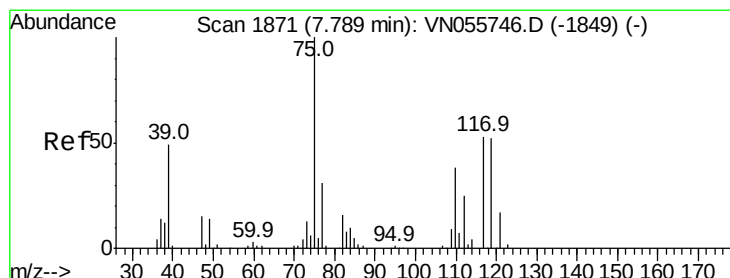
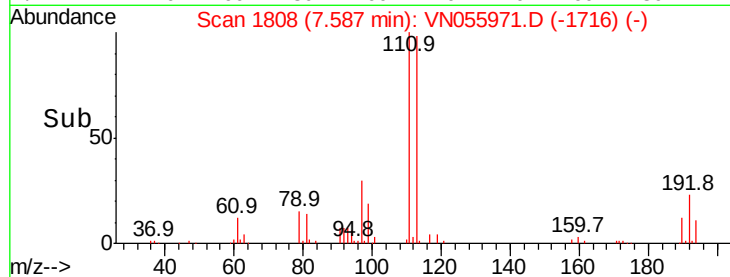
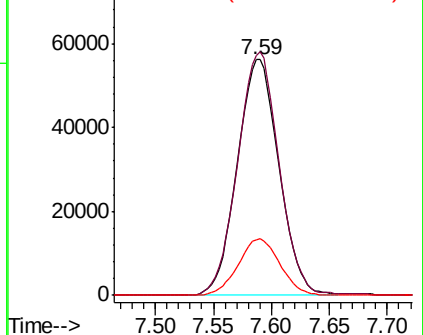
Tot Ion:	113	Resp:	140762
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.9	122.9
192	24.0	19.5	29.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.015 ug/l

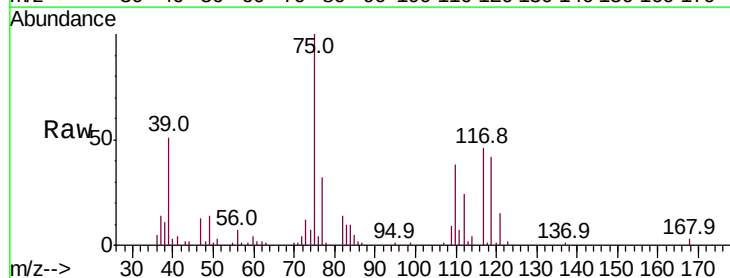
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

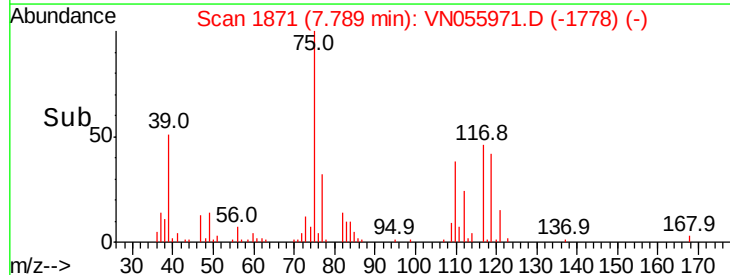
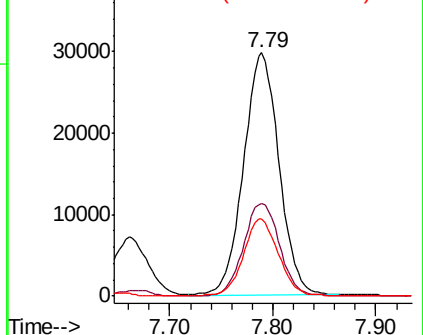
Lab File: VN055971.D

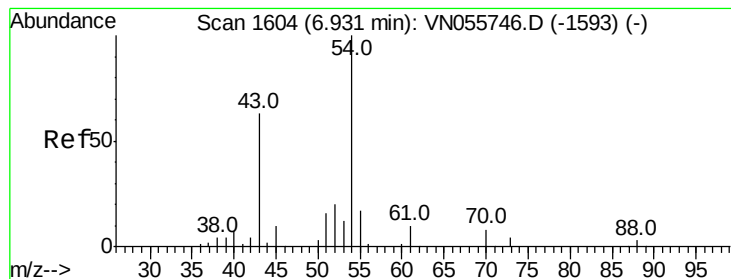
Acq: 3 Jun 2019 19:15

Tgt Ion:	75	Resp:	70970
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.0	57.0
77	31.6	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 19.761 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

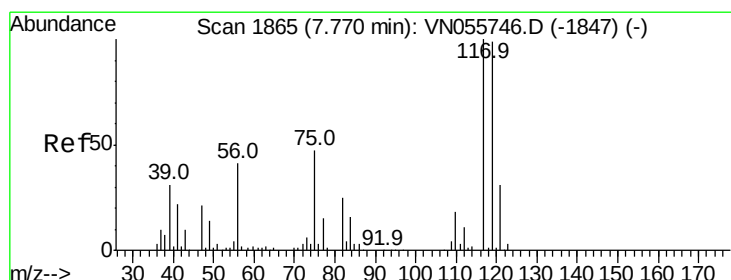
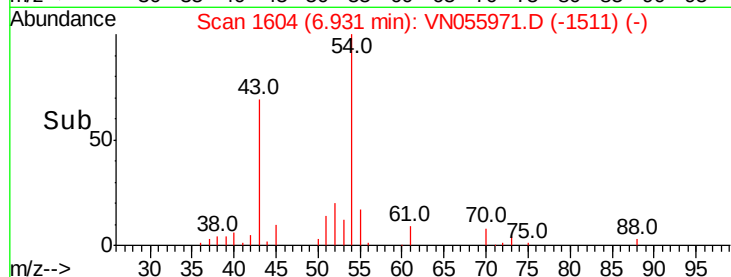
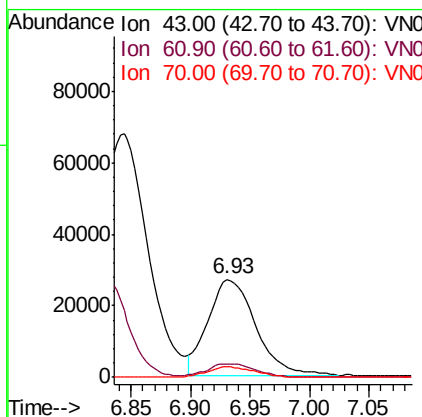
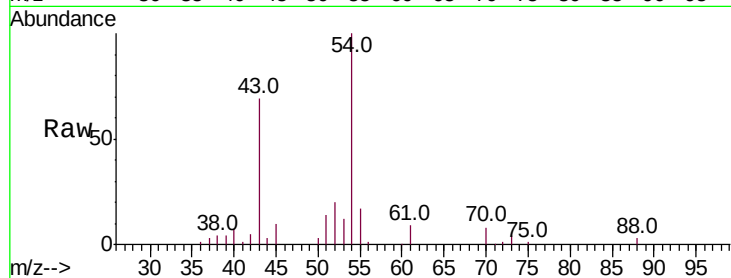
ClientSampleId :

VN0603MBSD01

Tot Ion:	43	Resp:	75240
Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.2
70	10.9	8.9	13.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 16.290 ug/l

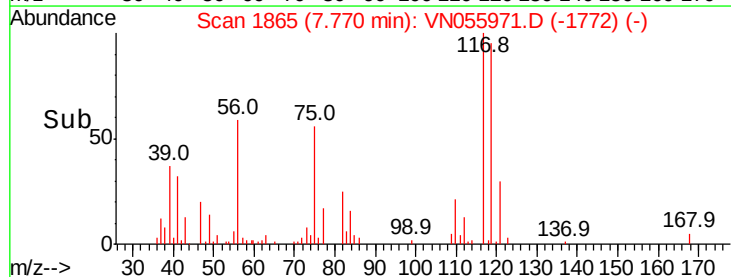
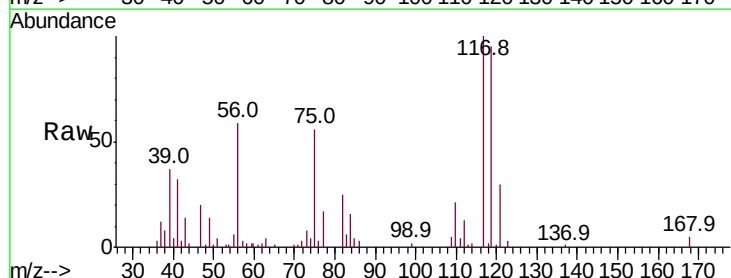
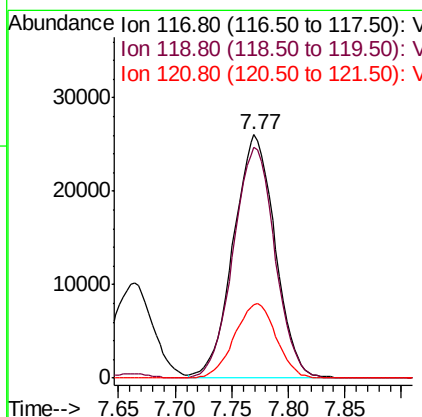
RT: 7.77 min Scan# 1865

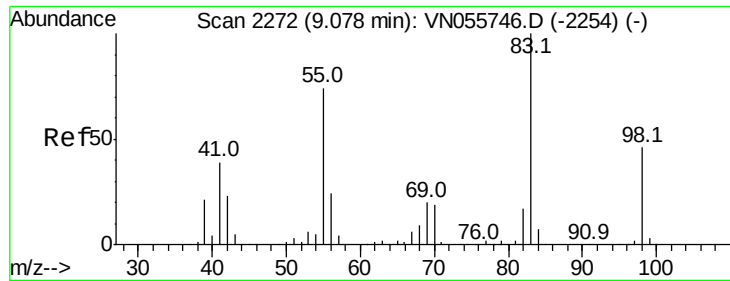
Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion:	117	Resp:	66843
Ion	Ratio	Lower	Upper
117	100		
119	94.6	79.0	118.6
121	30.3	24.7	37.1





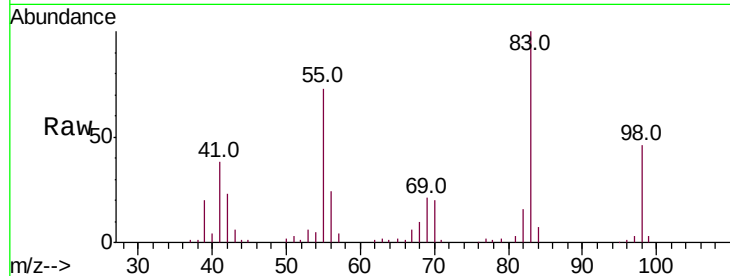
#39
Methylvlcyclohexane
Concen: 17.194 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion	83	Resp	83875
Ion Ratio	100	Lower	Upper
83	100		
55	73.2	59.3	88.9
98	46.5	36.6	54.8

Manual Integrations
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MMDadoda
6/4/2019 11:24:58 AM

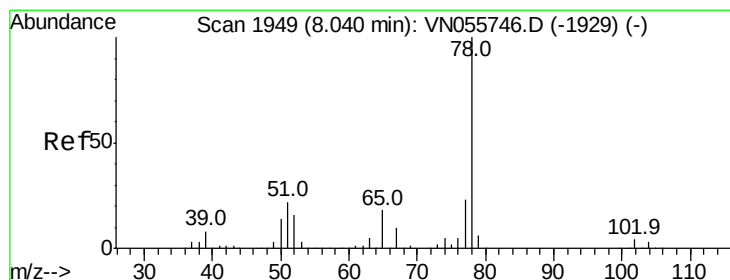
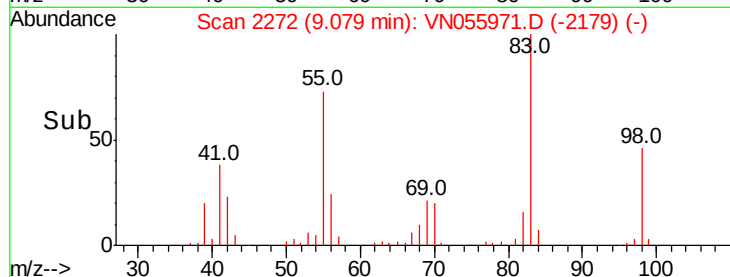
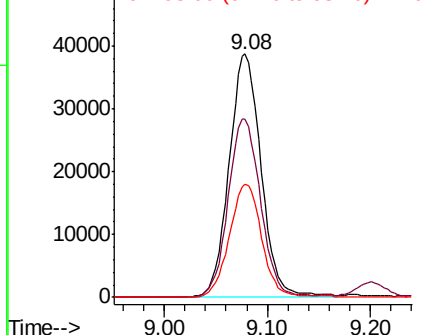


Abundance

Ion 83.00 (82.70 to 83.70): VN0

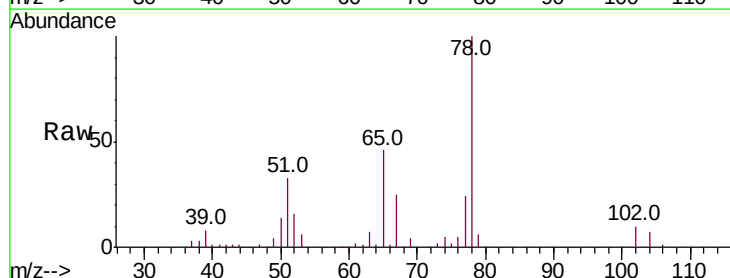
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.532 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

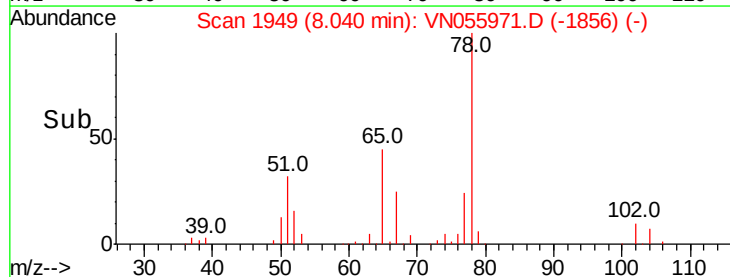
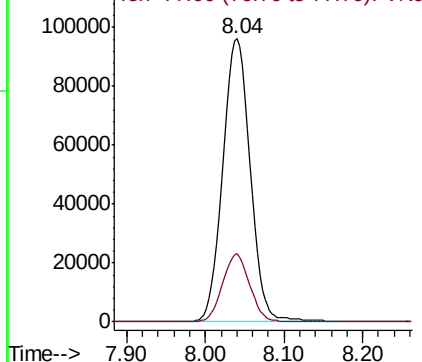
Tgt Ion	78	Resp	231900
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.8	28.2

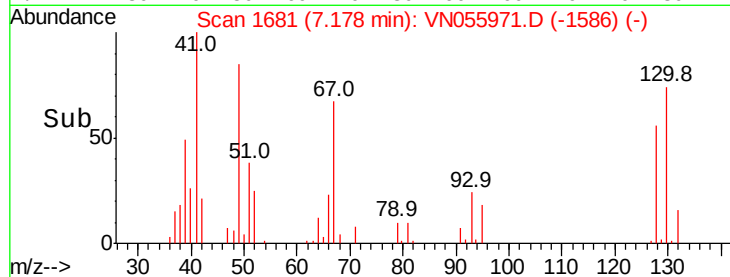
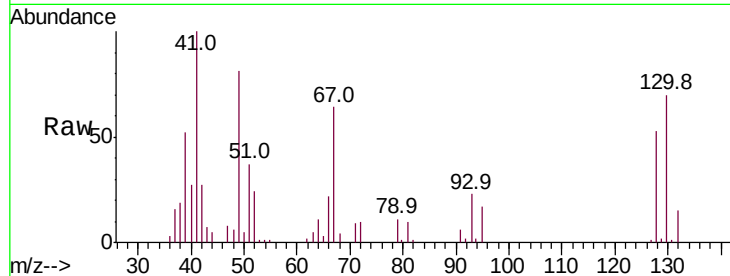
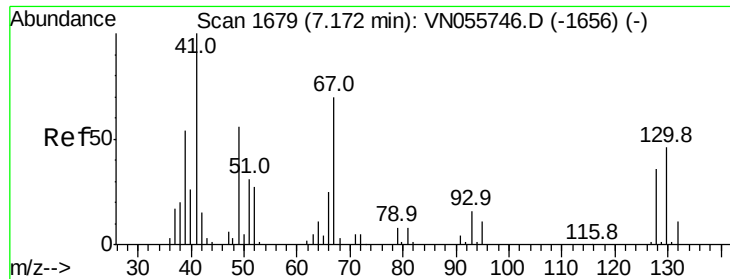


Abundance

Ion 78.00 (77.70 to 78.70): VN0

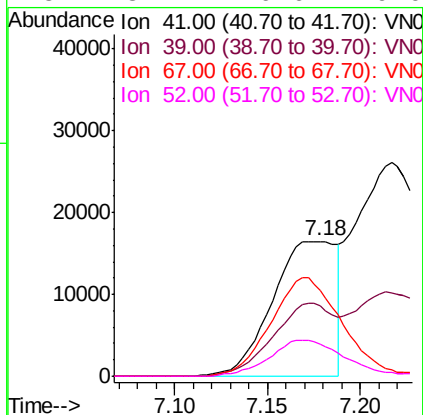
Ion 77.00 (76.70 to 77.70): VN0





#41
Methacrylonitrile
Concen: 20.626 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

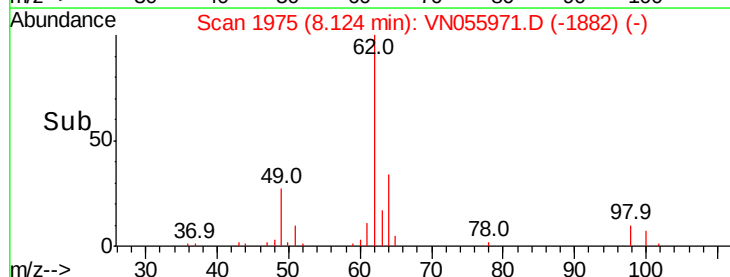
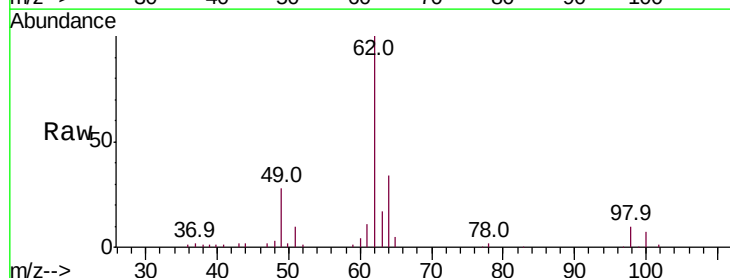
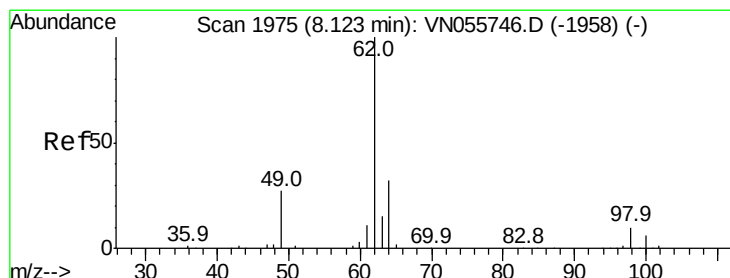
Tot Ion	Ratio	Lower	Upper
41	100		
39	51.4	45.6	68.4
67	81.5	67.7	101.5
52	31.4	26.6	40.0



Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

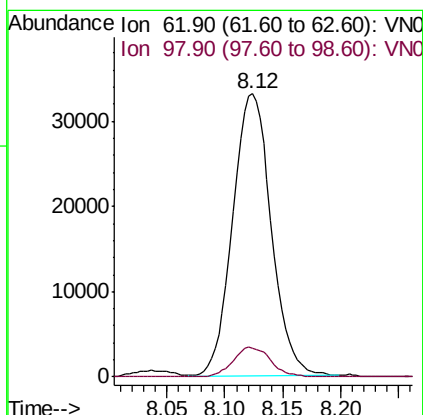
Manual Integrations
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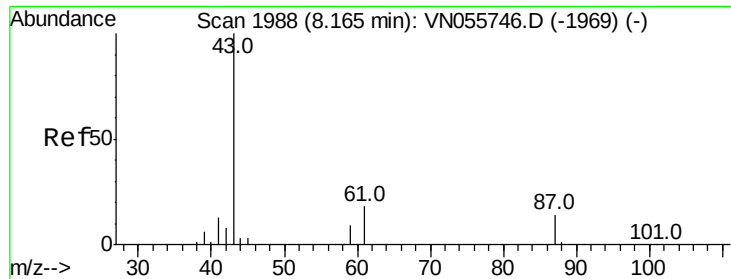
MMDadoda
6/4/2019 11:24:58 AM



#42
1,2-Dichloroethane
Concen: 19.700 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.250 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

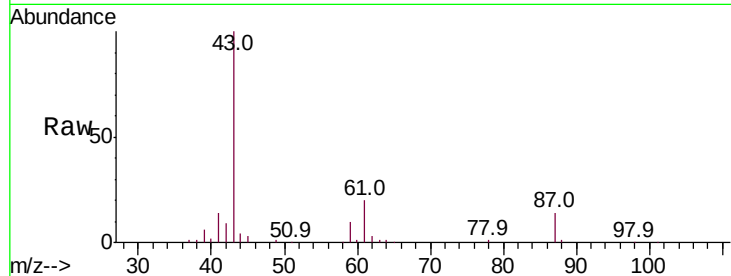
ClientSampled :

VN0603MBSD01

Tot Ion:	43	Resp:	123147
Ion Ratio		Lower	Upper
43	100		
61	21.3	22.2	33.4#
87	14.1	11.4	17.2

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Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

8.17

60000

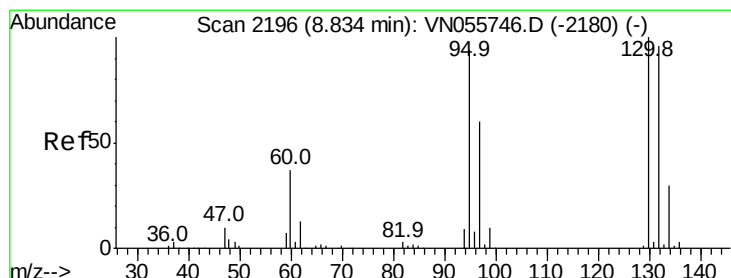
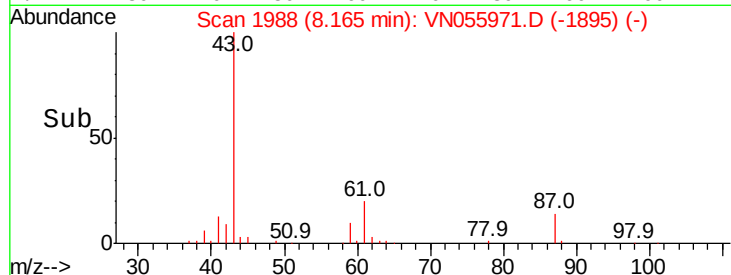
40000

20000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.781 ug/l

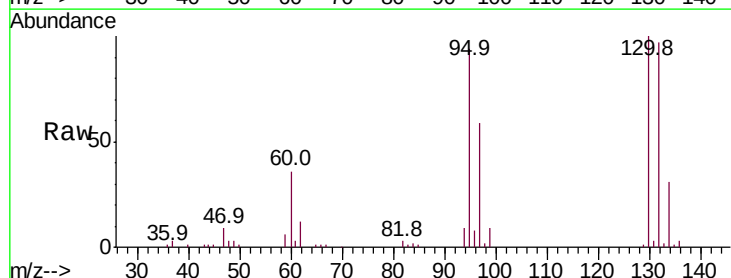
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion:	130	Resp:	65472
Ion Ratio		Lower	Upper
130	100		
95	94.2	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

8.83

30000

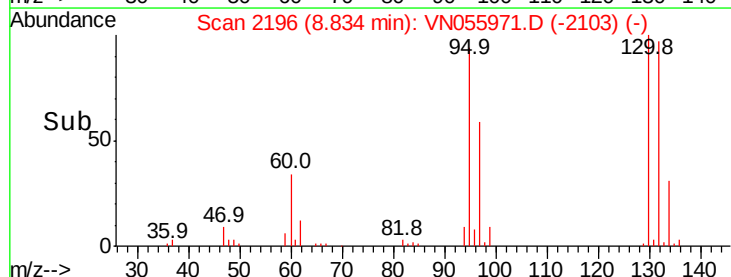
20000

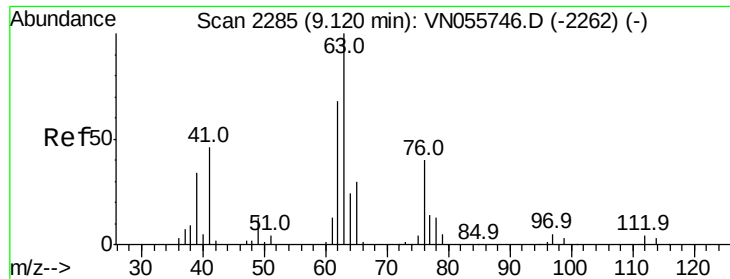
10000

0

8.75 8.80 8.85 8.90 8.95

Time-->





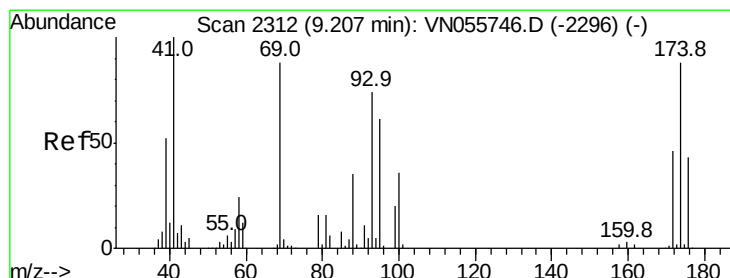
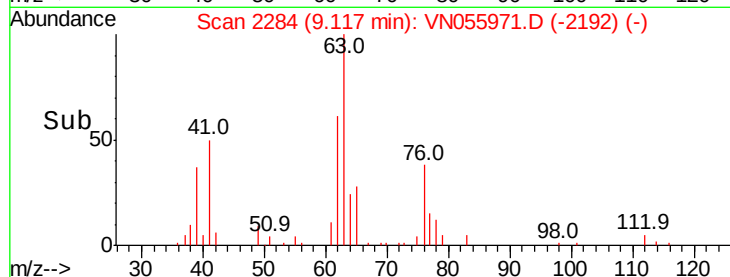
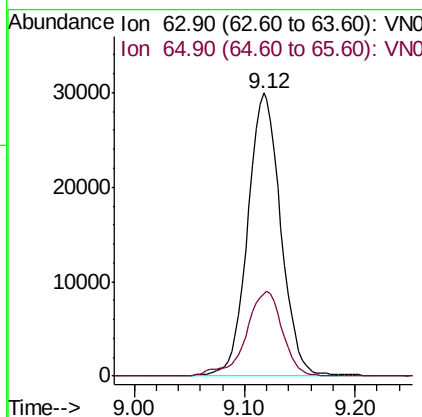
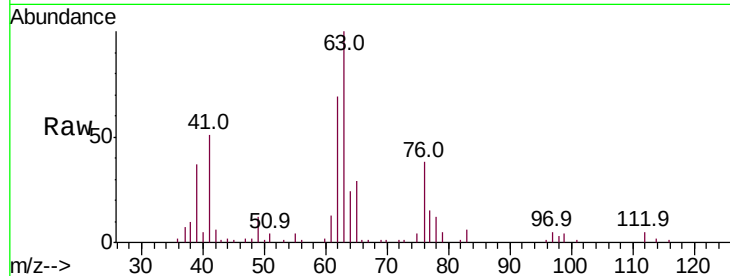
#45
 1,2-Dichloropropane
 Concen: 20.049 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603MBS01

Tot Ion: 63 Resp: 62017
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.6 36.8

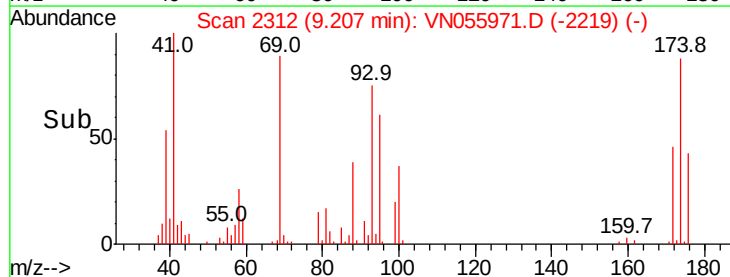
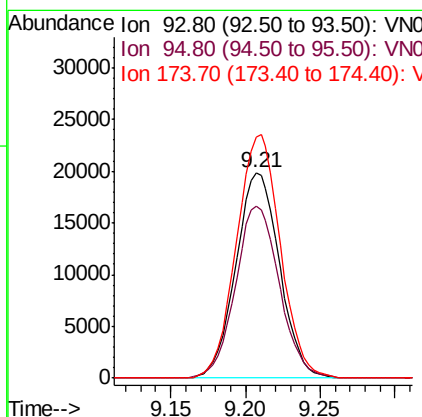
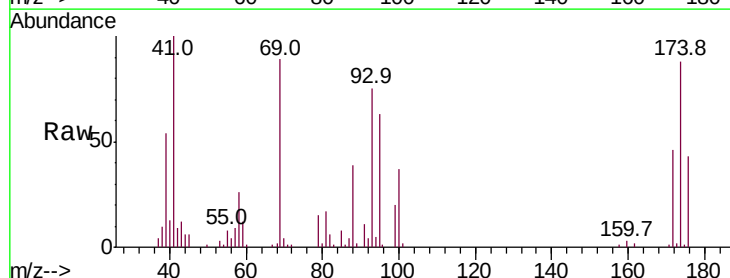
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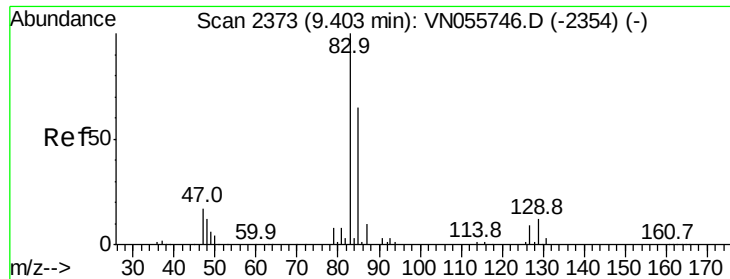
MMDadoda
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#46
 Dibromomethane
 Concen: 19.855 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion: 93 Resp: 40279
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 119.2 96.4 144.6





#47

Bromodichloromethane

Concen: 17.035 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

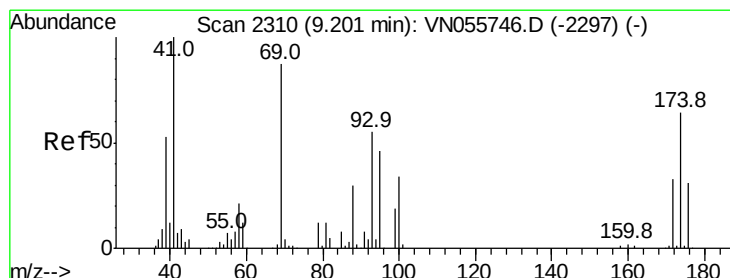
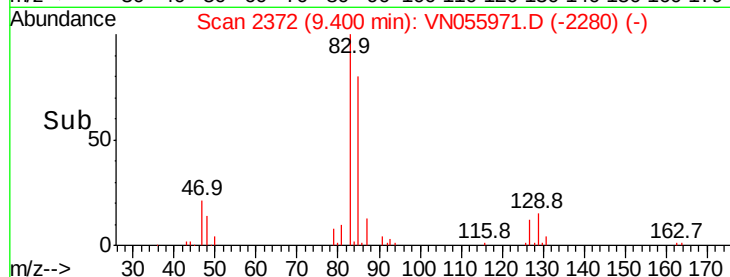
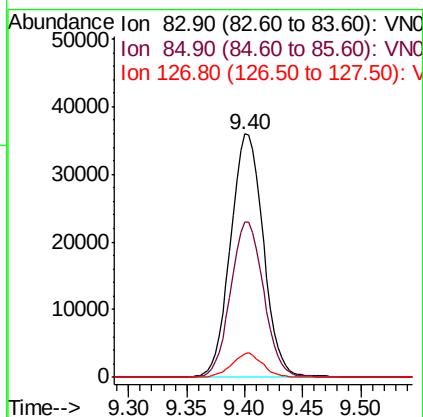
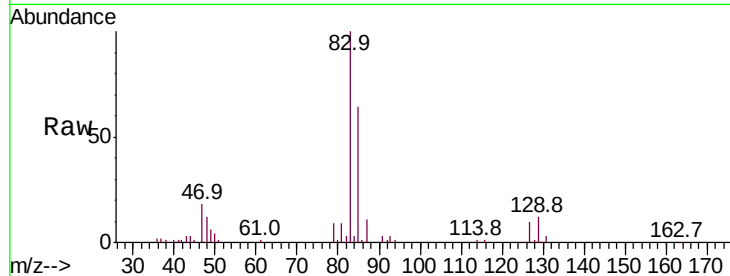
ClientSampleId :

VN0603MBSD01

Tot Ion:	83	Resp:	70862
Ion Ratio	Lower	Upper	
83	100		
85	63.8	52.2	78.2
127	9.8	7.4	11.0

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#48

Methyl methacrylate

Concen: 20.052 ug/l

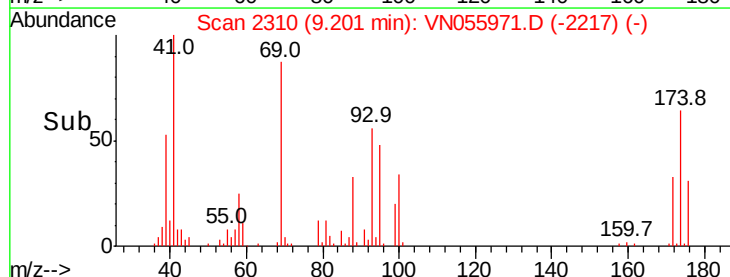
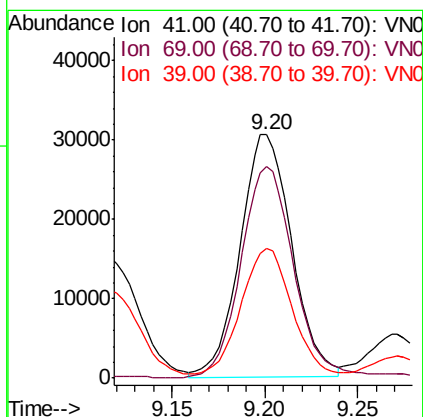
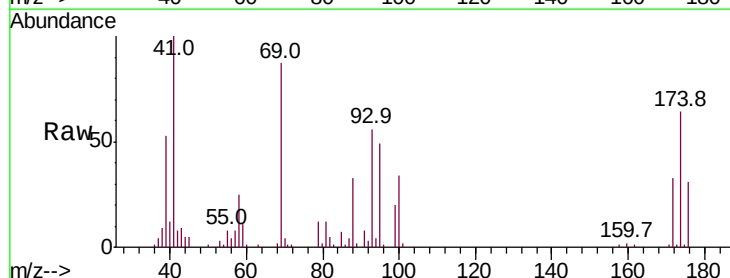
RT: 9.20 min Scan# 2310

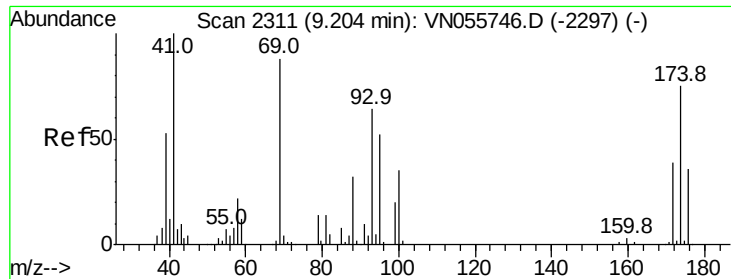
Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion:	41	Resp:	59118
Ion Ratio	Lower	Upper	
41	100		
69	91.1	71.0	106.6
39	54.2	44.2	66.2





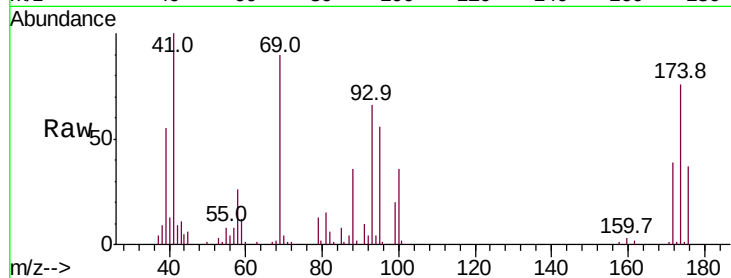
#49
 1,4-Dioxane
 Concen: 433.766 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603MBSD01

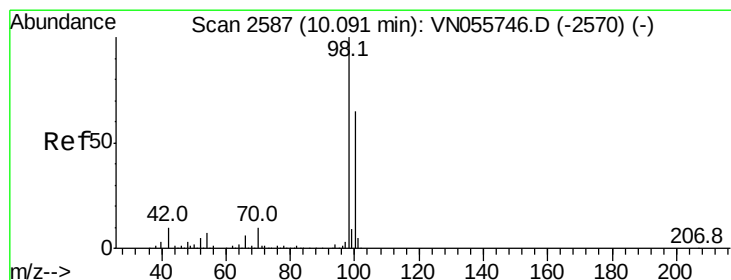
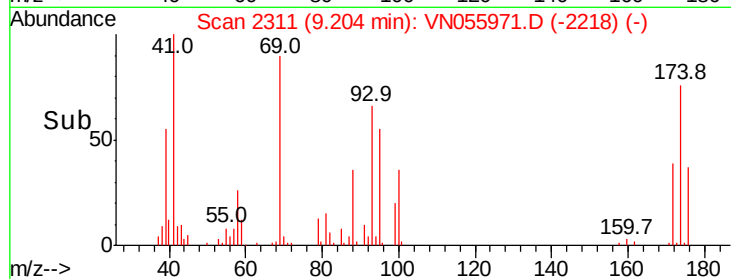
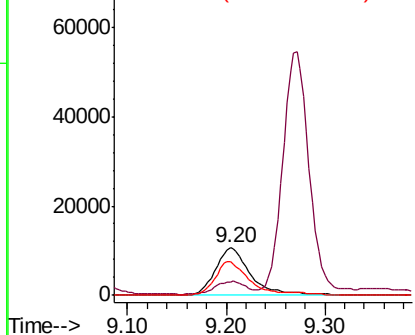
Tot Ion	88	Resp	26576
Ion	Ratio	Lower	Upper
88	100		
43	24.1	20.5	30.7
58	65.8	55.8	83.6

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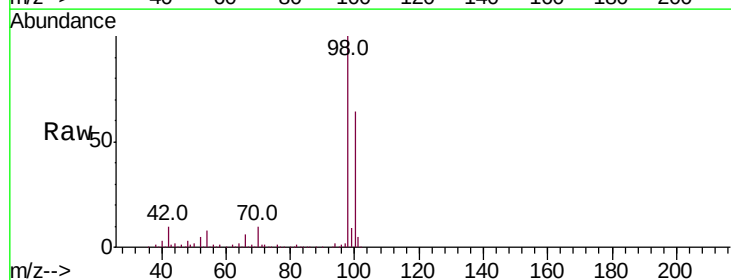


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

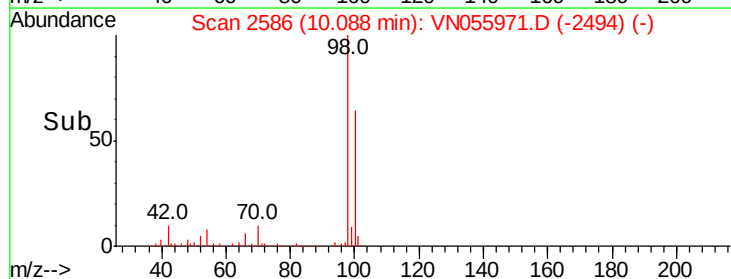
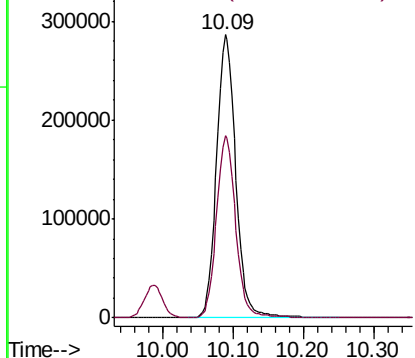


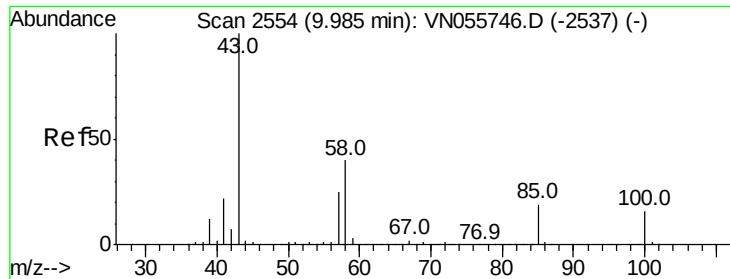
#50
 Toluene-d8
 Concen: 49.525 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion	98	Resp	542945
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





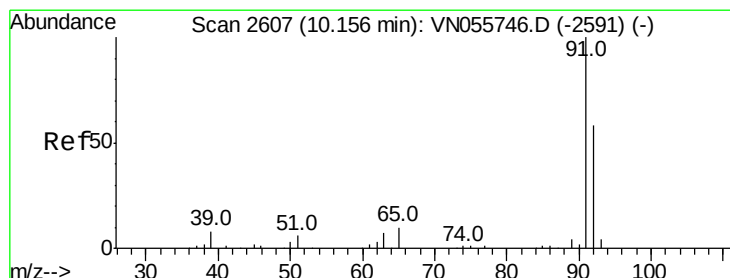
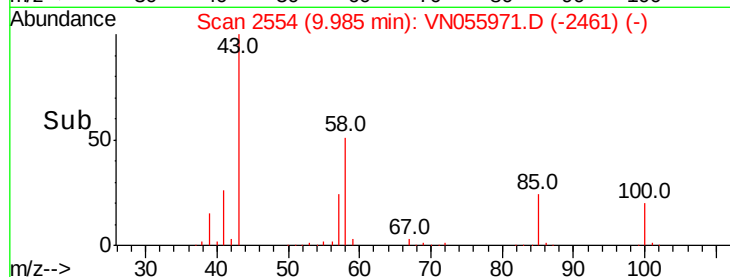
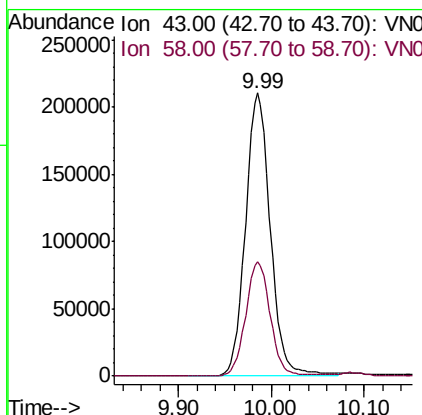
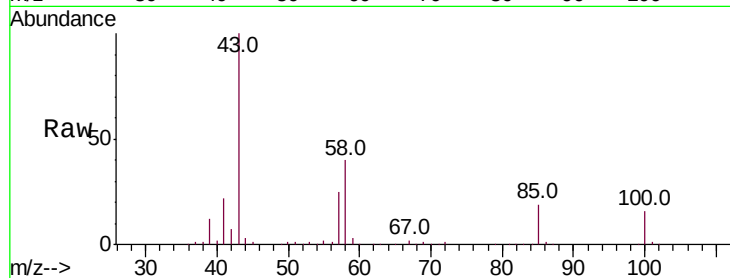
#51
4-Methyl-2-Pentanone
Concen: 103.371 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion: 43 Resp: 390554
Ion Ratio Lower Upper
43 100
58 40.2 32.1 48.1

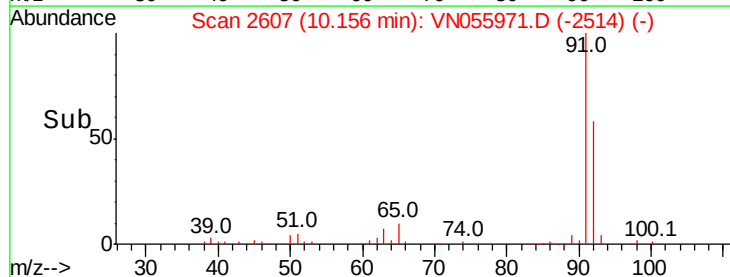
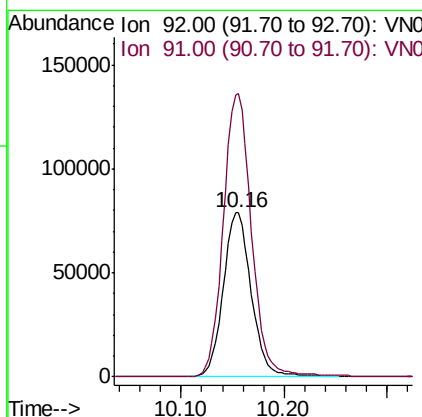
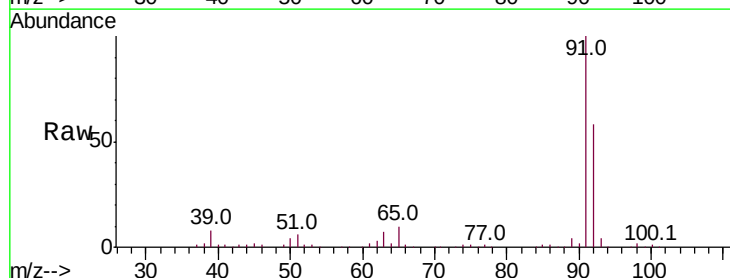
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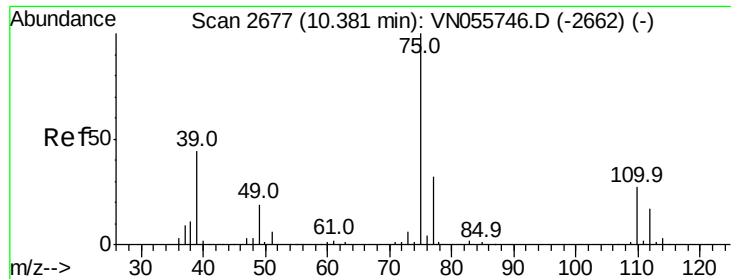
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#52
Toluene
Concen: 20.074 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion: 92 Resp: 149891
Ion Ratio Lower Upper
92 100
91 174.3 139.4 209.2





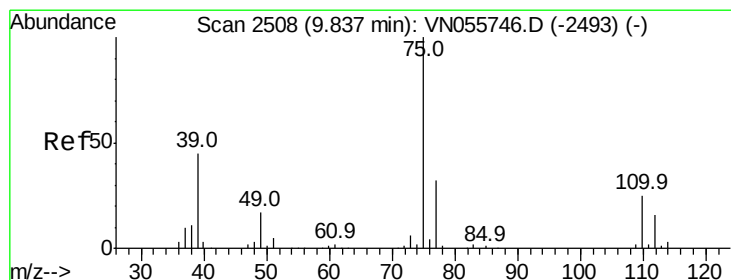
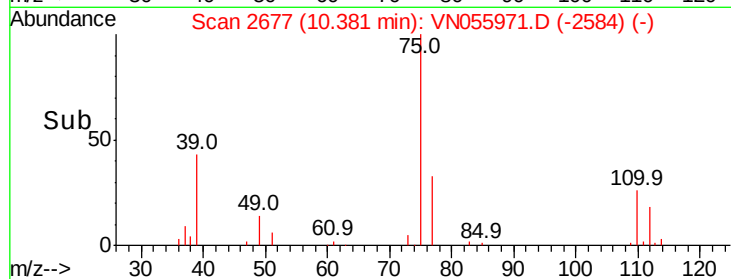
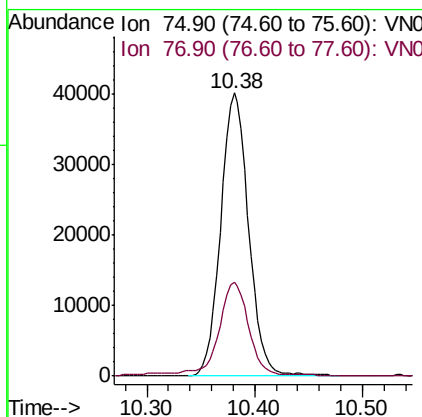
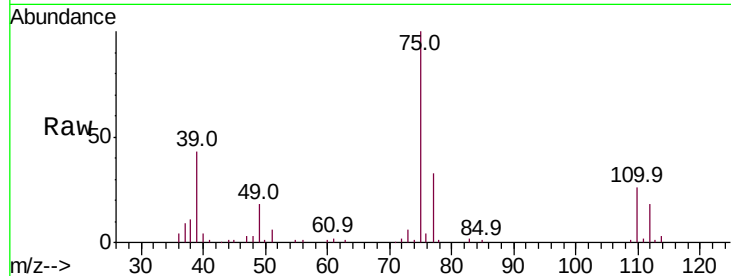
#53
t-1,3-Dichloropropene
Concen: 16.303 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion: 75 Resp: 72391
Ion Ratio Lower Upper
75 100
77 33.4 25.8 38.6

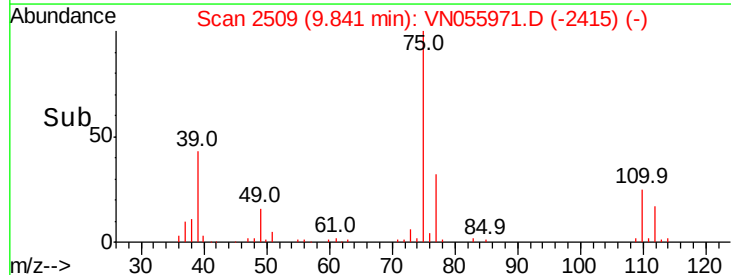
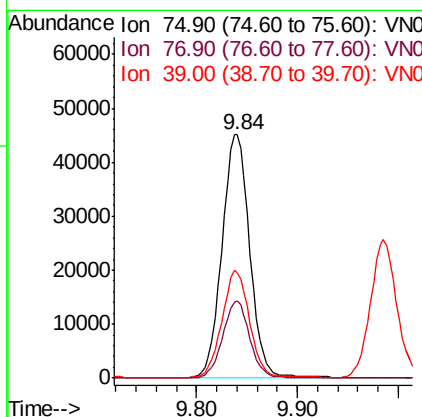
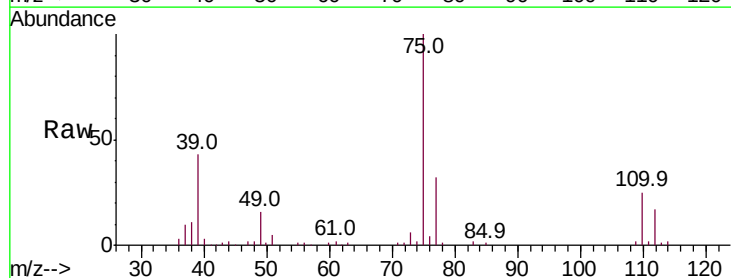
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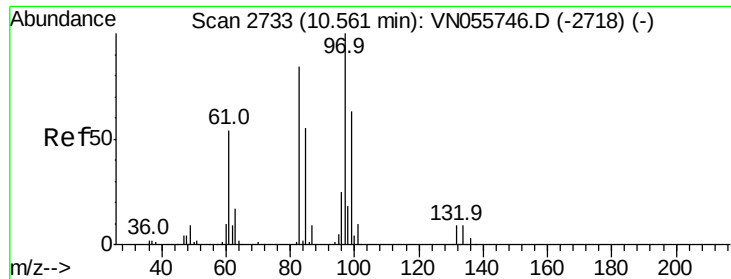
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#54
cis-1,3-Dichloropropene
Concen: 17.618 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion: 75 Resp: 86664
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 43.1 36.3 54.5





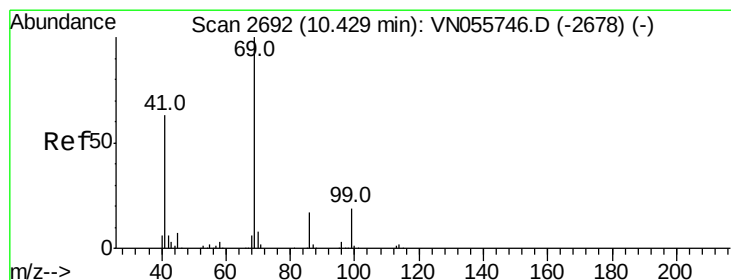
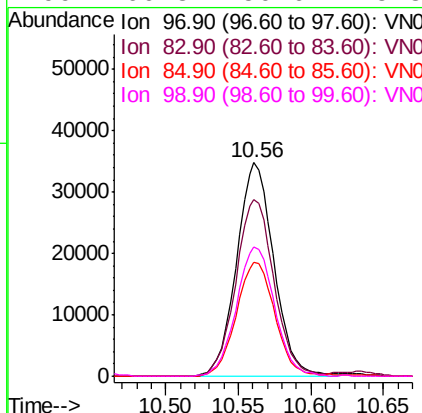
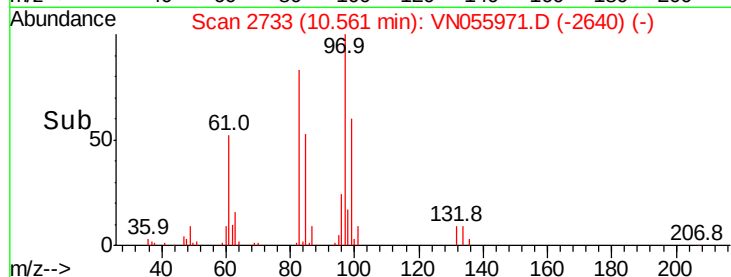
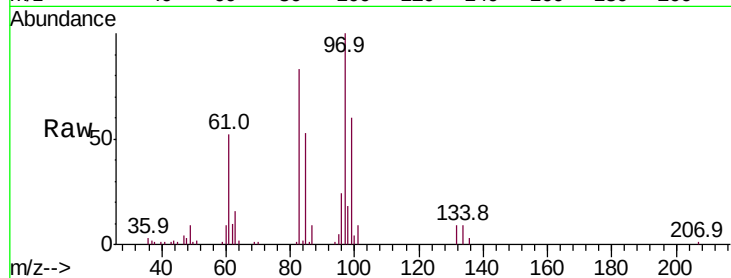
#55
 1,1,2-Trichloroethane
 Concen: 20.754 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603MBS01

Tot Ion:	97	Resp:	62083
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.0	100.6
85	53.4	44.0	66.0
99	60.3	50.6	75.8

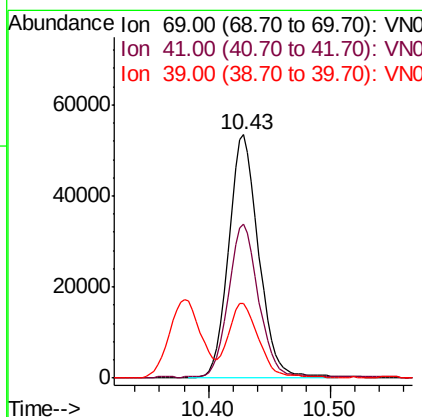
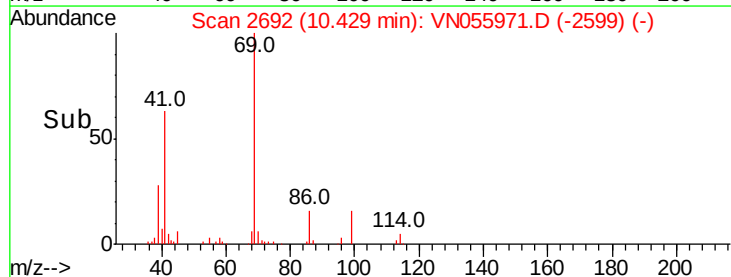
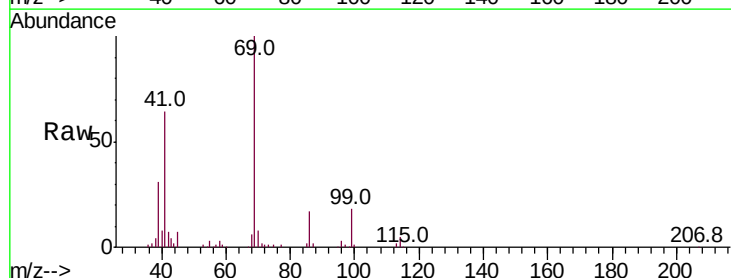
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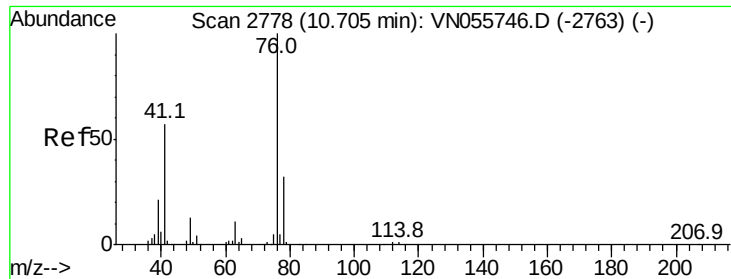
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.876 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion:	69	Resp:	91891
Ion	Ratio	Lower	Upper
69	100		
41	62.8	49.7	74.5
39	30.6	24.7	37.1





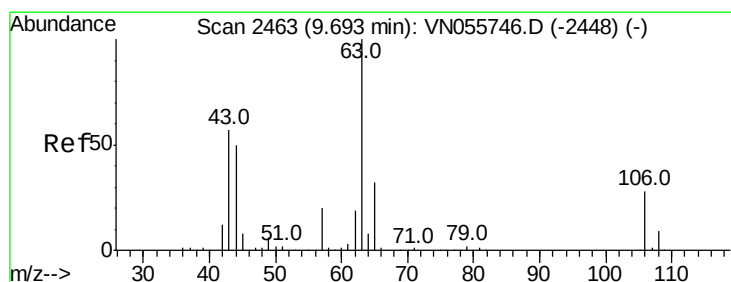
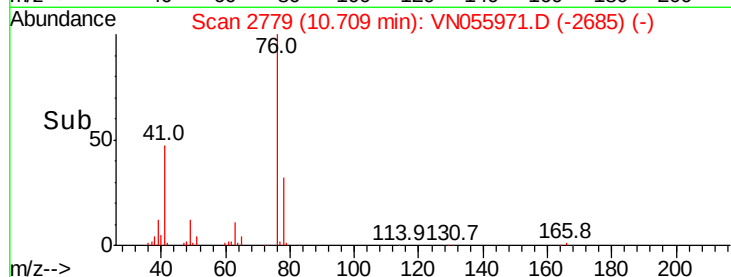
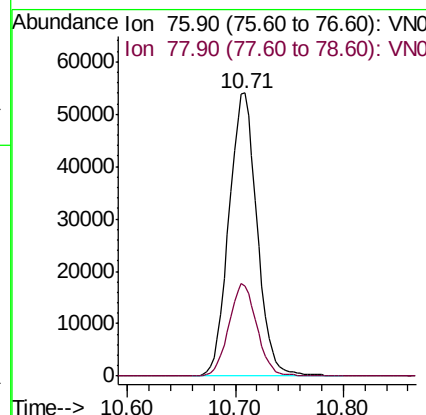
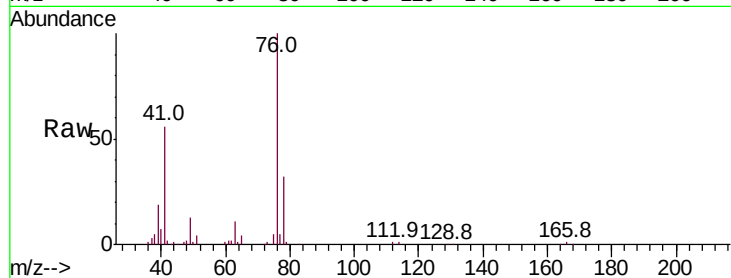
#57
 1,3-Dichloropropane
 Concen: 20.219 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603MBSD01

Tot Ion: 76 Resp: 98311
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

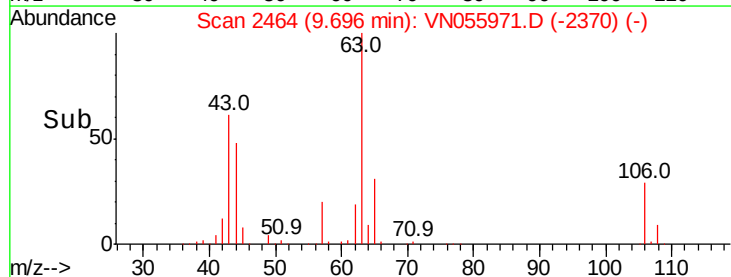
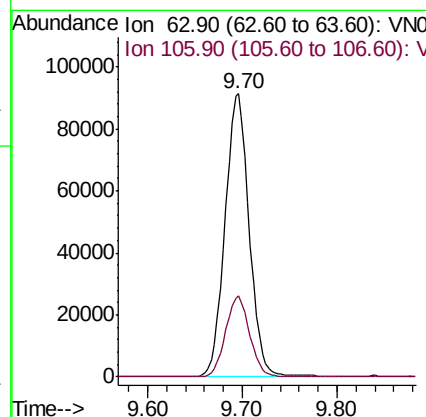
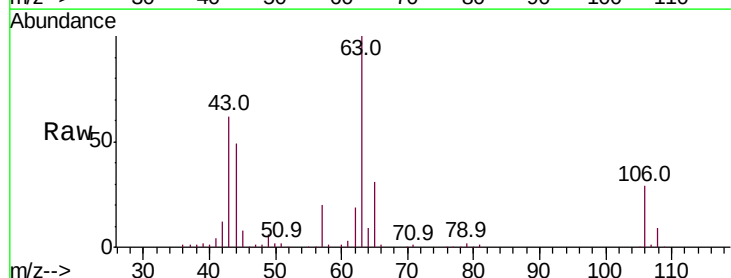
Manual Integrations
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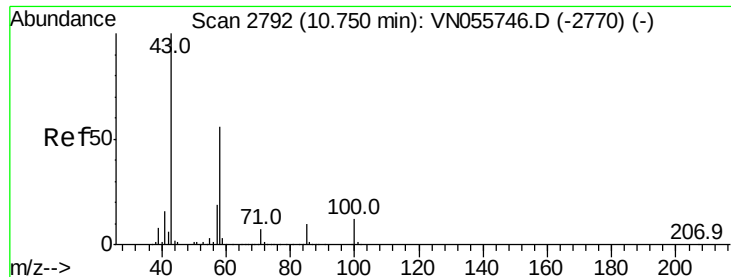
MMDadoda
 6/4/2019 11:24:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.658 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion: 63 Resp: 161938
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.7 34.1





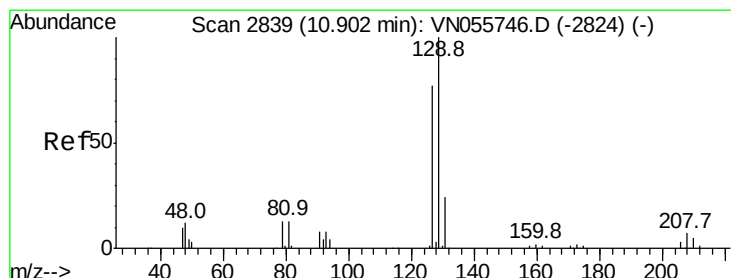
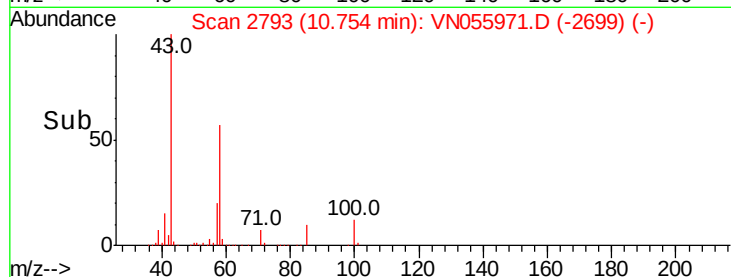
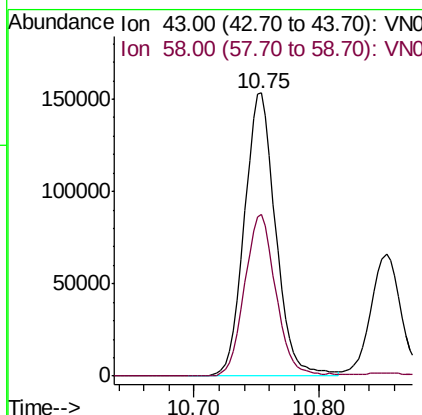
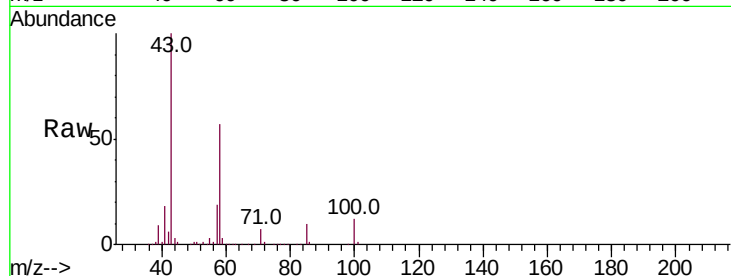
#59
2-Hexanone
Concen: 99.709 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion	43	58	Ratio	100	57.2	Resp	267248	Lower	28.2	Upper	84.7
Ion	43	58	Ratio	100	57.2	Resp	267248	Lower	28.2	Upper	84.7

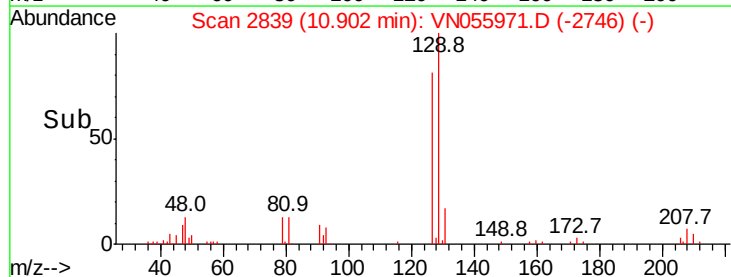
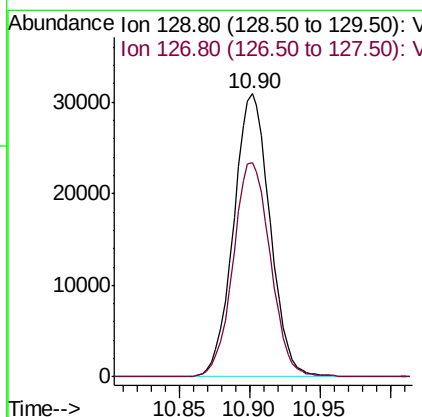
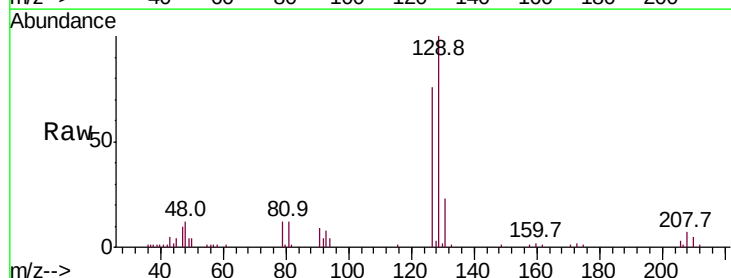
Manual Integrations
APPROVED

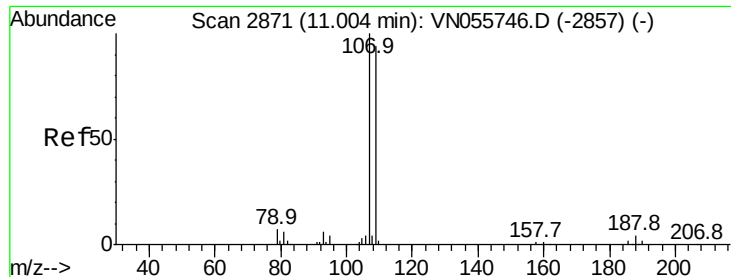
MMDadoda
6/4/2019 11:24:58 AM



#60
Dibromochloromethane
Concen: 16.068 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion	129	127	Ratio	100	77.5	Resp	55995	Lower	38.1	Upper	114.3
Ion	129	127	Ratio	100	77.5	Resp	55995	Lower	38.1	Upper	114.3





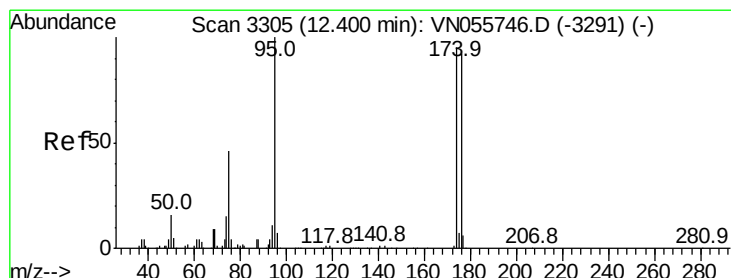
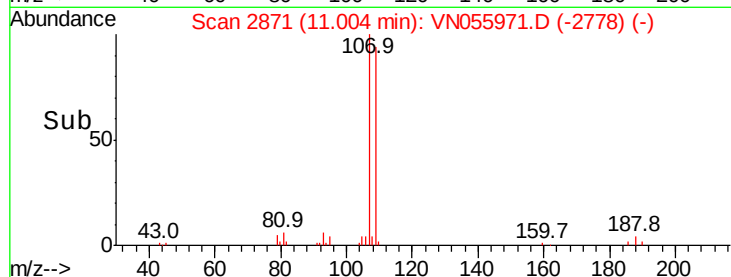
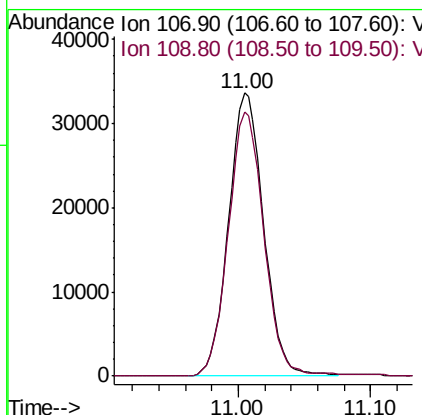
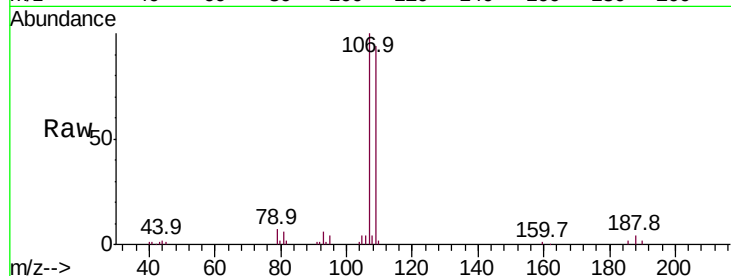
#61
 1,2-Dibromoethane
 Concen: 19.914 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.8	112.2

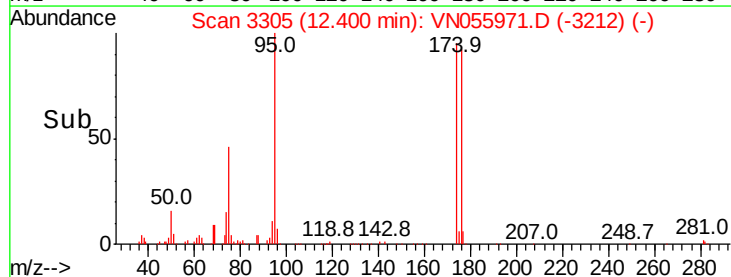
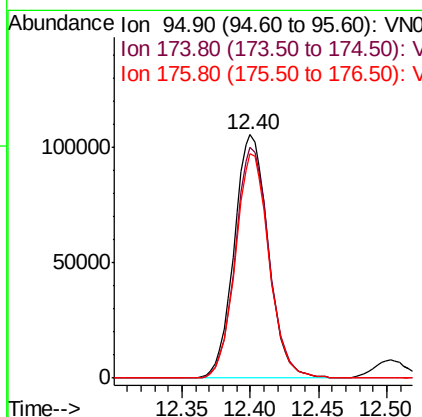
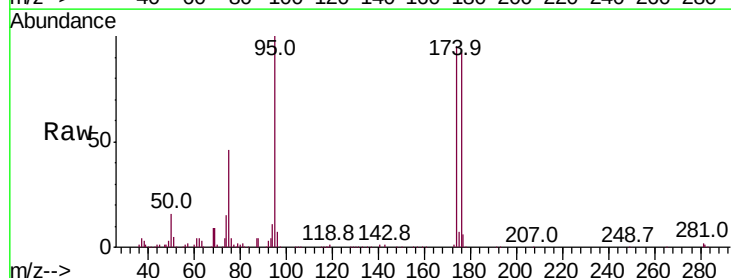
Manual Integrations
 APPROVED

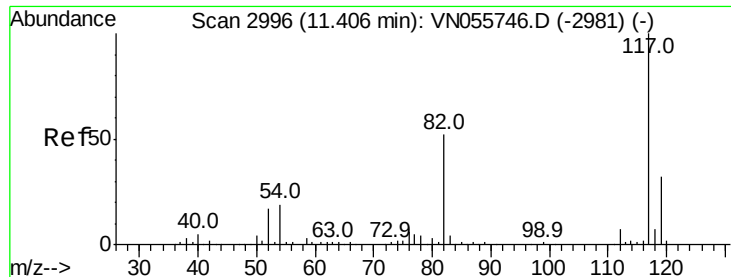
MMDadoda
 6/4/2019 11:24:58 AM



#62
 4-Bromofluorobenzene
 Concen: 48.743 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	191.0
176	90.9	0.0	185.2





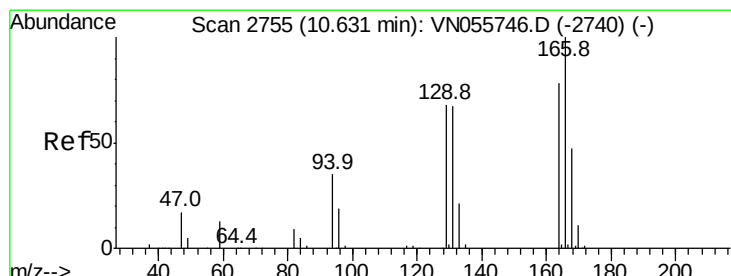
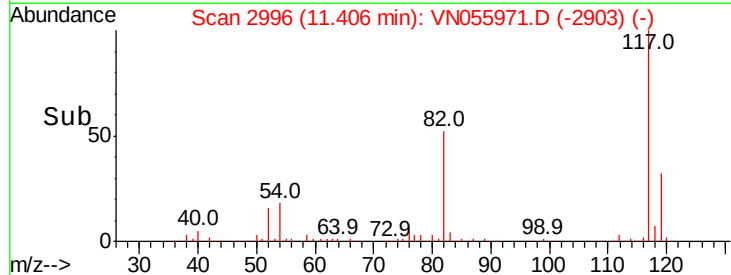
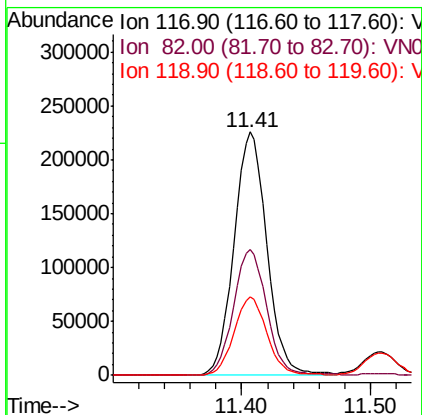
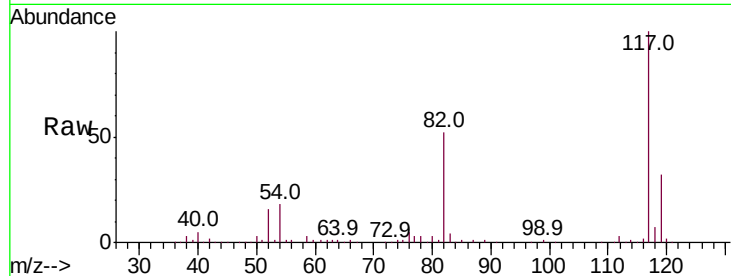
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.8
119	32.3	25.4	38.0

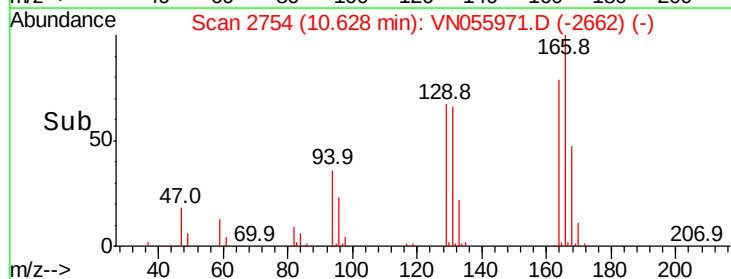
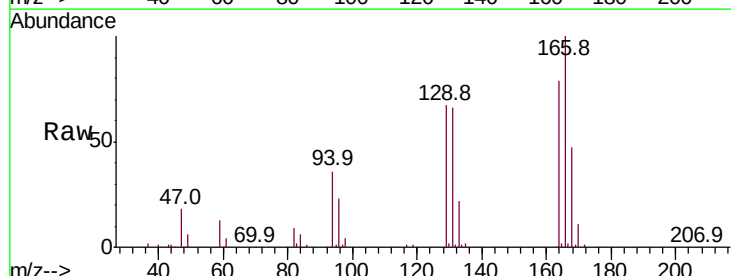
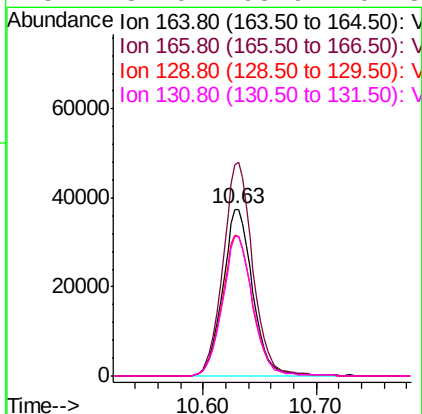
Manual Integrations
APPROVED

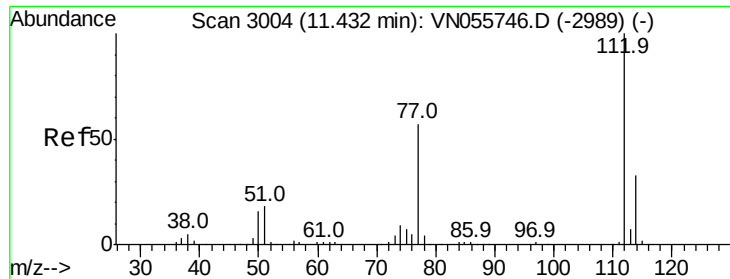
MMDadoda
6/4/2019 11:24:58 AM



#64
Tetrachloroethene
Concen: 20.419 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.0	154.6
129	84.7	70.6	105.8
131	84.0	68.6	102.8





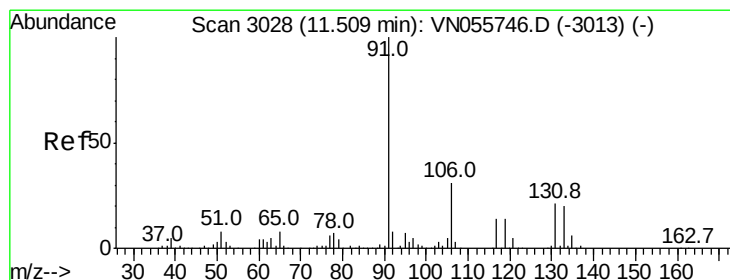
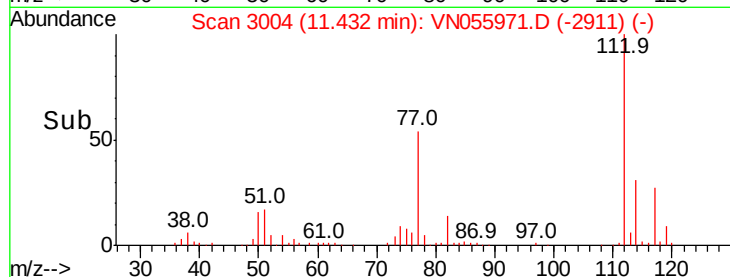
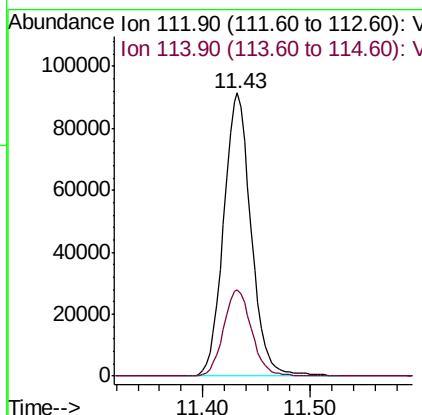
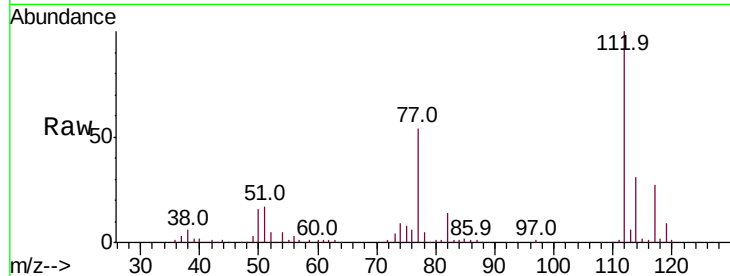
#65
Chlorobenzene
Concen: 20.258 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion:112 Resp: 162113
Ion Ratio Lower Upper
112 100
114 30.7 26.2 39.4

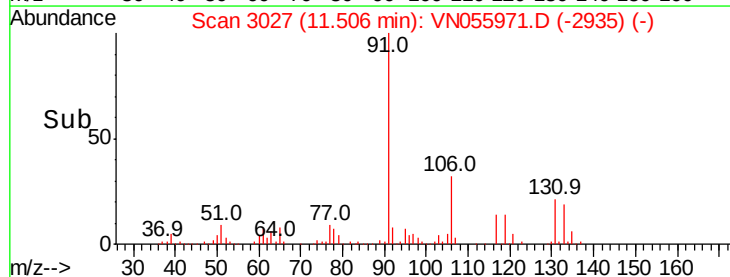
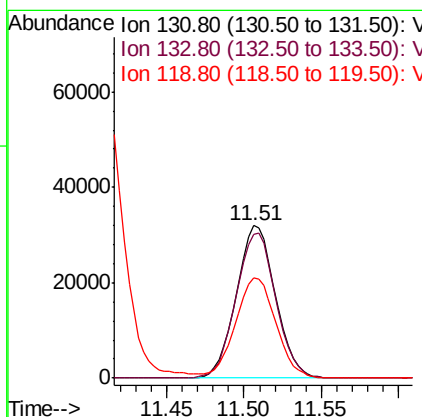
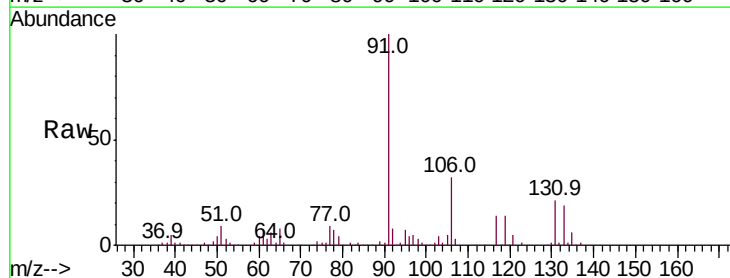
Manual Integrations
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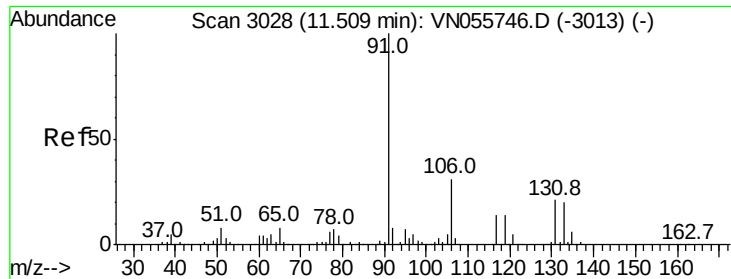
MMDadoda
6/4/2019 11:24:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.637 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion:131 Resp: 56290
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 67.8 33.1 99.5





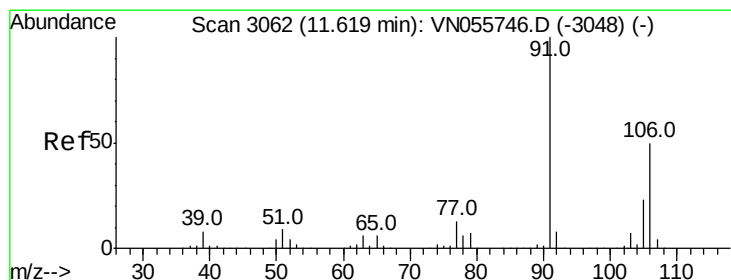
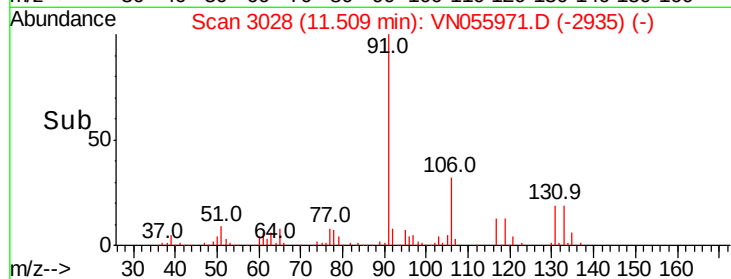
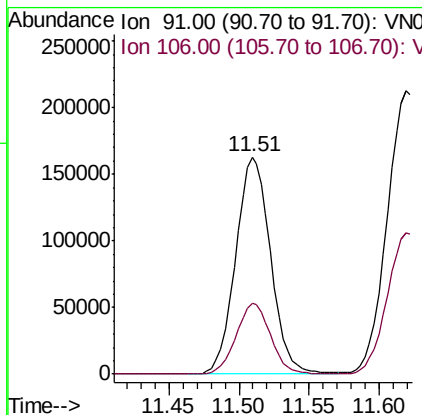
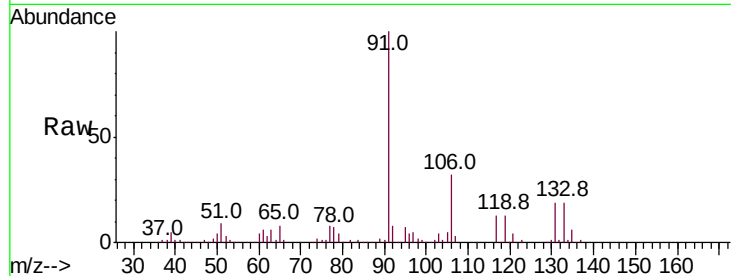
#67
Ethyl Benzene
Concen: 19.701 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion: 91 Resp: 282721
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

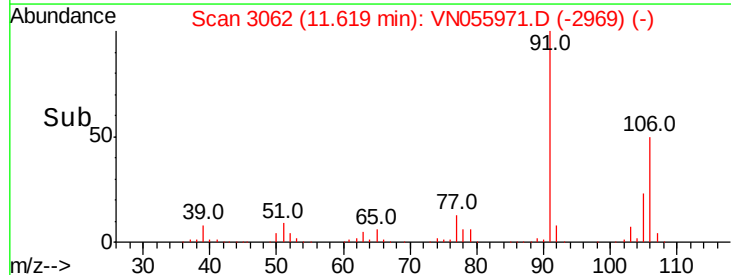
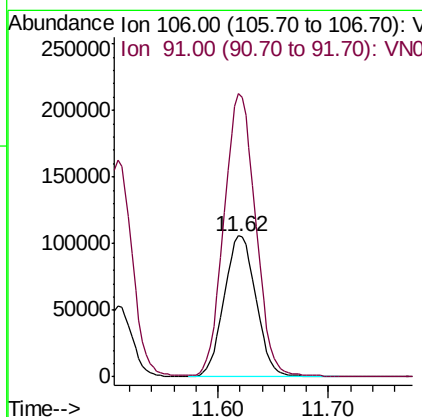
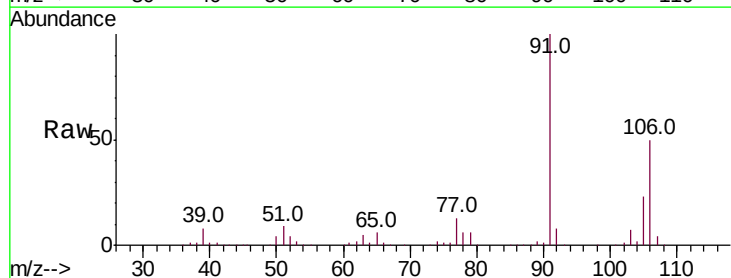
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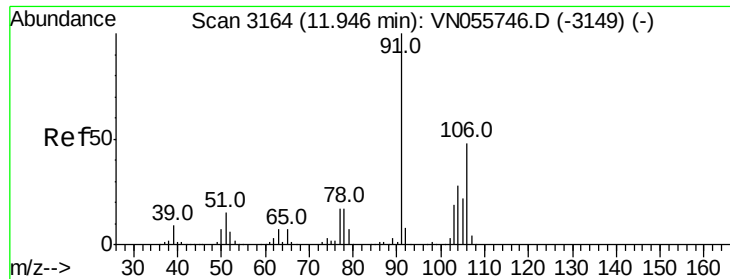
MMDadoda
6/4/2019 11:24:58 AM



#68
m/p-Xylenes
Concen: 39.361 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion: 106 Resp: 213540
Ion Ratio Lower Upper
106 100
91 199.0 159.3 238.9





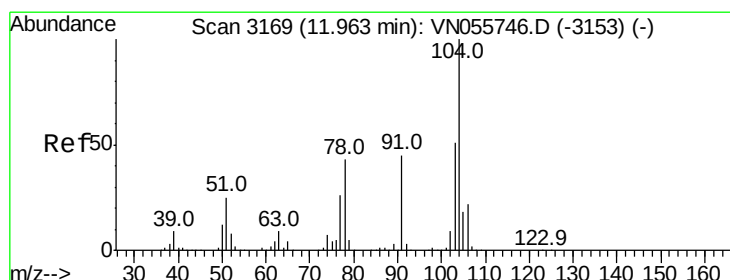
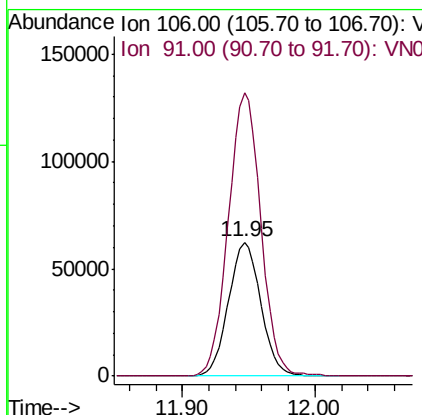
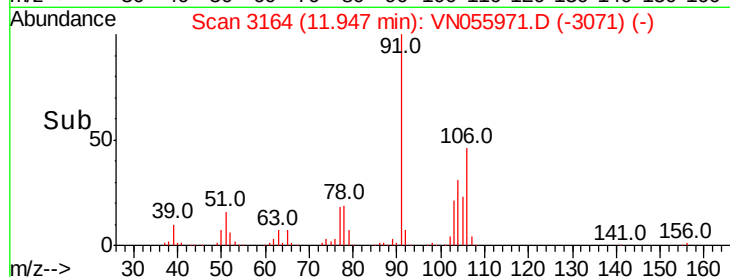
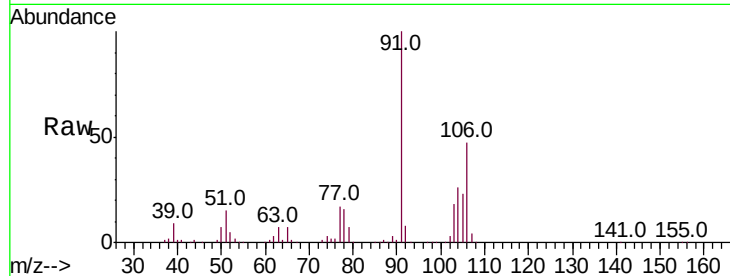
#69
o-Xylene
Concen: 19.708 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion:106 Resp: 106078
Ion Ratio Lower Upper
106 100
91 212.0 104.7 314.1

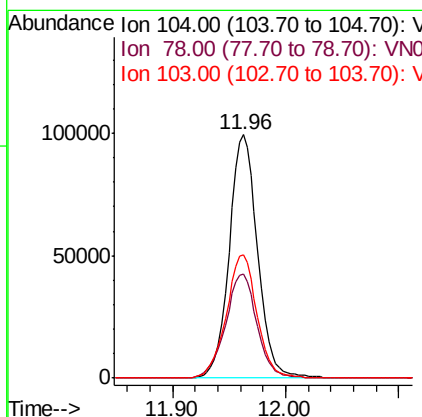
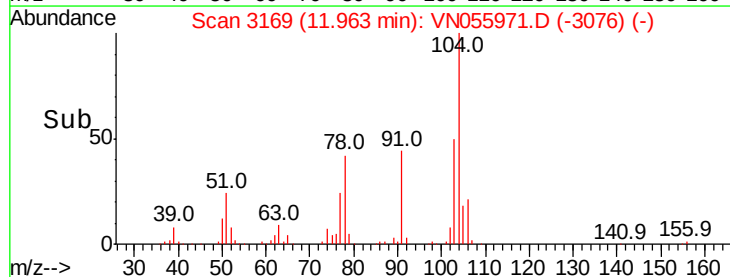
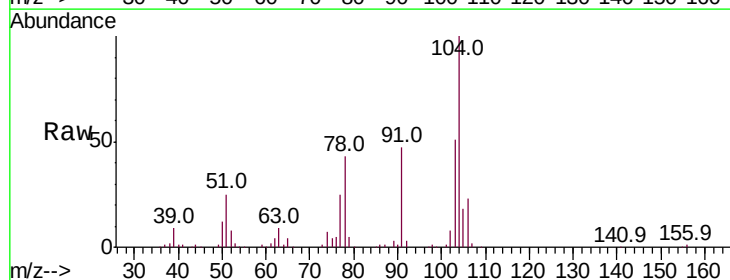
Manual Integrations
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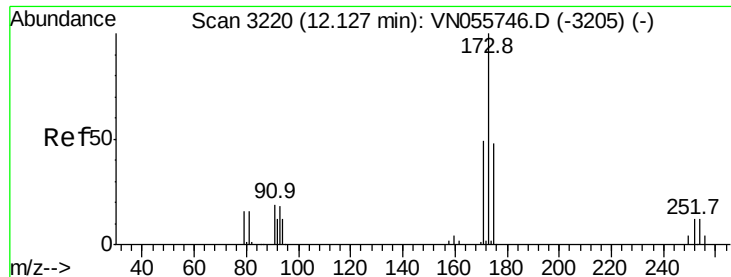
MMDadoda
6/4/2019 11:24:58 AM



#70
Styrene
Concen: 19.887 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion:104 Resp: 173340
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.6
103 54.9 44.2 66.2





#71

Bromoform

Concen: 13.750 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion:173 Resp: 37432

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

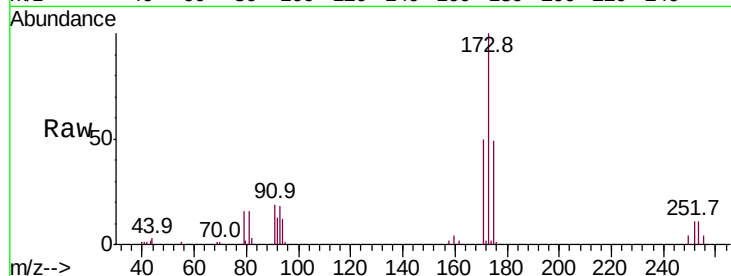
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

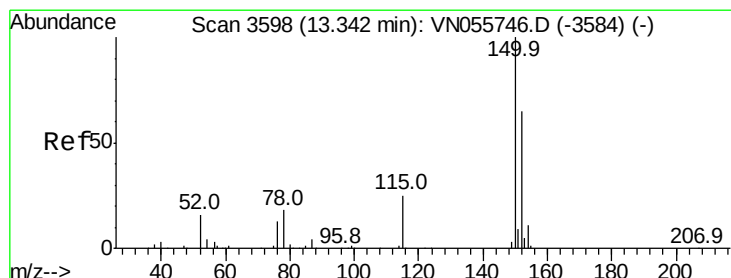
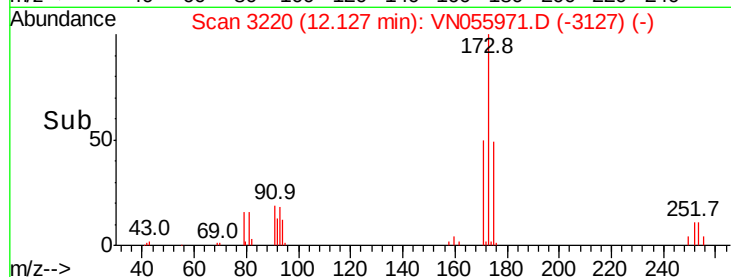
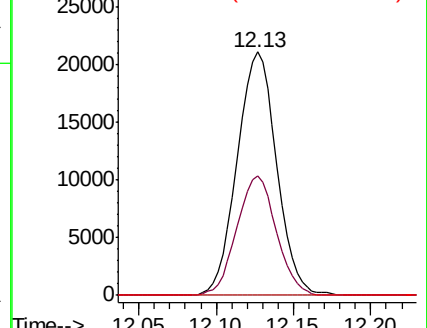
6/4/2019 11:24:58 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

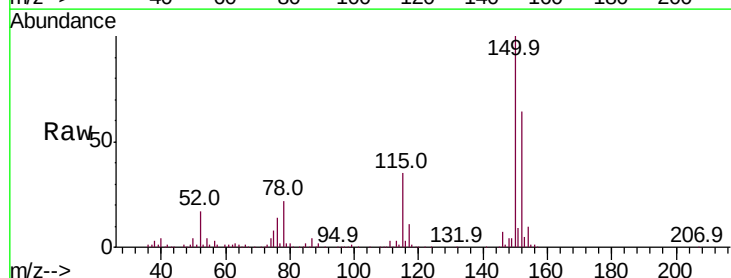
Tgt Ion:152 Resp: 165507

Ion Ratio Lower Upper

152 100

115 54.5 27.0 81.0

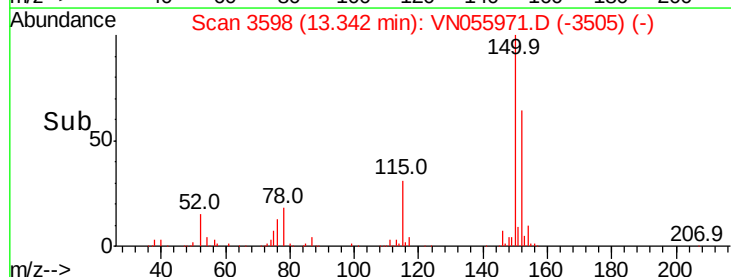
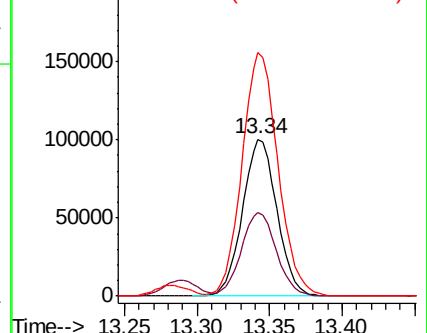
150 162.4 0.0 343.2

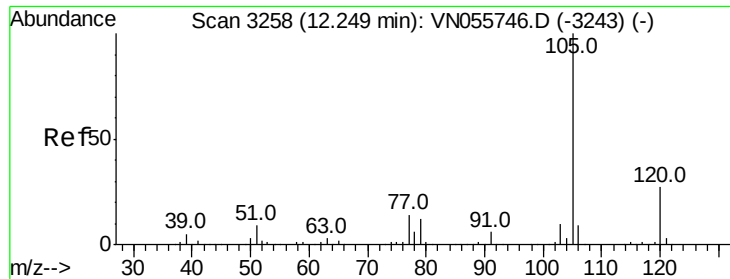


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.390 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

VN0603MBSD01

Tot Ion:105 Resp: 280944

Ion Ratio Lower Upper

105 100

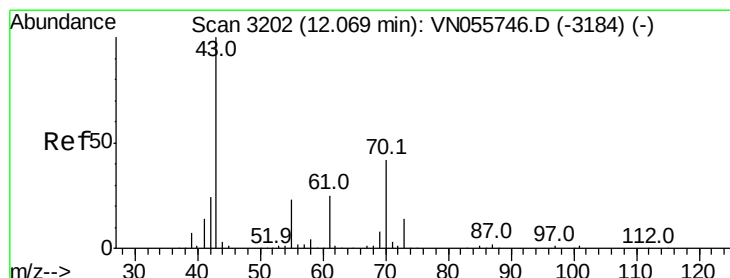
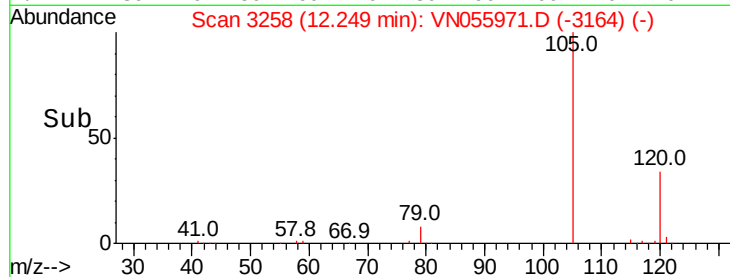
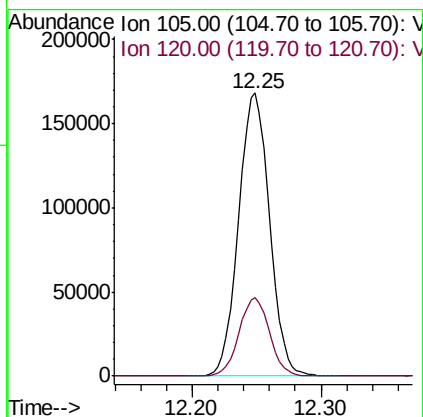
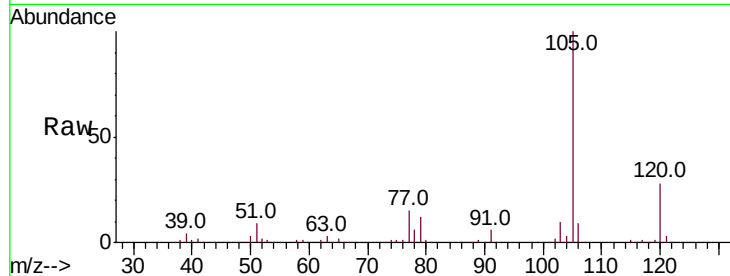
120 27.3 13.6 40.7

Manual Integrations

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6/4/2019 11:24:58 AM



#74

N-ethyl acetate

Concen: 20.412 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion: 43 Resp: 97525

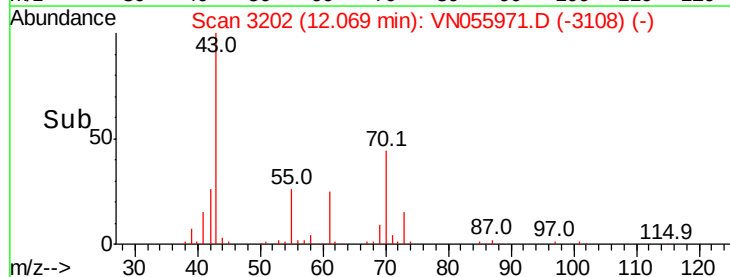
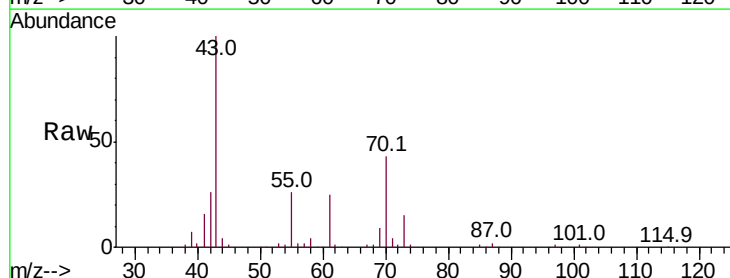
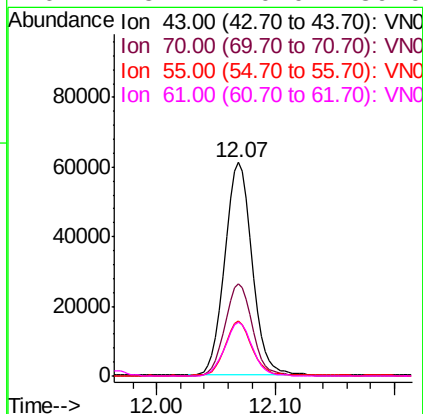
Ion Ratio Lower Upper

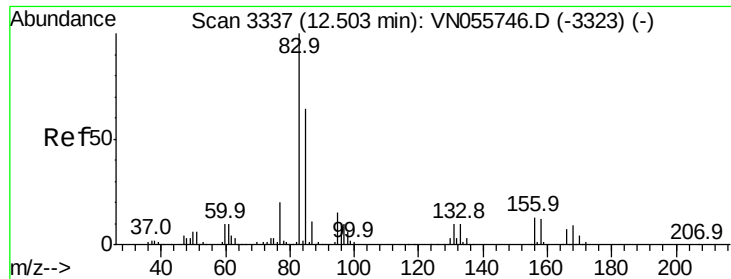
43 100

70 43.4 34.0 51.0

55 24.7 18.6 28.0

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.666 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

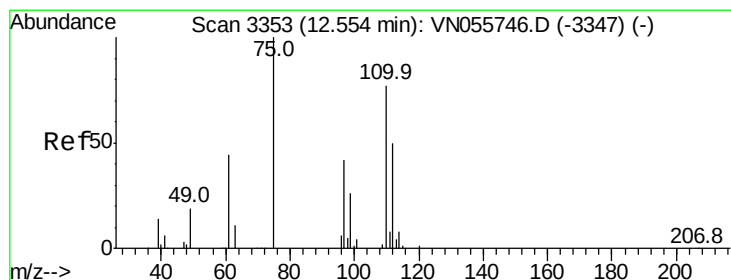
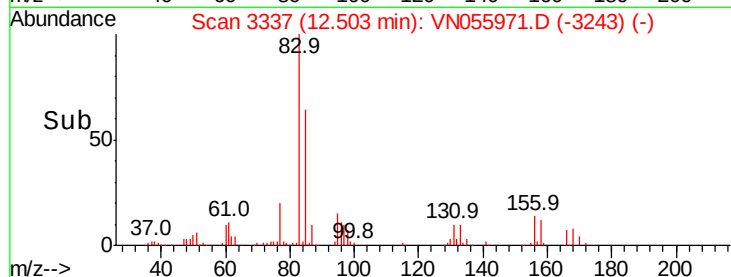
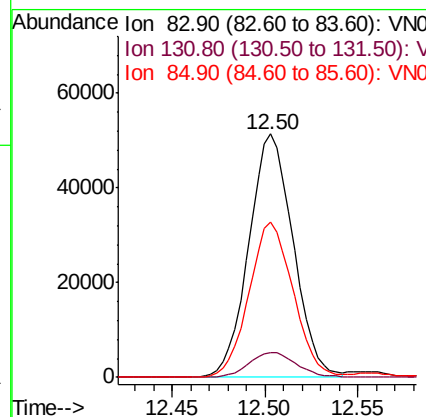
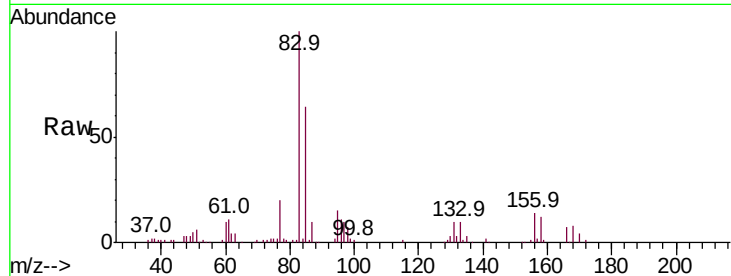
ClientSampled :

VN0603MBS01

Tot Ion:	83	Resp:	85345
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	63.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 22.556 ug/l m

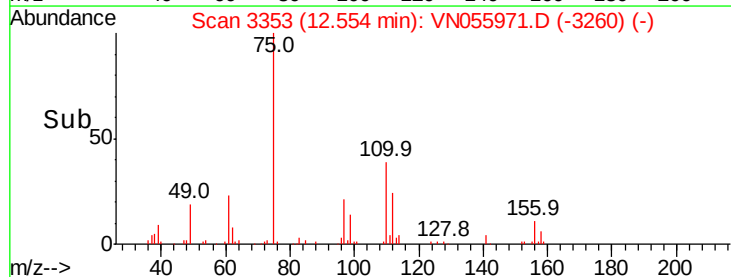
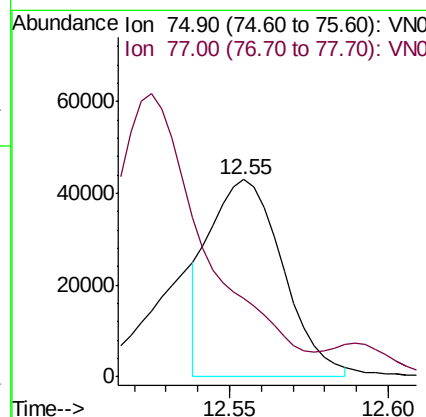
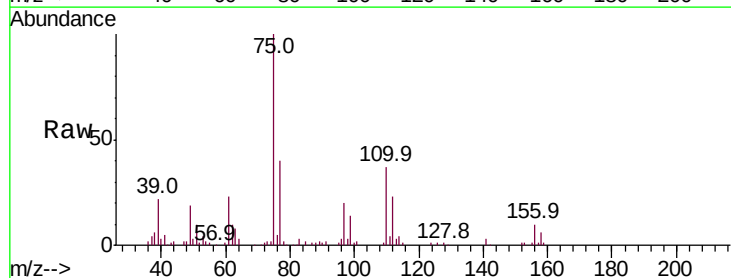
RT: 12.55 min Scan# 3353

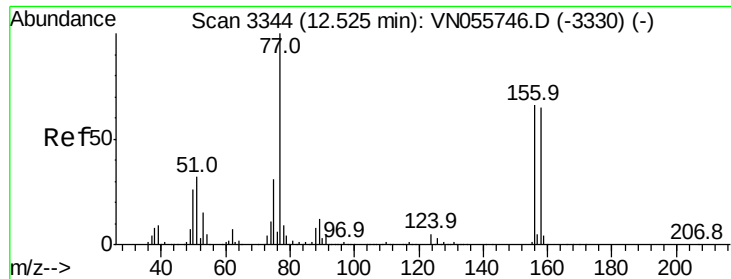
Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion:	75	Resp:	69206
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 24.138 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion:156 Resp: 85248

Ion Ratio Lower Upper

156 100

77 153.5 90.8 272.5

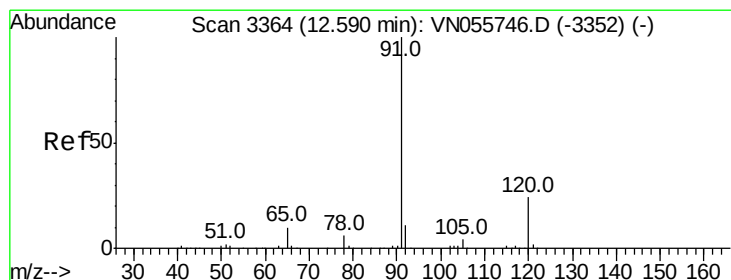
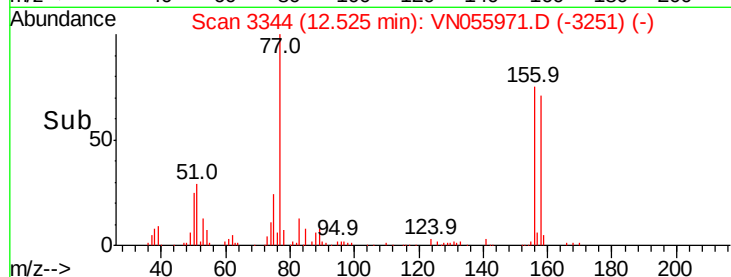
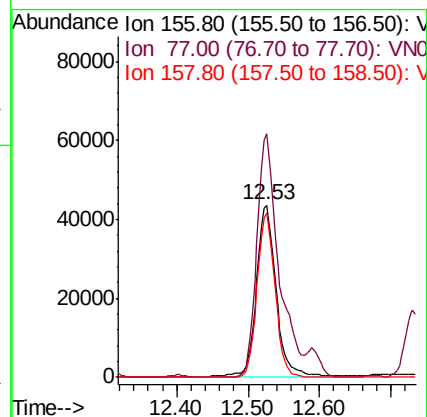
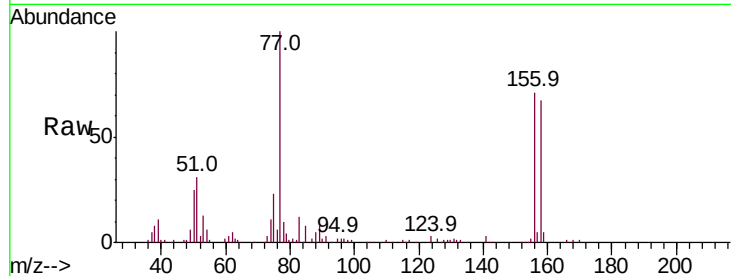
158 84.8 49.3 147.8

Manual Integrations

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6/4/2019 11:24:58 AM



#78

n-propylbenzene

Concen: 20.450 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055971.D

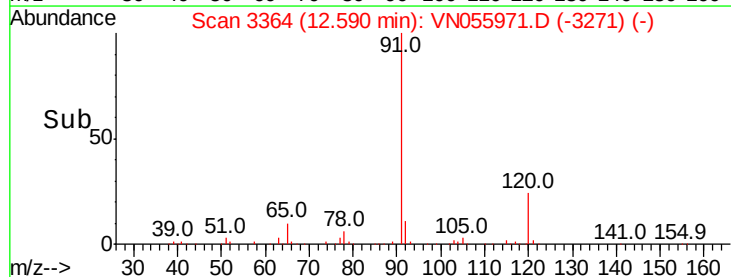
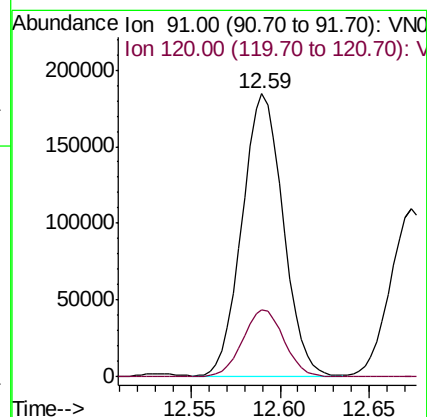
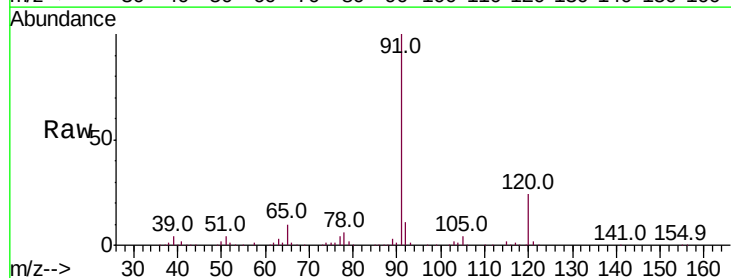
Acq: 3 Jun 2019 19:15

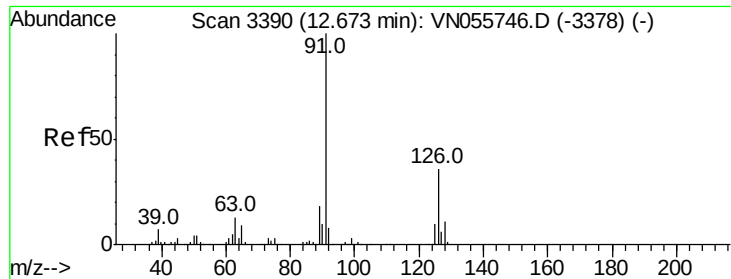
Tgt Ion: 91 Resp: 294164

Ion Ratio Lower Upper

91 100

120 24.0 12.0 36.0





#79

2-Chlorotoluene

Concen: 22.125 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 91 Resp: 182441

Ion Ratio Lower Upper

91 100

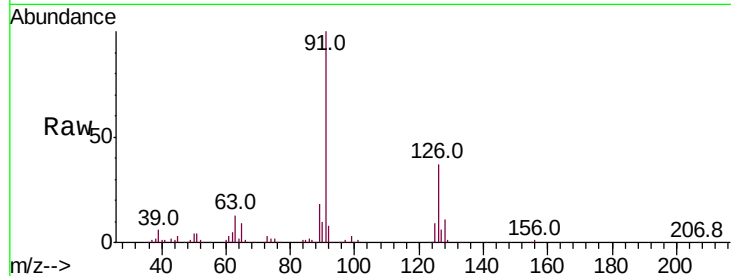
126 36.6 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055971.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055971.D (-3390) (-)

150000

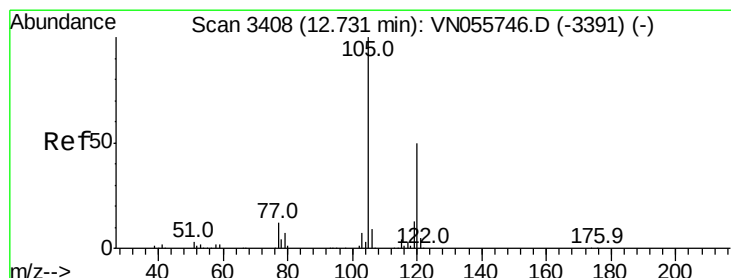
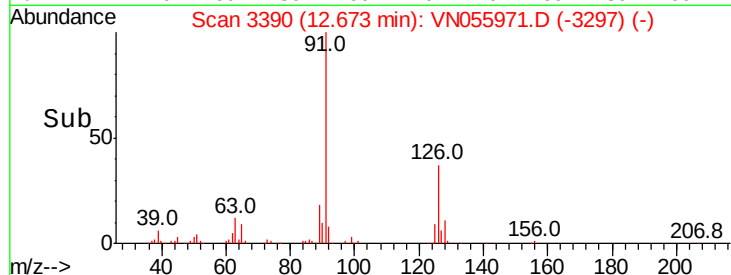
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.686 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055971.D

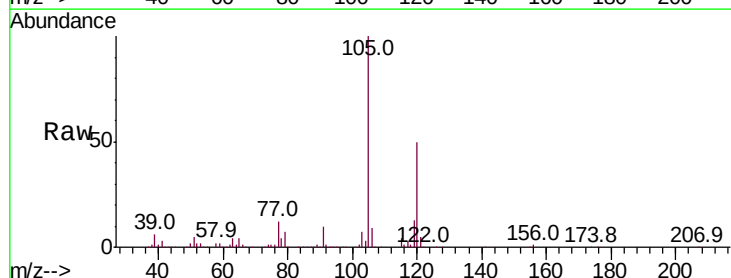
Acq: 3 Jun 2019 19:15

Tgt Ion: 105 Resp: 229271

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055971.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055971.D (-3408) (-)

150000

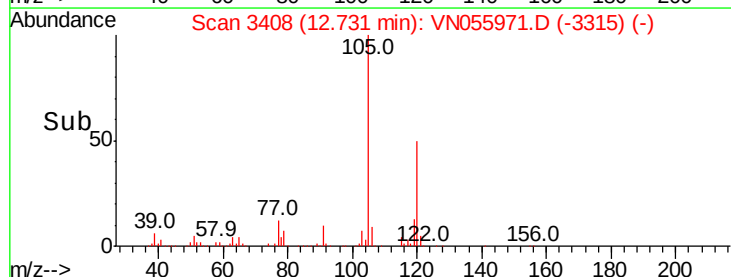
100000

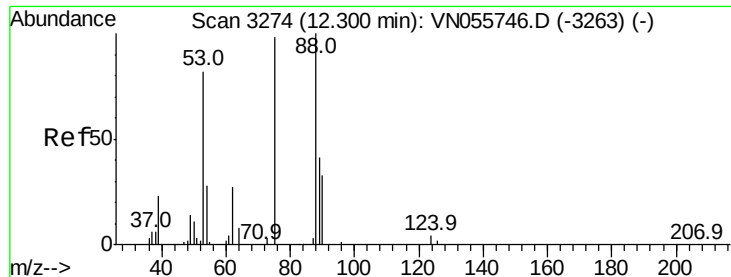
50000

0

12.70 12.73 12.76

Time-->





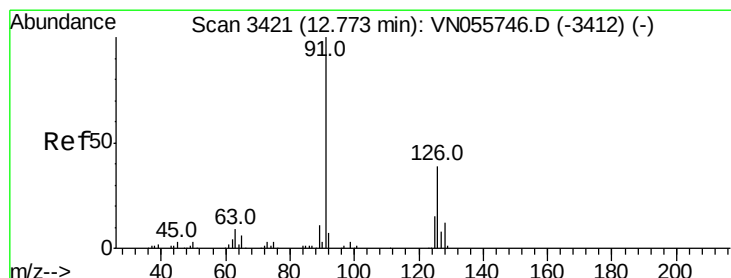
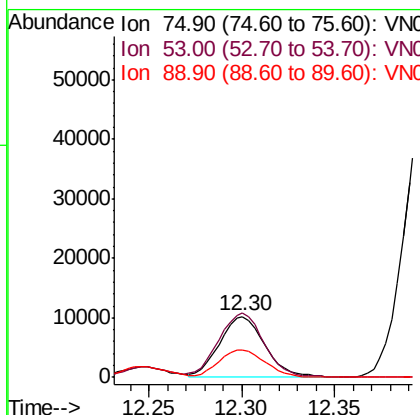
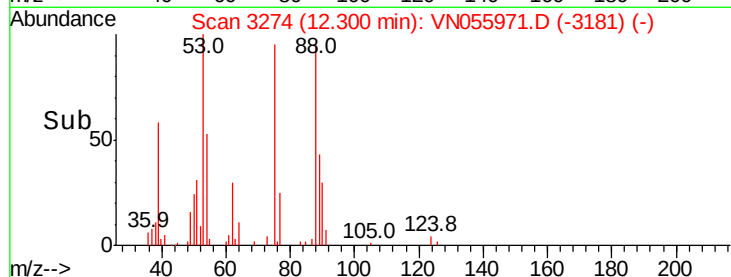
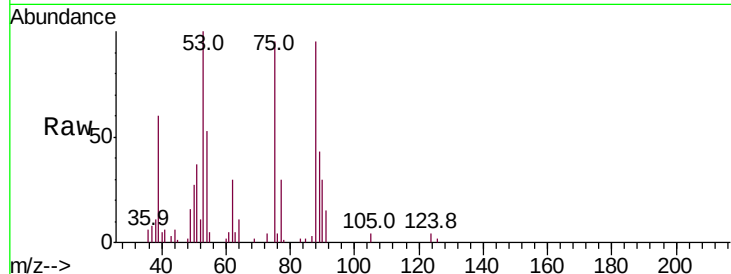
#81
trans-1,4-Dichloro-2-butene
Concen: 14.151 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion: 75 Resp: 17407
Ion Ratio Lower Upper
75 100
53 106.8 68.1 102.1#
89 46.2 36.9 55.3

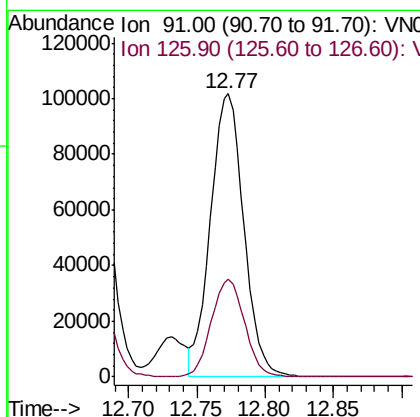
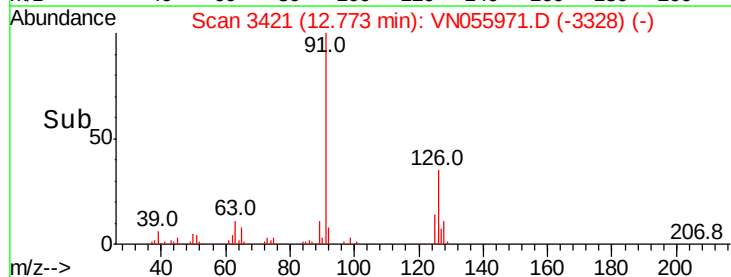
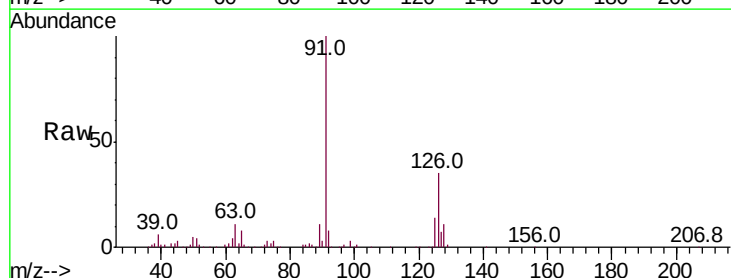
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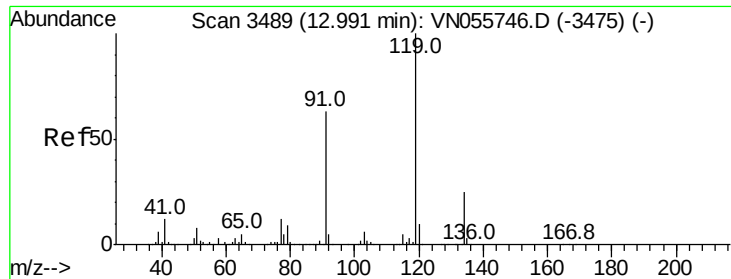
MMDadoda
6/4/2019 11:24:58 AM



#82
4-Chlorotoluene
Concen: 20.278 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion: 91 Resp: 171467
Ion Ratio Lower Upper
91 100
126 34.7 17.8 53.3





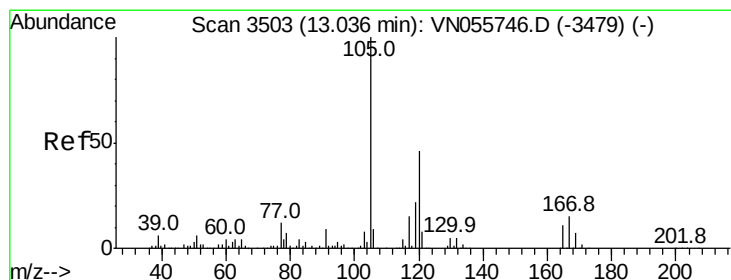
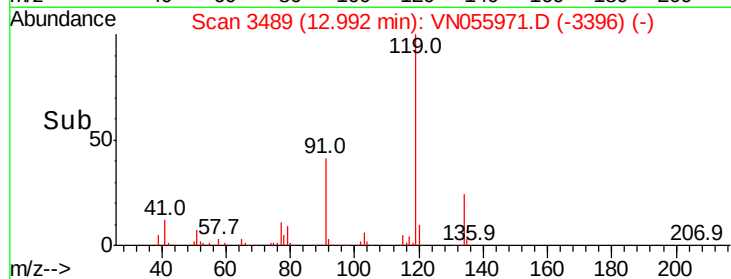
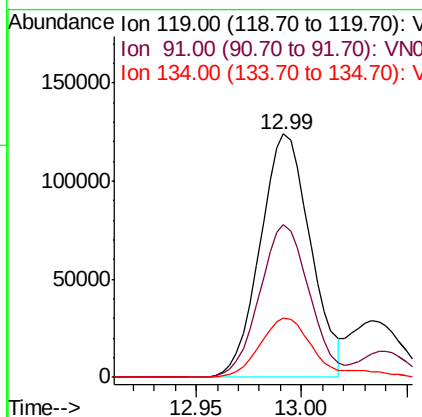
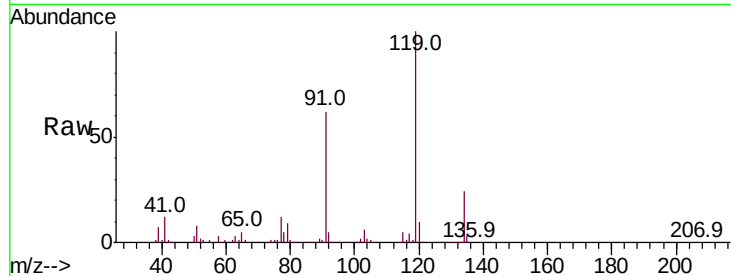
#83
tert-Butylbenzene
Concen: 22.395 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206145		
91	62.1	30.9	92.8	
134	24.6	13.3	39.8	

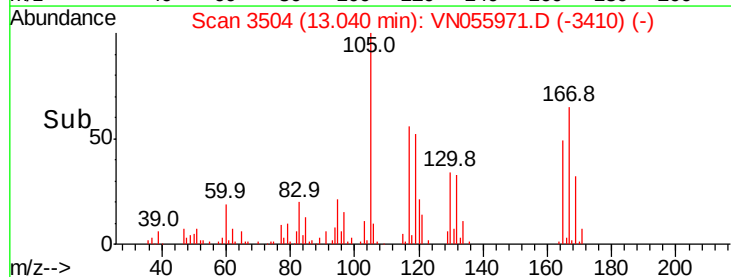
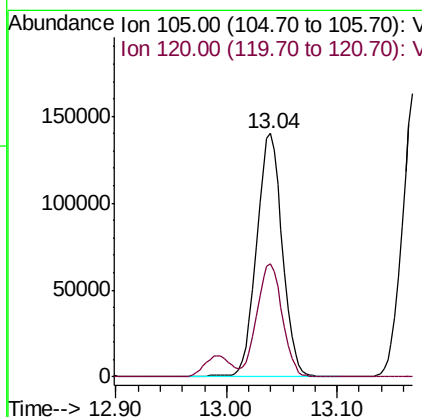
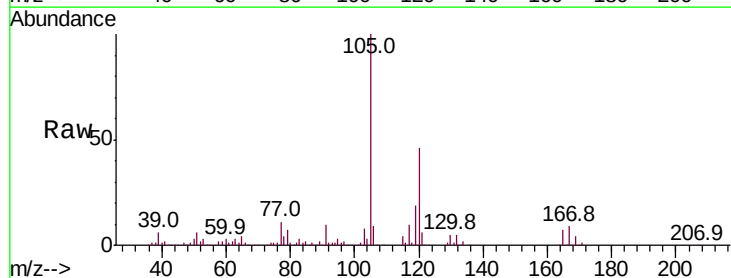
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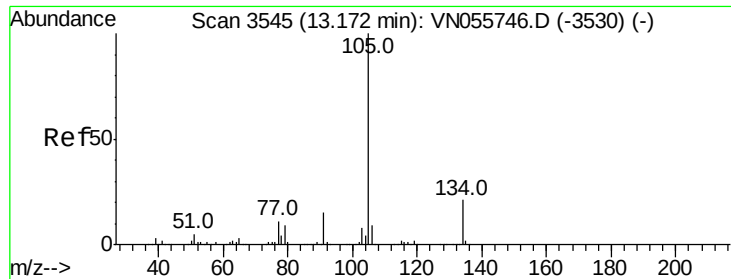
MMDadoda
6/4/2019 11:24:58 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.535 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226242		
120	46.1	23.0	69.0	





#85

sec-Butylbenzene

Concen: 22.426 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

VN0603MBSD01

Tot Ion:105 Resp: 264374

Ion Ratio Lower Upper

105 100

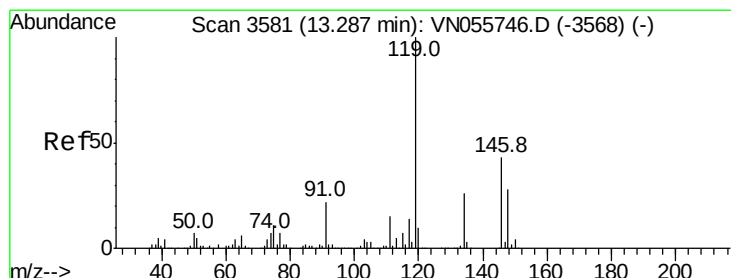
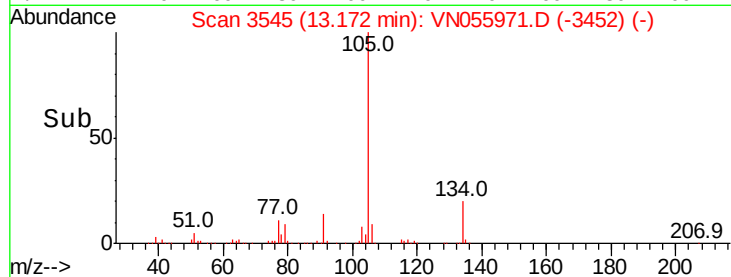
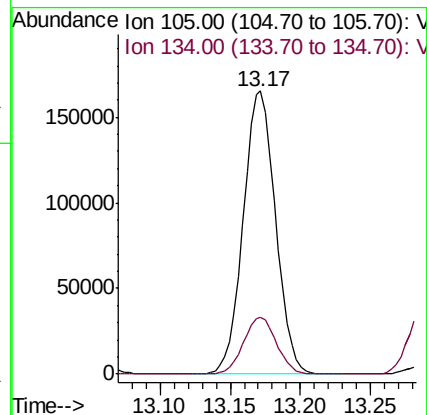
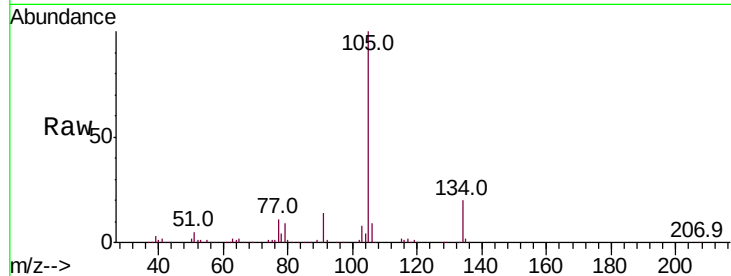
134 20.4 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.589 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

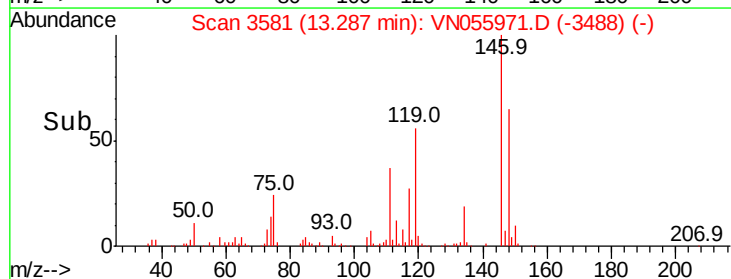
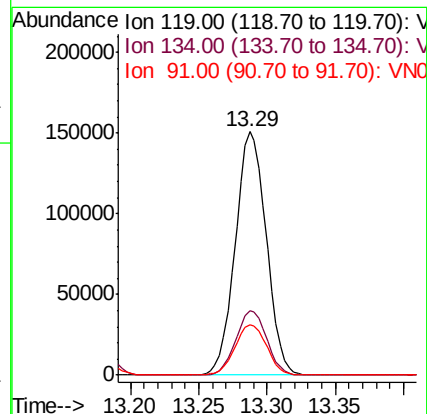
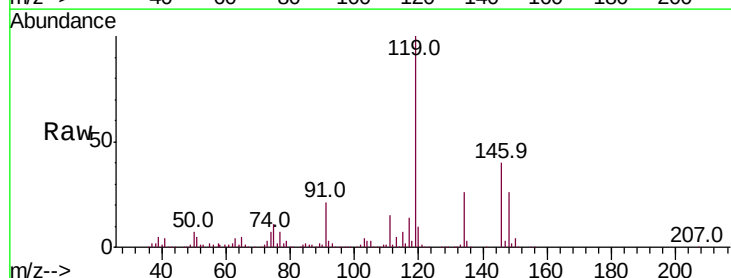
Tgt Ion:119 Resp: 236650

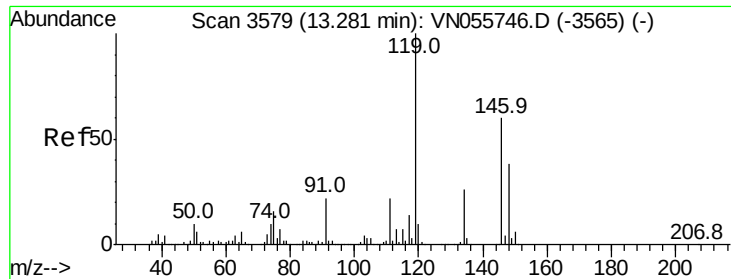
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 21.7 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.444 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

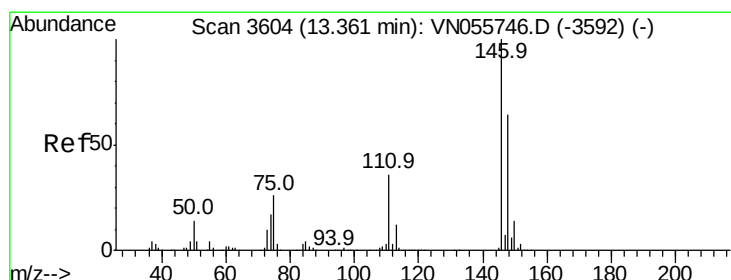
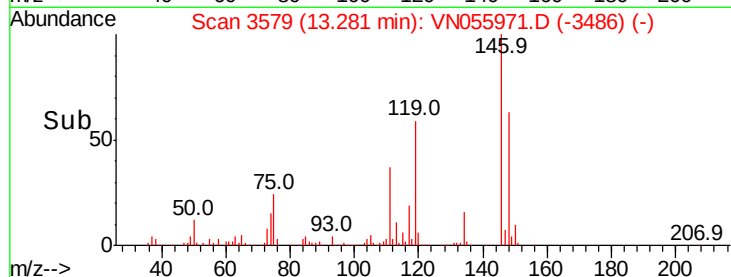
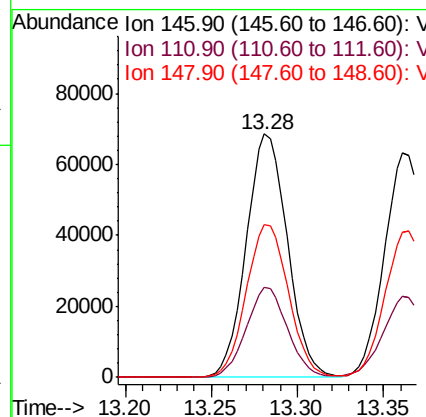
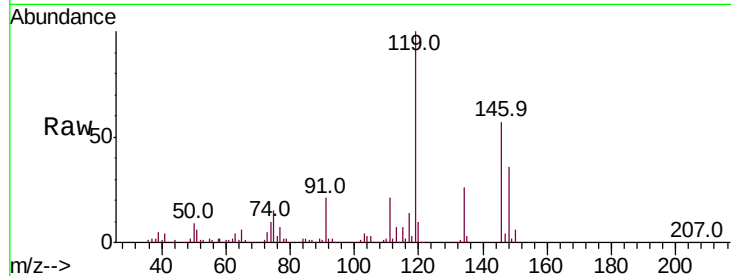
ClientSampleId :

VN0603MBSD01

Tot Ion:	146	Resp:	114331
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.5	55.5
148	64.0	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 20.171 ug/l

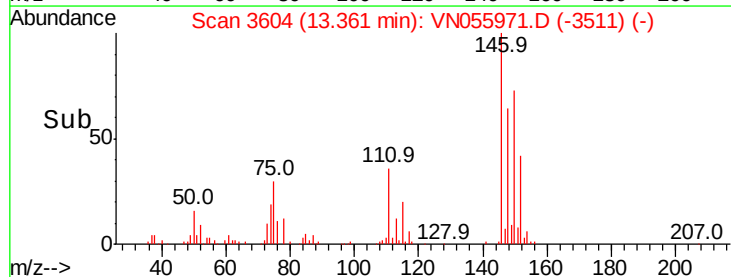
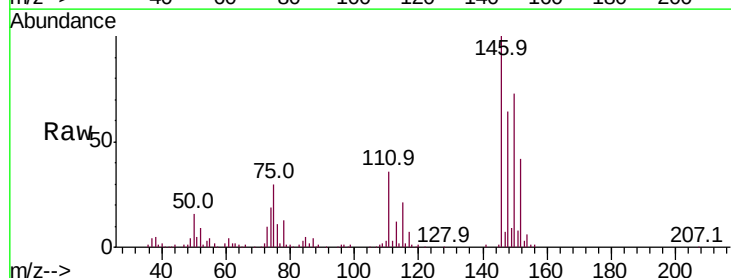
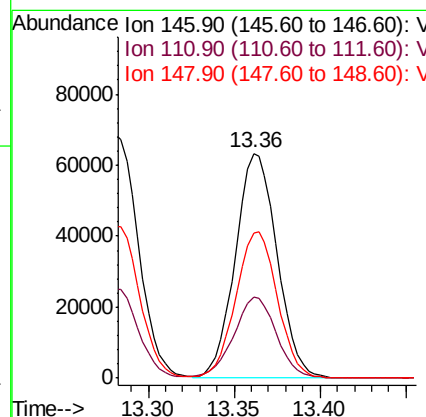
RT: 13.36 min Scan# 3604

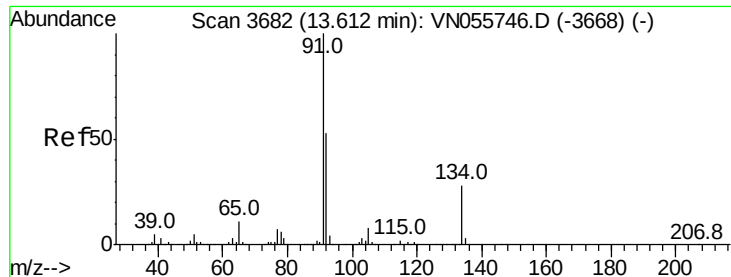
Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion:	146	Resp:	107247
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.1	54.4
148	65.1	32.1	96.5





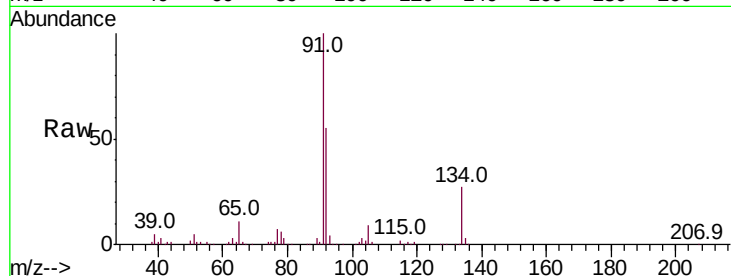
#89
n-Butylbenzene
Concen: 19.298 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.4	79.0
134	27.5	13.9	41.7

Manual Integrations
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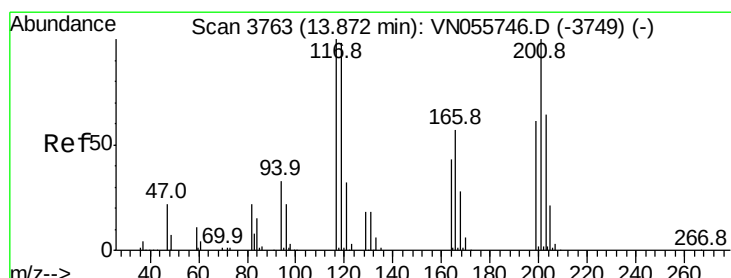
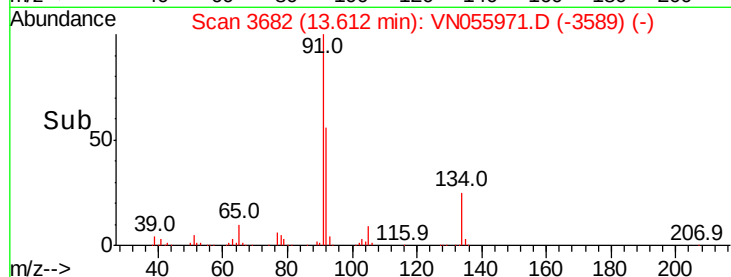
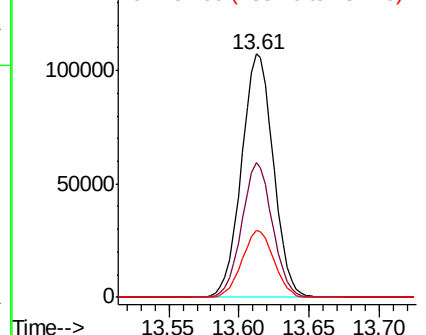


Abundance

Ion 91.00 (90.70 to 91.70): VN055971.D (-3668) (-)

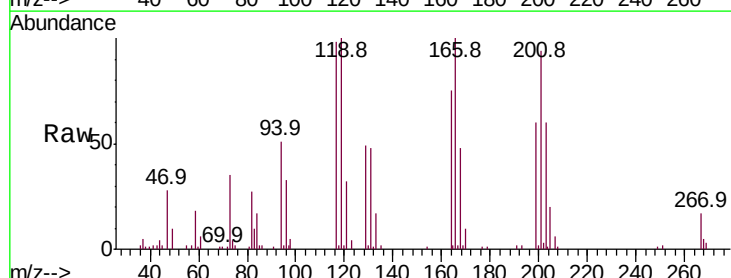
Ion 92.00 (91.70 to 92.70): VN055971.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055971.D (-3668) (-)



#90
Hexachloroethane
Concen: 14.887 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055971.D
Acq: 3 Jun 2019 19:15

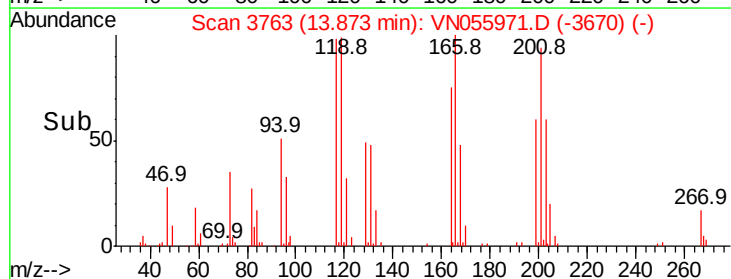
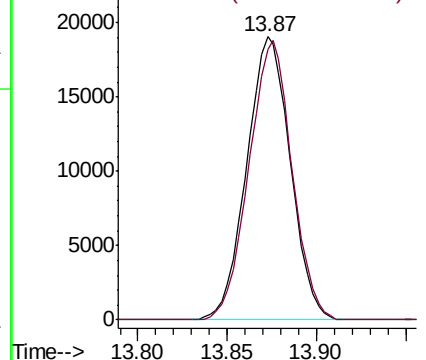
Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.2	50.0	150.0

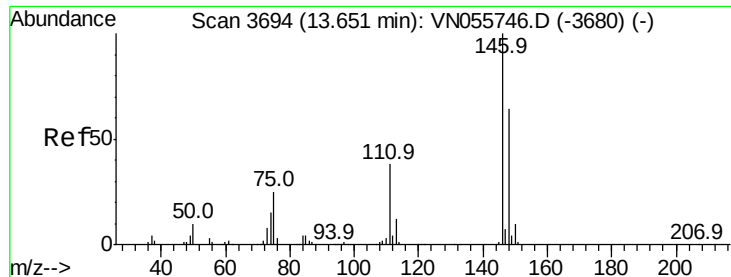


Abundance

Ion 116.80 (116.50 to 117.50): VN055971.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055971.D (-3749) (-)





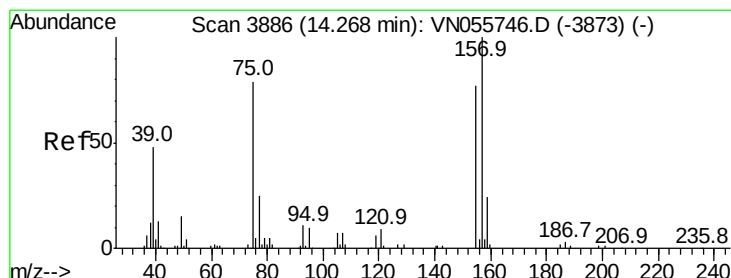
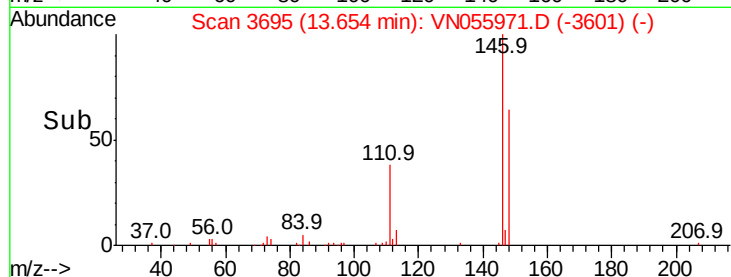
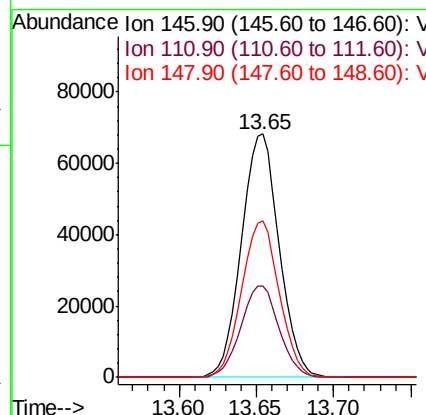
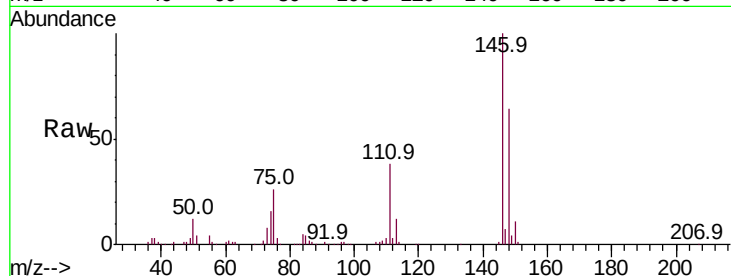
#91
 1,2-Dichlorobenzene
 Concen: 20.769 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	63.8	31.9	95.9

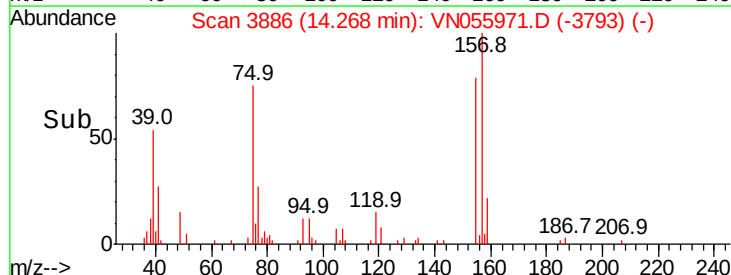
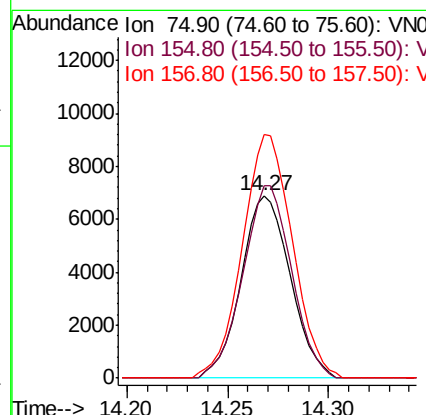
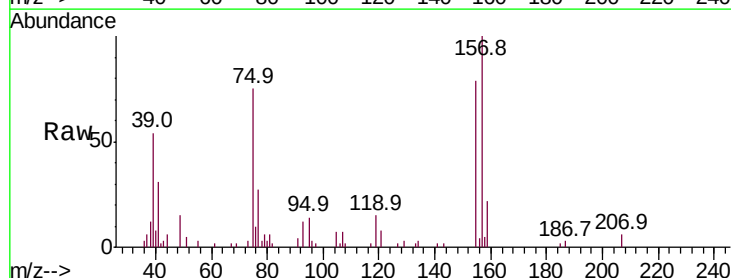
Manual Integrations
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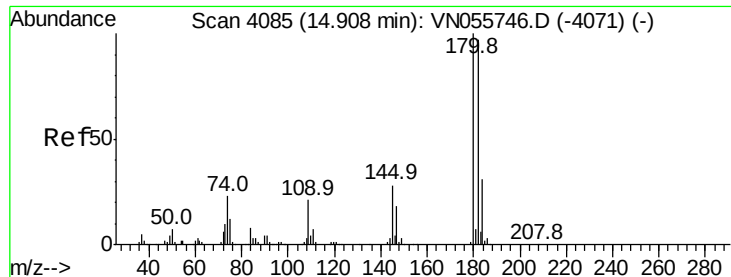
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.066 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.3	50.0	150.1
157	135.7	64.8	194.3





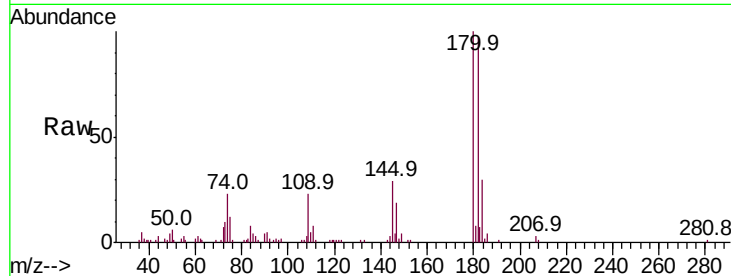
#93
 1,2,4-Trichlorobenzene
 Concen: 18.117 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBSD01

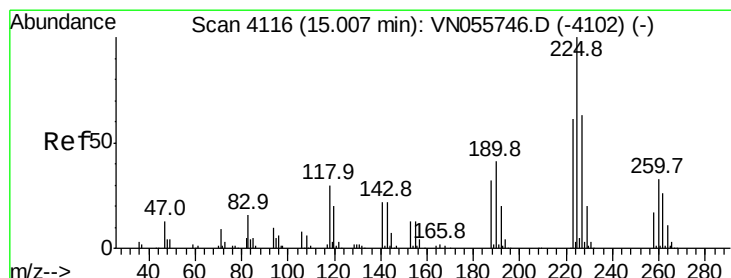
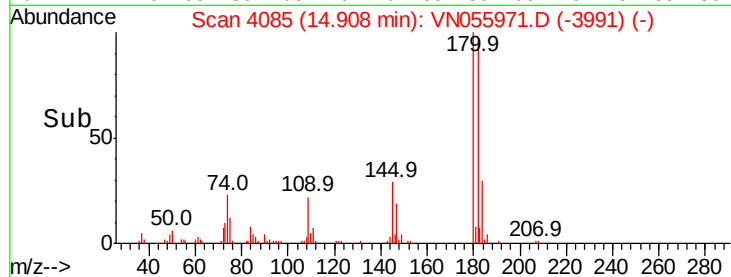
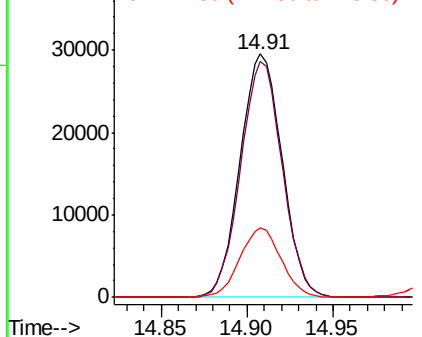
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	48.3	144.9	
145	28.2	14.0	41.9	

Manual Integrations
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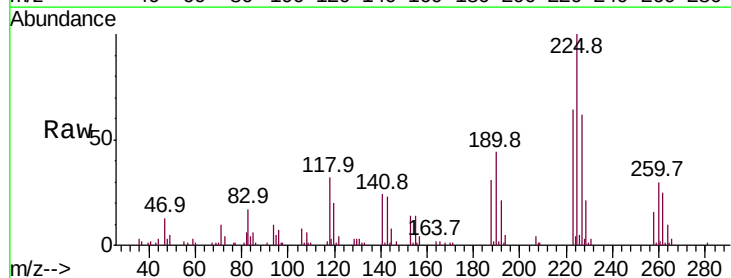


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

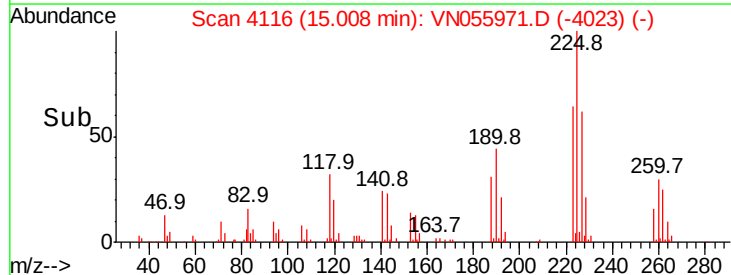
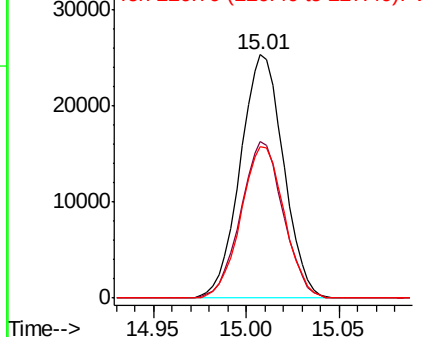


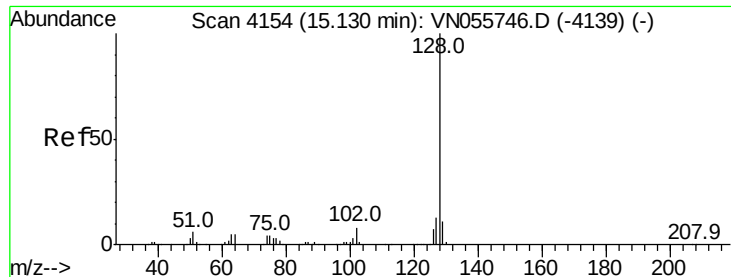
#94
 Hexachlorobutadiene
 Concen: 19.824 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055971.D
 Acq: 3 Jun 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	30.9	92.7	
227	62.5	31.6	94.7	



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





#95

Naphthalene

Concen: 18.697 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Instrument :

MSVOA_N

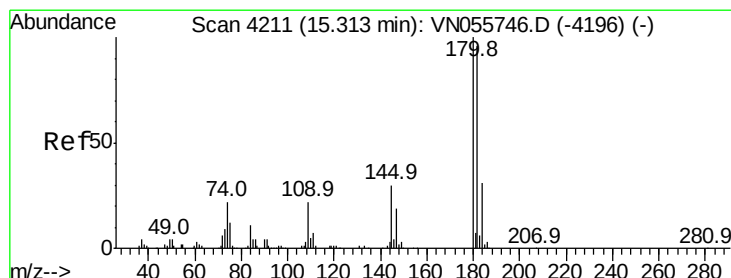
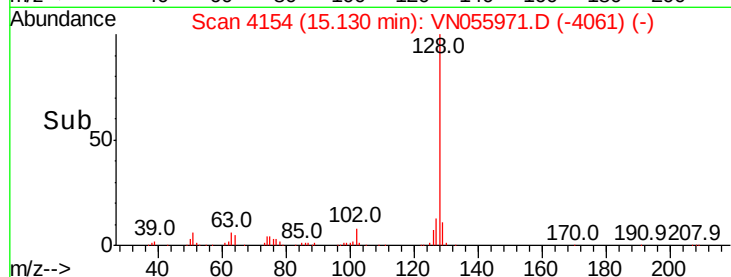
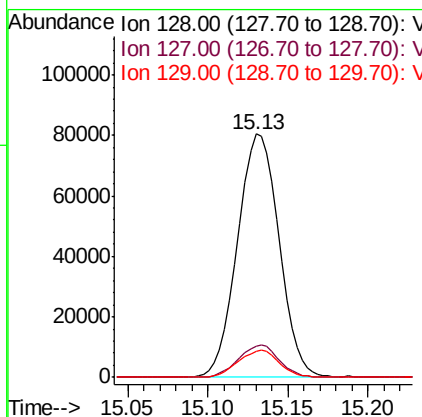
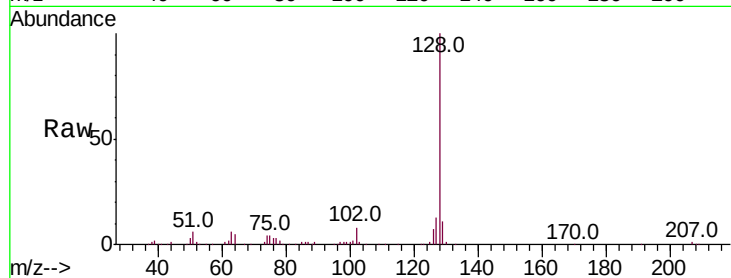
ClientSampleId :

VN0603MBSD01

Tot Ion:	128	Resp:	143148
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	11.3	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.372 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055971.D

Acq: 3 Jun 2019 19:15

Tgt Ion:	180	Resp:	57135
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.9	143.7
145	30.2	14.9	44.7

