

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055875.D
 Acq On : 29 May 2019 14:08
 Operator : JC/SP
 Sample : VN0529WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0529WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:35:11 AM

Quant Time: May 30 09:10:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	294950	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	260118	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	107931	29.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.37%
60) 4-Bromofluorobenzene	12.40	95	116688	28.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.13%
63) Toluene-d8	10.09	98	359297	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	45435	18.709 ug/l	95
3) Chloromethane	2.06	50	62514	18.098 ug/l	97
4) Vinyl Chloride	2.18	62	67798	19.231 ug/l	99
5) Bromomethane	2.54	94	48565	23.528 ug/l	99
6) Chloroethane	2.69	64	41334	20.069 ug/l	95
7) Trichlorofluoromethane	3.01	101	88927	20.106 ug/l	99
8) Diethyl Ether	3.40	74	39812	20.475 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56516	20.223 ug/l	99
10) 1,1-Dichloroethene	3.72	96	56382	19.286 ug/l	96
11) Methyl Iodide	3.94	142	84684	20.305 ug/l	99
12) Methyl Acetate	4.33	43	67047	18.751 ug/l	100
13) Acrolein	3.60	56	38404	77.300 ug/l	99
14) Acrylonitrile	4.99	53	158392	97.164 ug/l	99
15) Acetone	3.82	58	44816	88.522 ug/l	93
16) Carbon Disulfide	4.04	76	139250	16.613 ug/l	99
17) Allyl chloride	4.31	41	93582	17.773 ug/l	95
18) Methylene Chloride	4.54	84	65840	19.664 ug/l	94
19) trans-1,2-Dichloroethene	5.03	96	60732	19.311 ug/l	97
20) Diisopropyl ether	5.96	45	191374	18.736 ug/l	97
21) 1,1-Dichloroethane	5.84	63	110005	19.056 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	72676	19.814 ug/l	94
23) tert-Butyl Alcohol	4.81	59	62972	87.959 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	189643	19.117 ug/l	99
25) Chloroform	7.37	83	110941	19.458 ug/l	99
26) Cyclohexane	7.65	56	100834	18.933 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	80850	19.581 ug/l	98
30) 2-Butanone	6.84	43	211330	96.024 ug/l	99
31) 2,2-Dichloropropane	6.82	77	83050	17.284 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	96164	19.649 ug/l	100
33) Carbon Tetrachloride	7.77	117	80499	18.387 ug/l	98
34) Benzene	8.04	78	259970	20.393 ug/l	99
35) Methacrylonitrile	7.18	41	36162	17.802 ug/l	95
36) 1,2-Dichloroethane	8.12	62	84857	20.370 ug/l	99
37) Trichloroethene	8.83	130	72845	20.481 ug/l	99
38) Methylcyclohexane	9.08	83	100863	19.280 ug/l	99
39) 1,2-Dichloropropane	9.12	63	66443	19.388 ug/l	99
40) Dibromomethane	9.21	93	44932	20.305 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	82605	18.214	ug/l	98
42) Vinyl Acetate	5.90	43	805040	94.215	ug/l	100
43) Ethyl Acetate	6.93	43	86540	20.005	ug/l #	100
44) Isopropyl Acetate	8.17	43	132965	18.562	ug/l #	88
45) 1,4-Dioxane	9.20	88	26719	396.475	ug/l	94
46) Methyl methacrylate	9.20	41	65221	19.515	ug/l	98
47) n-amyl Acetate	12.07	43	109079	18.410	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	85230	17.024	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	99030	18.072	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	65104	20.209	ug/l	99
51) Ethyl methacrylate	10.43	69	99782	19.216	ug/l	99
52) 1,3-Dichloropropane	10.71	76	105309	19.832	ug/l	100
53) Dibromochloromethane	10.90	129	67596	17.762	ug/l	99
54) 1,2-Dibromoethane	11.00	107	67155	20.145	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	180068	89.127	ug/l	99
56) Bromoform	12.13	173	48826	15.641	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	423516	98.351	ug/l	99
59) 2-Hexanone	10.75	43	292467	95.003	ug/l	99
61) Tetrachloroethene	10.63	164	73927	20.995	ug/l	98
62) Toluene	10.16	91	284967	20.372	ug/l	99
64) Chlorobenzene	11.43	112	172809	20.366	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	64906	18.985	ug/l	99
66) Ethyl Benzene	11.51	91	305049	19.960	ug/l	100
67) m/p-Xylenes	11.62	106	234392	40.371	ug/l	99
68) o-Xylene	11.95	106	116951	20.356	ug/l	99
69) Styrene	11.96	104	186257	19.650	ug/l	98
70) Isopropylbenzene	12.25	105	307951	20.486	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	92443	19.982	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	75760m	19.027	ug/l	
73) Bromobenzene	12.53	156	79066	19.882	ug/l	98
74) n-propylbenzene	12.59	91	322033	19.863	ug/l	100
75) 2-Chlorotoluene	12.67	91	198620	20.056	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	252528	20.323	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	22561	14.265	ug/l	88
78) 4-Chlorotoluene	12.77	91	182138	19.406	ug/l	99
79) tert-butylbenzene	12.99	119	225576	20.650	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	245393	19.894	ug/l	100
81) sec-Butylbenzene	13.17	105	283184	20.404	ug/l	100
82) p-Isopropyltoluene	13.29	119	257651	20.171	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	121096	19.425	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	113551	19.126	ug/l	100
85) n-Butylbenzene	13.61	91	184715	18.588	ug/l	99
86) Hexachloroethane	13.87	117	42006	16.720	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	127281	20.276	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15082	17.201	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	53928	15.915	ug/l	99
90) Hexachlorobutadiene	15.01	225	48753	19.283	ug/l	97
91) Naphthalene	15.13	128	150963	16.305	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	62091	17.533	ug/l	99

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QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

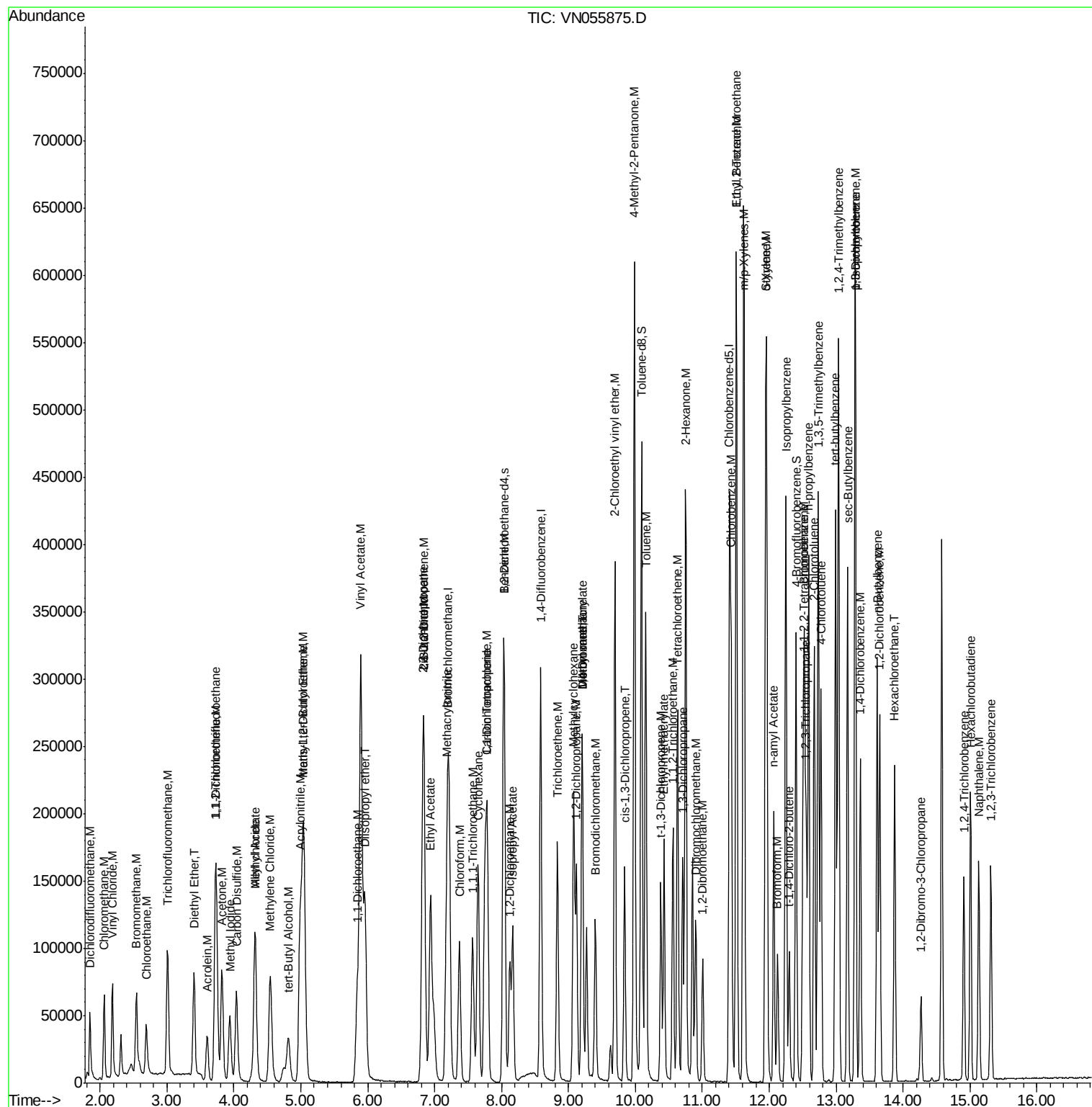
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
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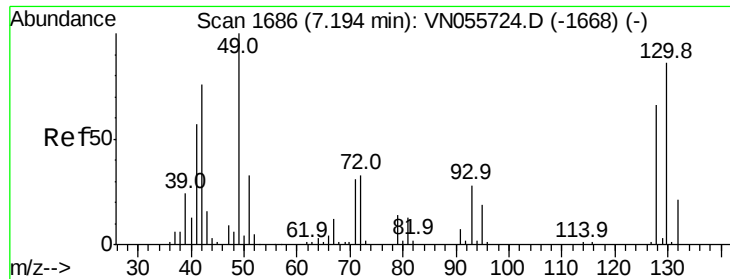
Instrument :
MSVOA_N
Client Sample Id :
VN0529WBS01

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion:128 Resp: 55388

Ion Ratio Lower Upper

128 100

49 144.5 0.0 383.2

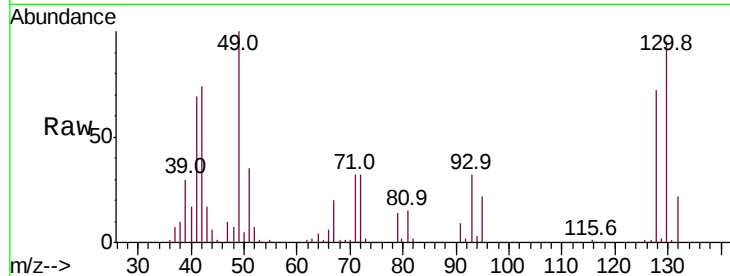
130 130.7 0.0 326.3

Manual Integrations

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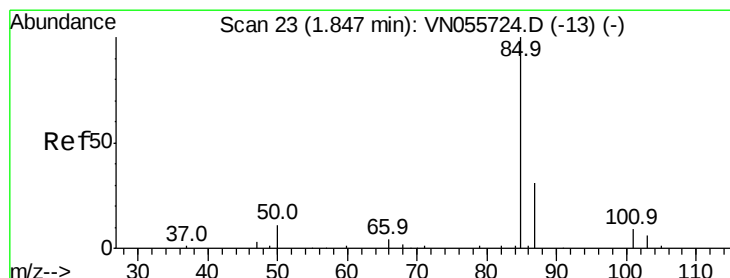
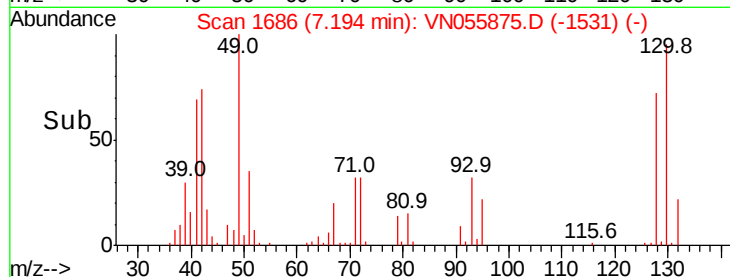
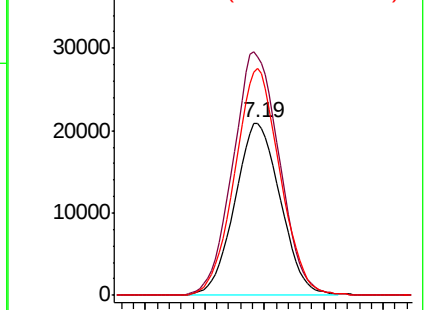
5/30/2019 9:35:11 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.709 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055875.D

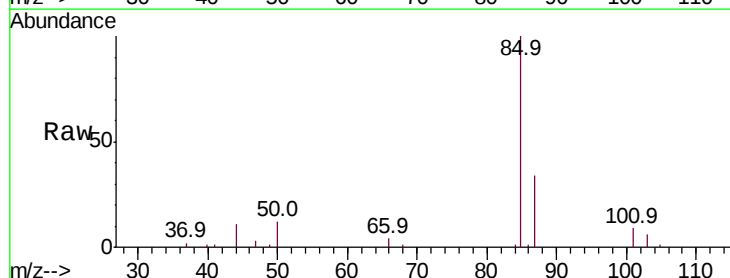
Acq: 29 May 2019 14:08

Tgt Ion: 85 Resp: 45435

Ion Ratio Lower Upper

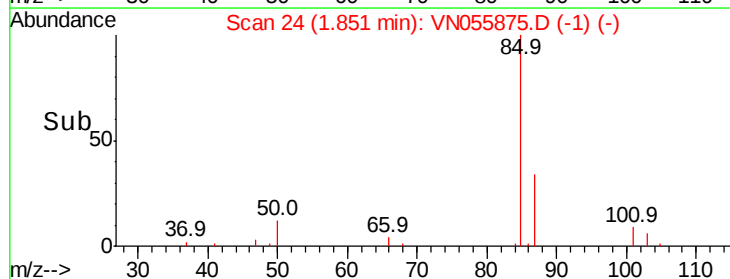
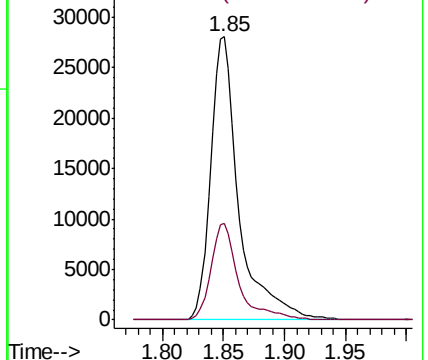
85 100

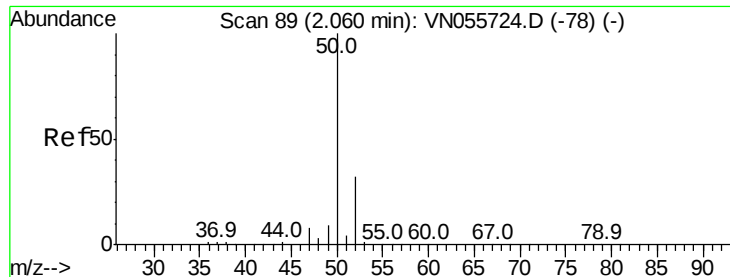
87 33.9 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.098 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 50 Resp: 62514

Ion Ratio Lower Upper

50 100

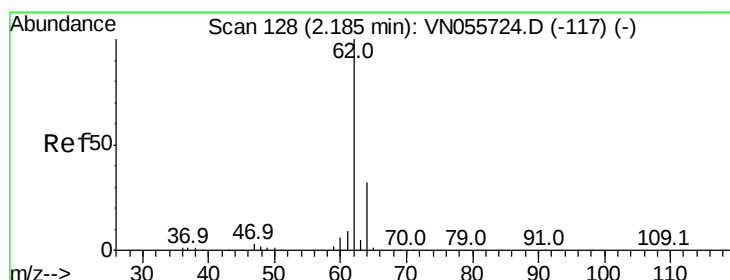
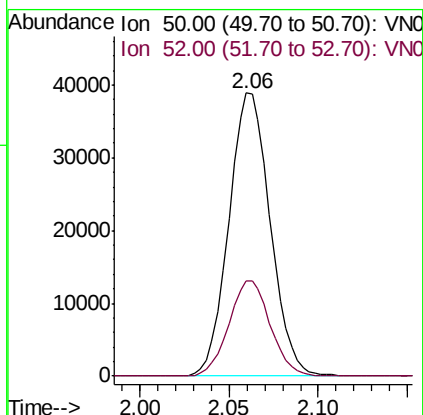
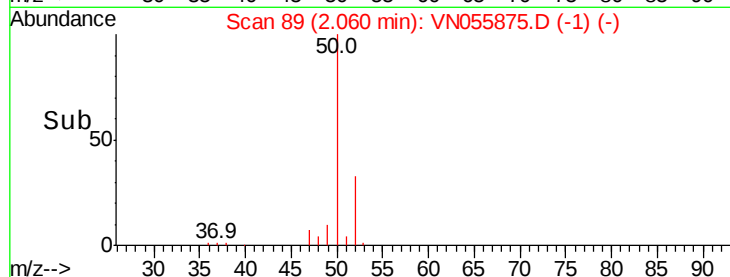
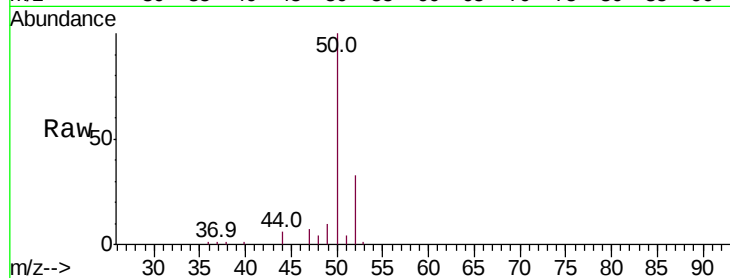
52 33.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.231 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055875.D

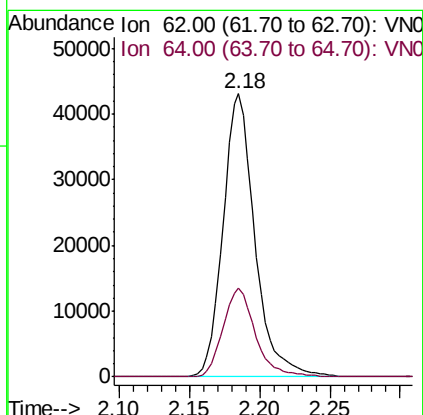
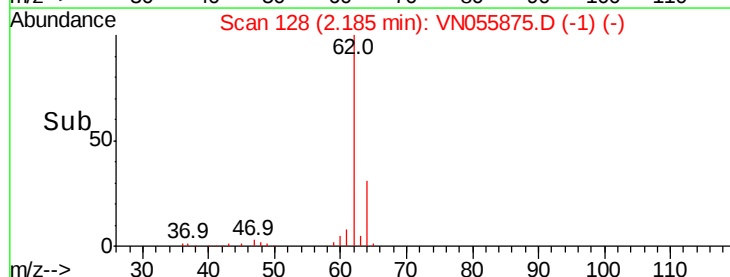
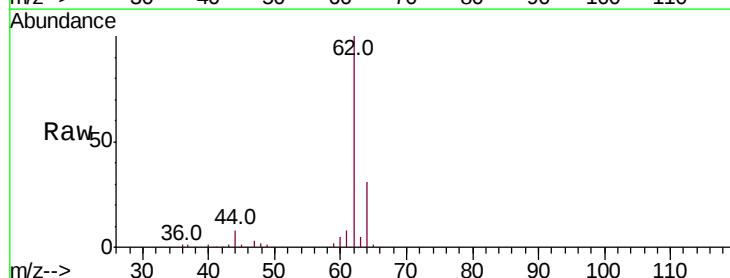
Acq: 29 May 2019 14:08

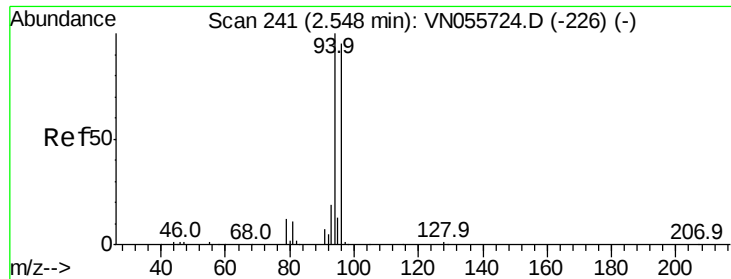
Tgt Ion: 62 Resp: 67798

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 23.528 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

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ClientSampleId :

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Tot Ion: 94 Resp: 48565

Ion Ratio Lower Upper

94 100

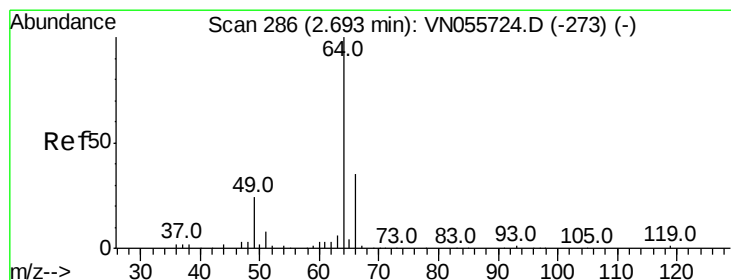
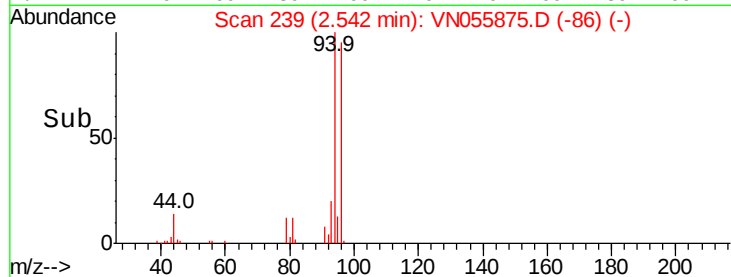
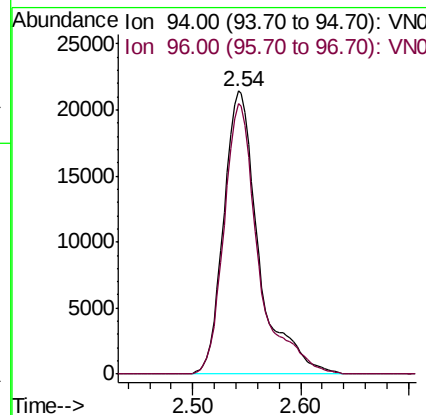
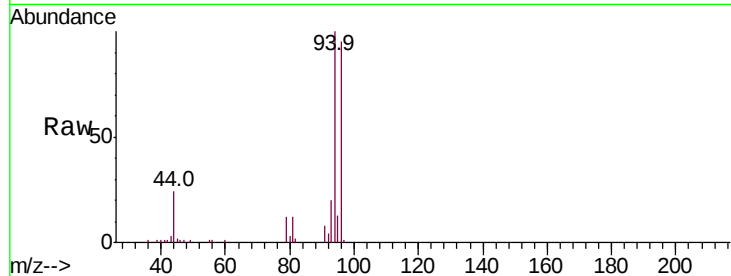
96 95.4 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 20.069 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055875.D

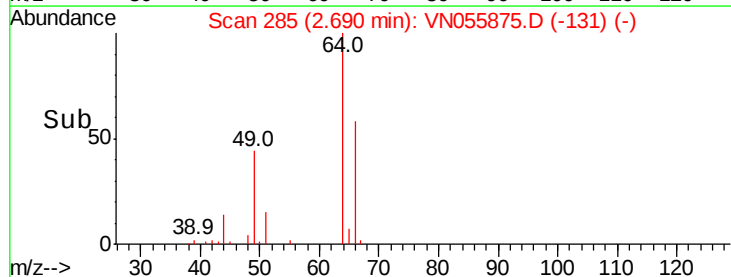
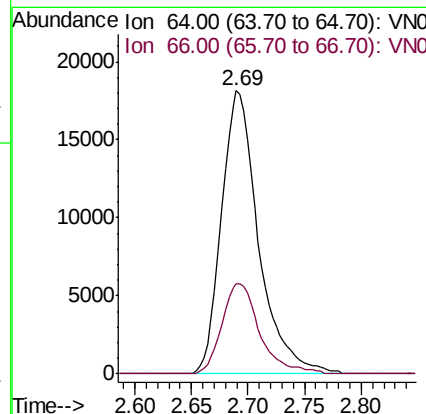
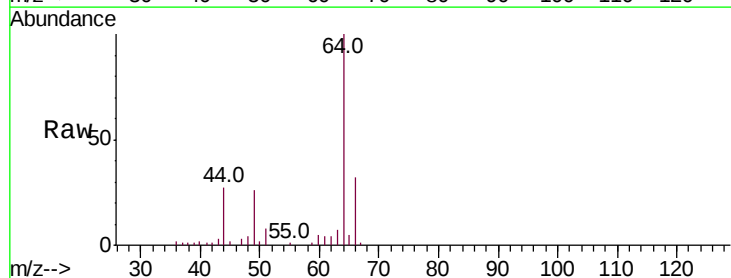
Acq: 29 May 2019 14:08

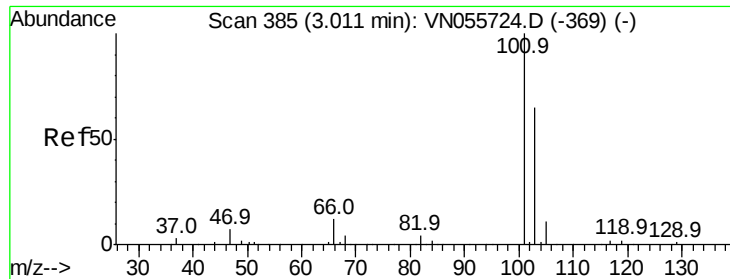
Tgt Ion: 64 Resp: 41334

Ion Ratio Lower Upper

64 100

66 31.8 27.9 41.9





#7

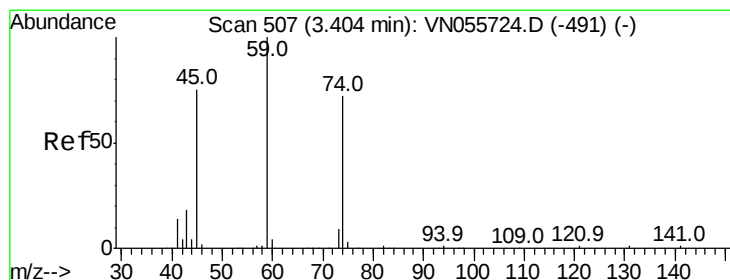
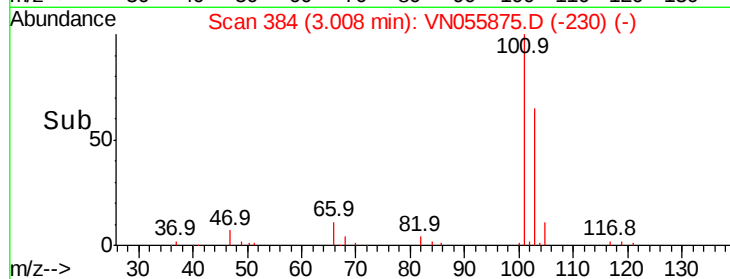
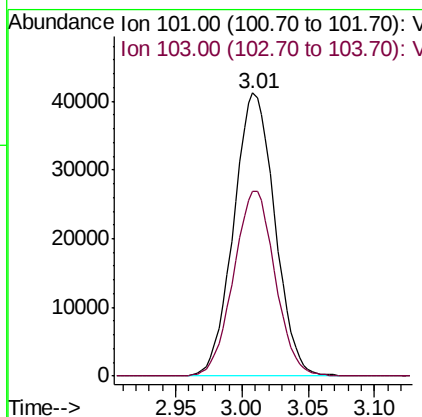
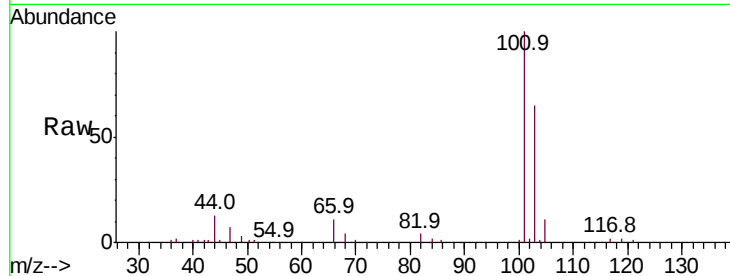
Trichlorofluoromethane
 Concen: 20.106 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.6	78.8

Manual Integrations
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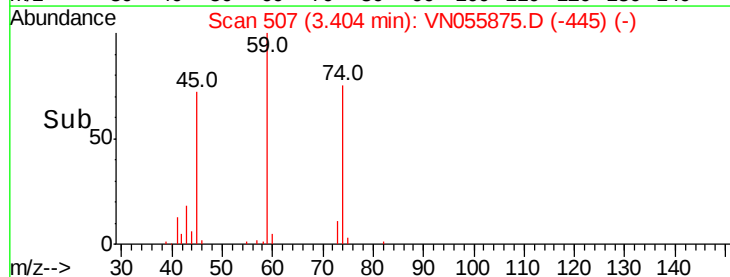
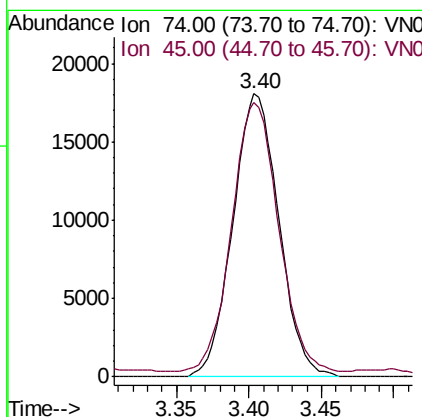
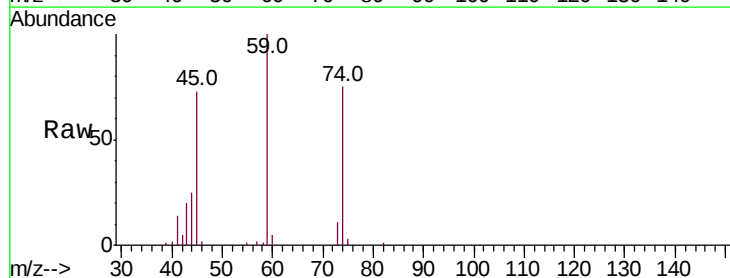
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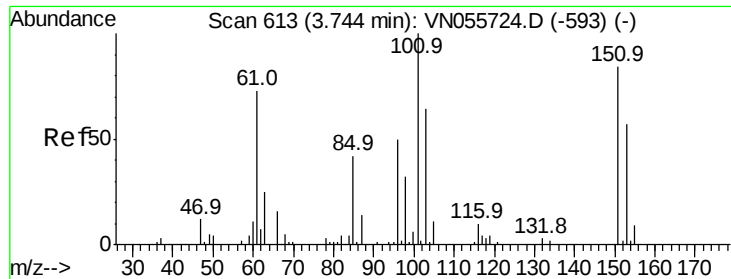


#8

Diethyl Ether
 Concen: 20.475 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	20.4	184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.223 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

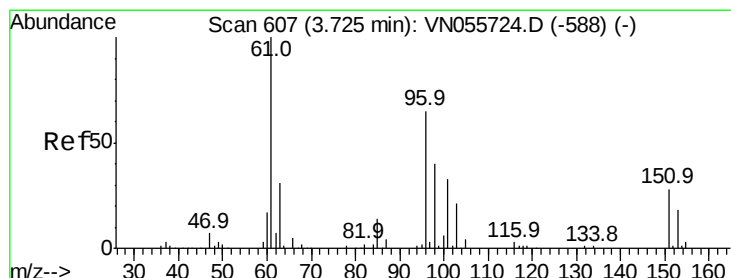
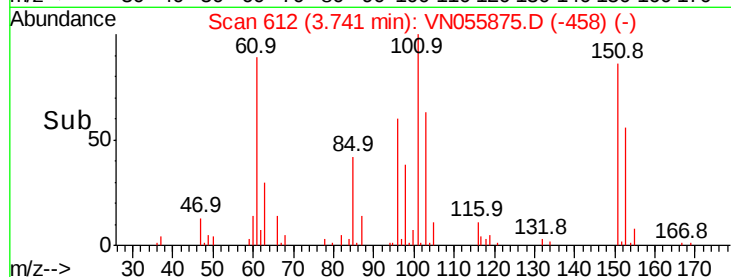
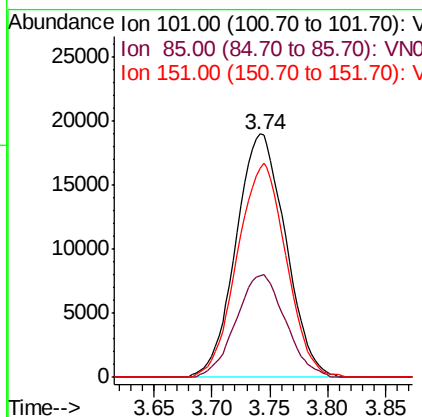
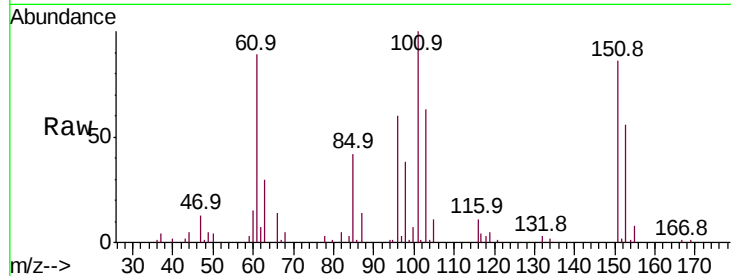
ClientSampleId :

VN0529WBS01

Tot Ion:	101	Resp:	56516
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	86.6
151	86.4	0.0	172.2

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#10

1,1-Dichloroethene

Concen: 19.286 ug/l

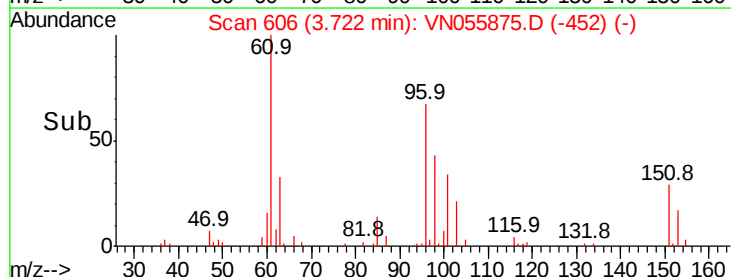
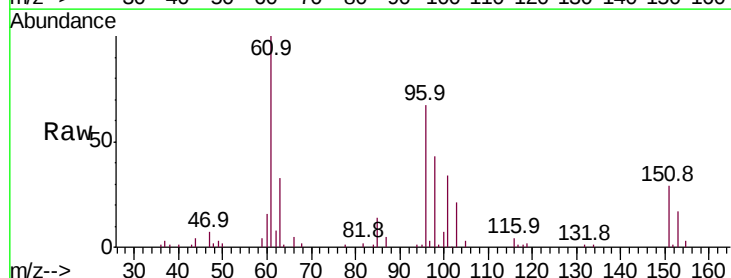
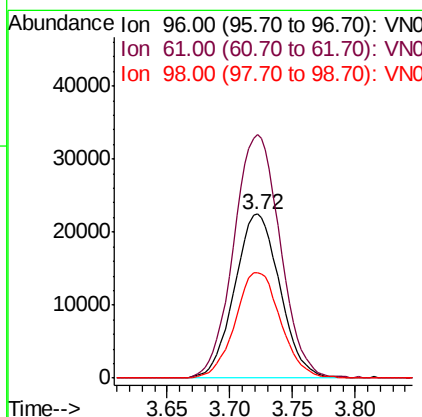
RT: 3.72 min Scan# 606

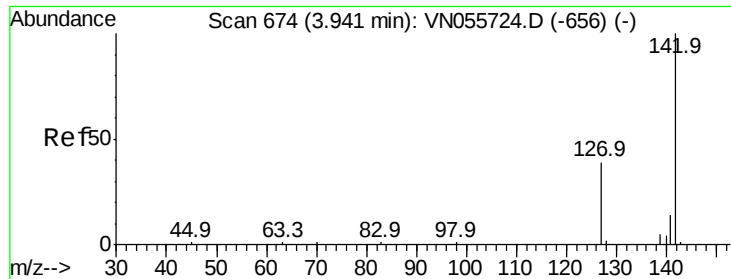
Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Tgt Ion:	96	Resp:	56382
Ion Ratio	Lower	Upper	
96	100		
61	148.6	123.7	185.5
98	64.3	50.0	75.0





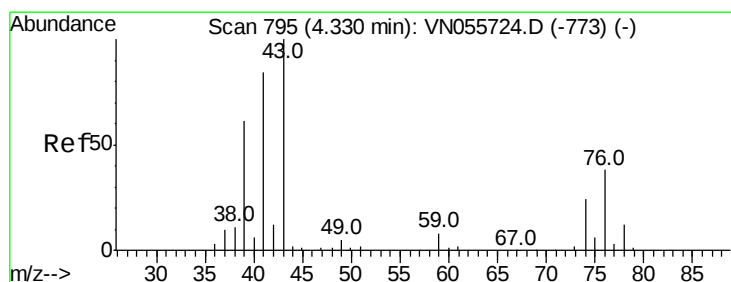
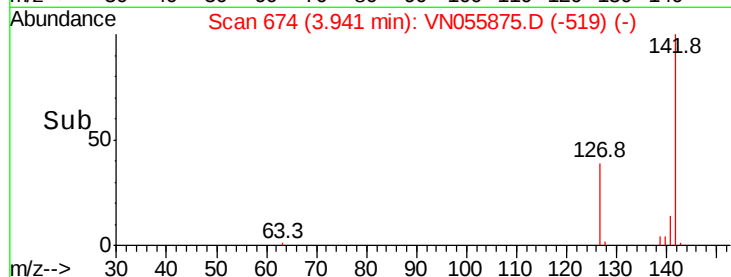
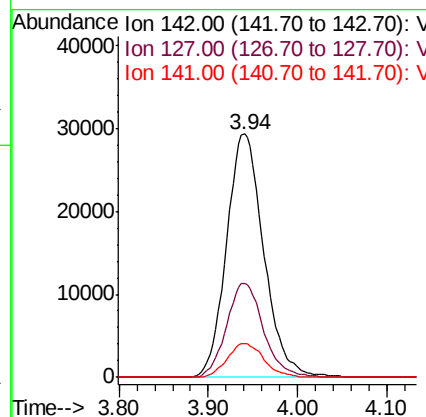
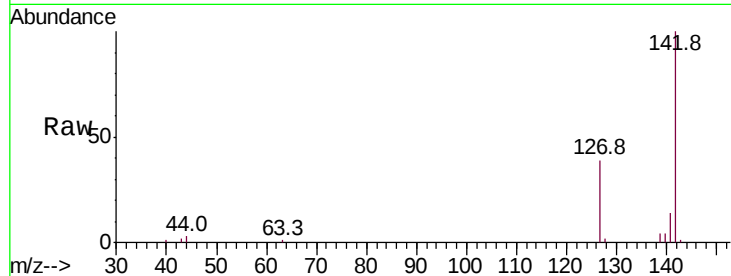
#11
Methyl Iodide
Concen: 20.305 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.6	19.6	58.7
141	13.9	6.9	20.6

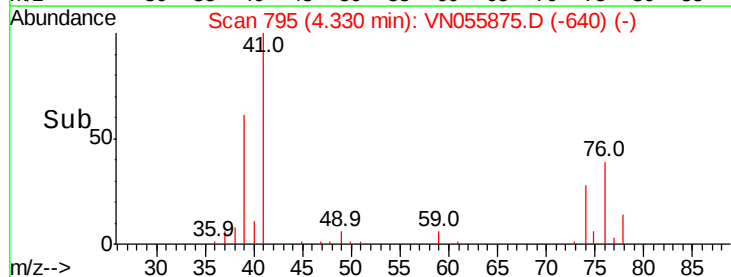
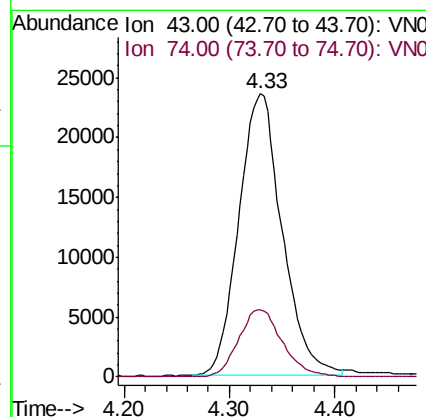
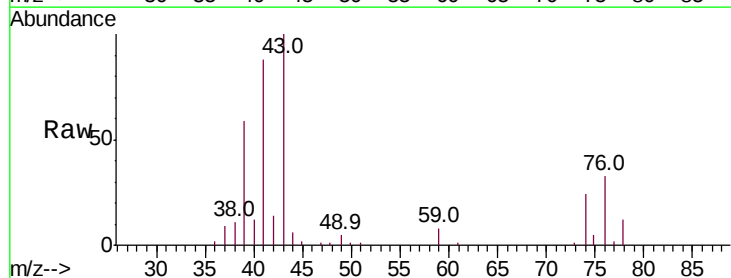
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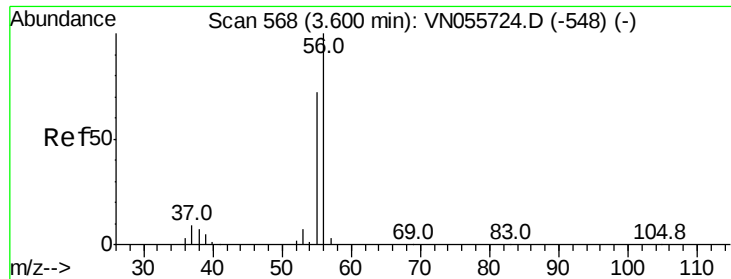
MMDadoda
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#12
Methyl Acetate
Concen: 18.751 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





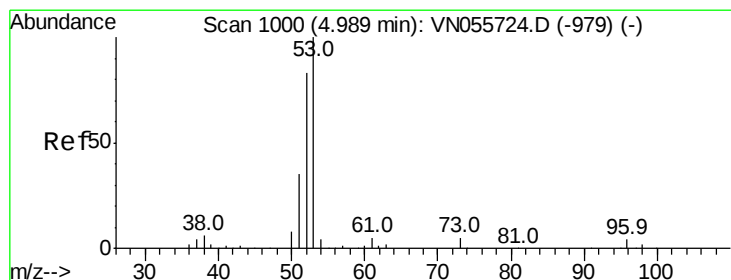
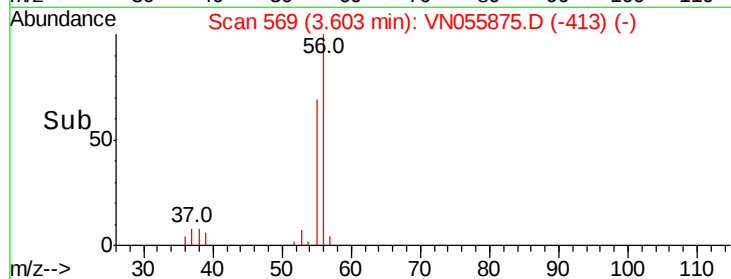
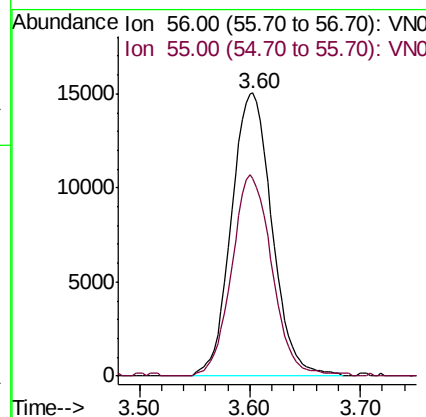
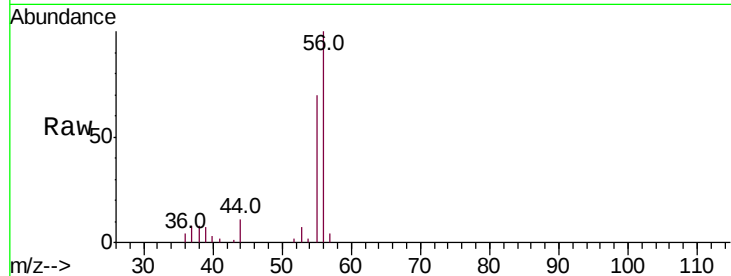
#13
Acrolein
Concen: 77.300 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion: 56 Resp: 38404
Ion Ratio Lower Upper
56 100
55 70.4 57.0 85.6

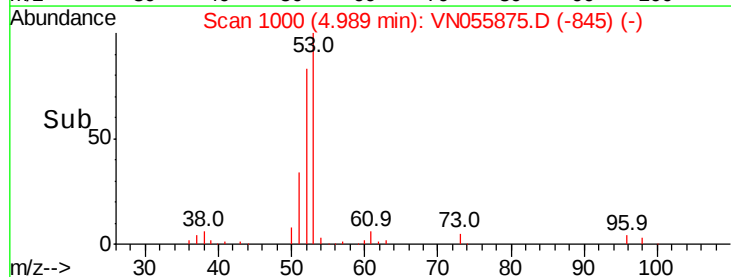
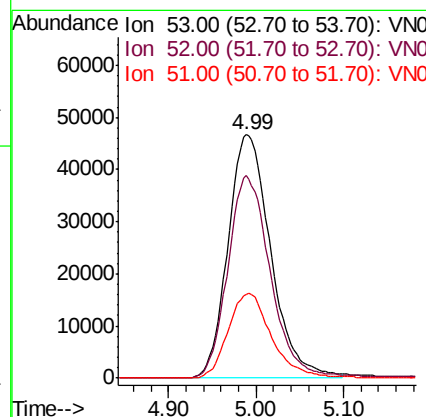
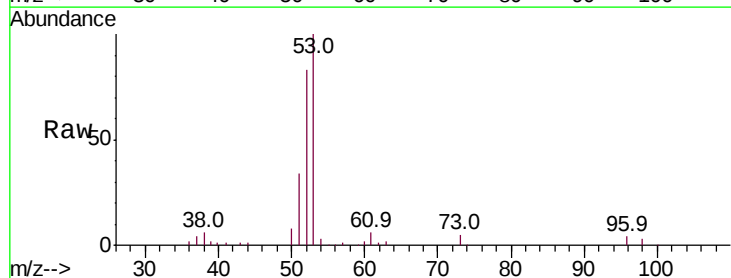
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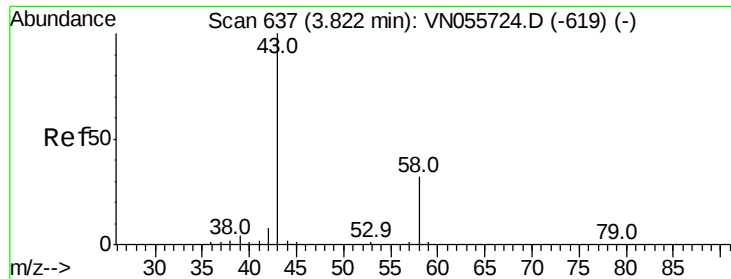
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#14
Acrylonitrile
Concen: 97.164 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 53 Resp: 158392
Ion Ratio Lower Upper
53 100
52 82.8 41.1 123.4
51 35.3 17.5 52.6





#15

Acetone

Concen: 88.522 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 58 Resp: 44816

Ion Ratio Lower Upper

58 100

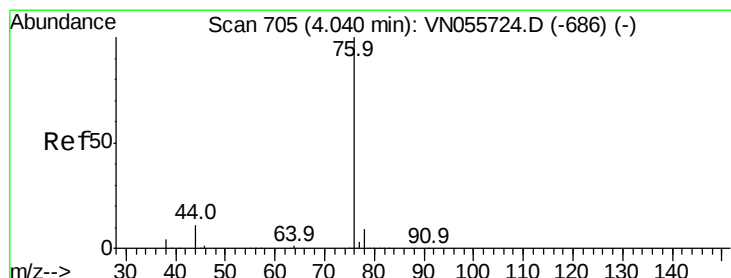
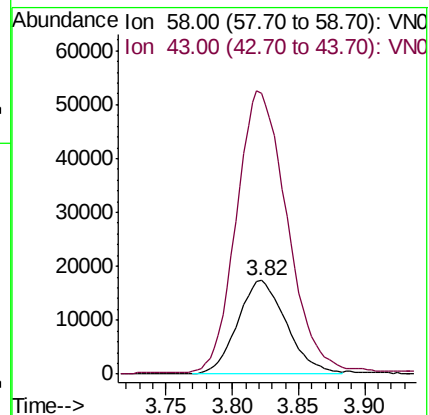
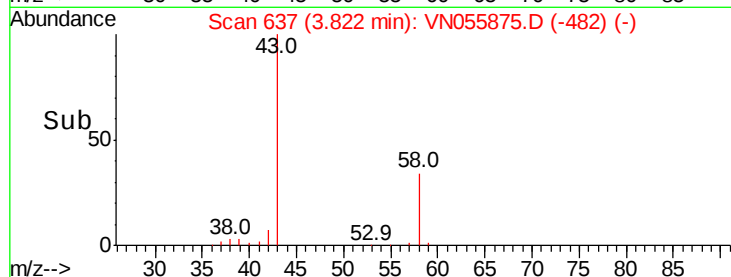
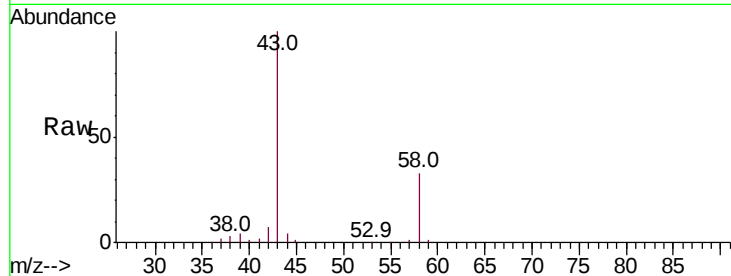
43 296.8 248.8 373.2

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#16

Carbon Disulfide

Concen: 16.613 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055875.D

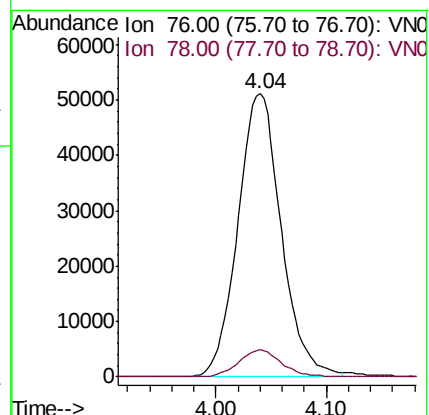
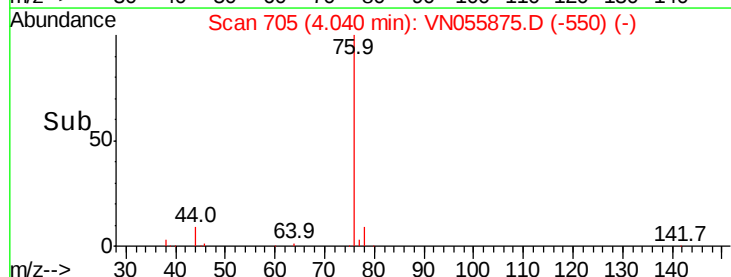
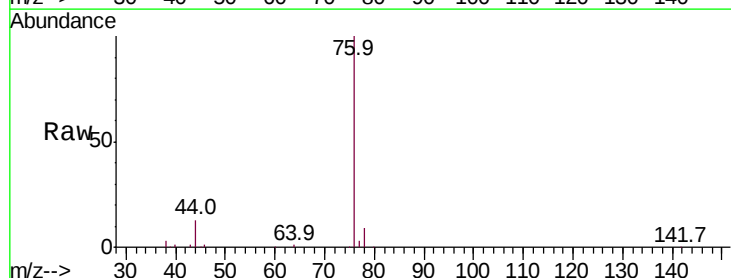
Acq: 29 May 2019 14:08

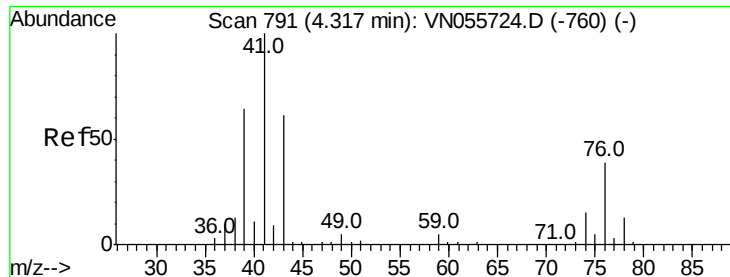
Tgt Ion: 76 Resp: 139250

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0





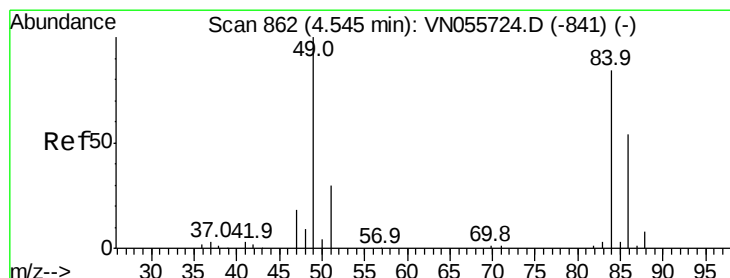
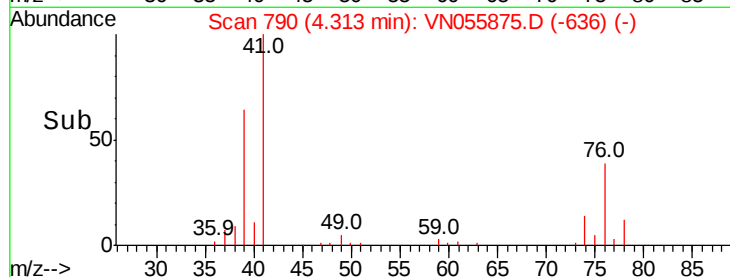
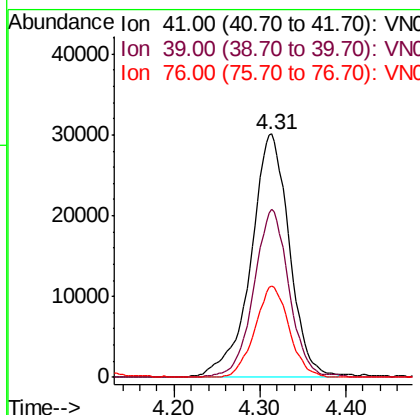
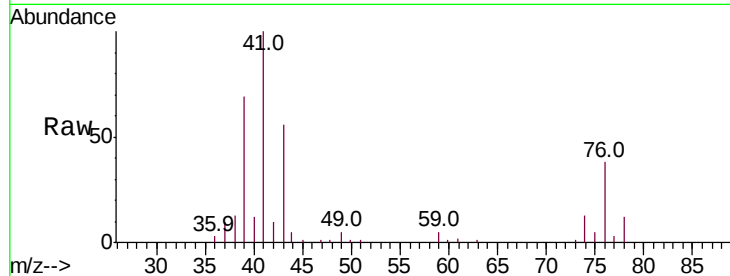
#17
Allvl chloride
Concen: 17.773 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.0	31.8	95.3
76	37.7	19.3	57.9

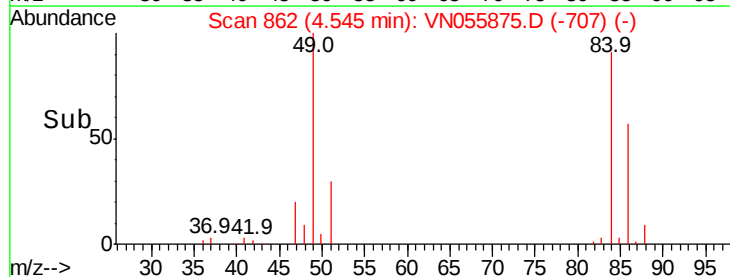
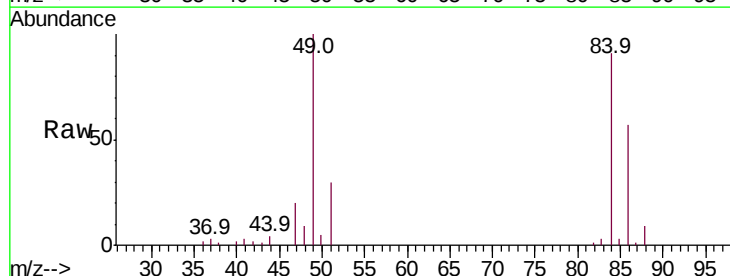
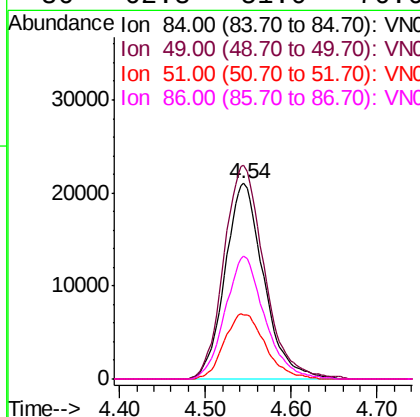
Manual Integrations
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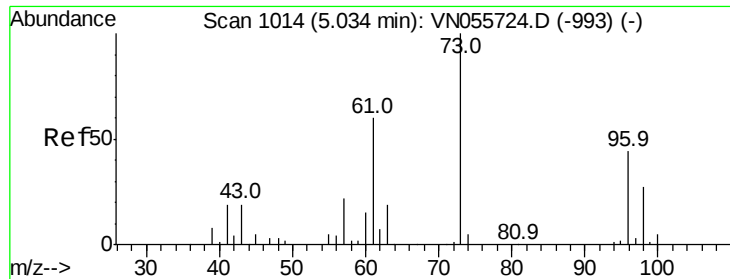
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#18
Methylene Chloride
Concen: 19.664 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.4	94.7	142.1
51	33.0	28.6	43.0
86	62.8	51.0	76.6





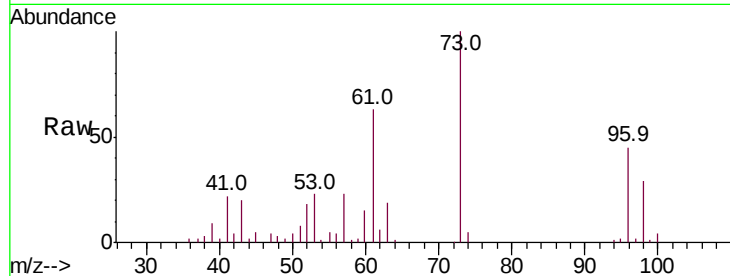
#19
trans-1,2-Dichloroethene
Concen: 19.311 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	108.5	162.7
98	65.4	49.4	74.2

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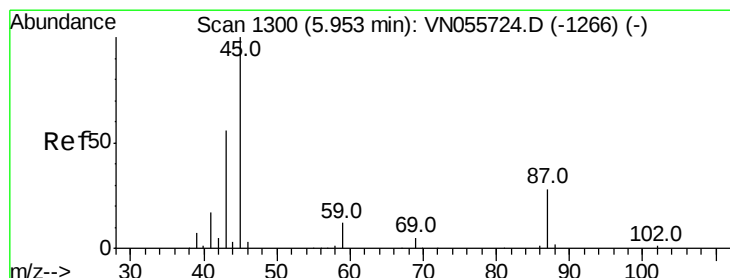
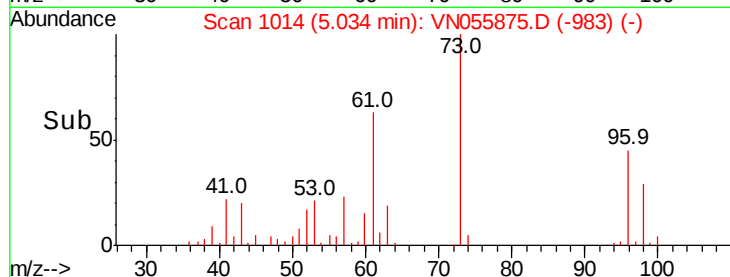
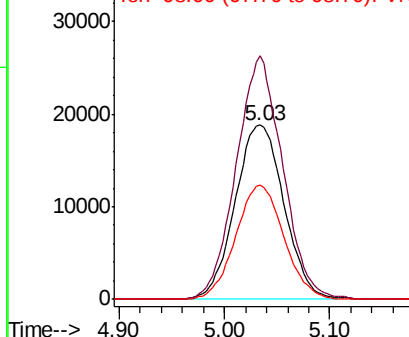


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 18.736 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.6	73.0
87	27.6	22.6	34.0
59	11.4	9.4	14.2

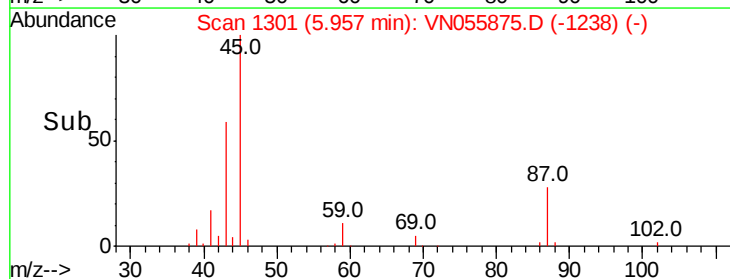
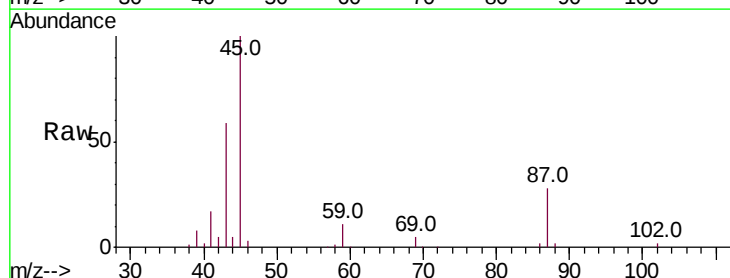
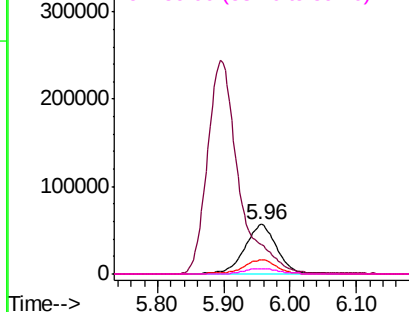
Abundance

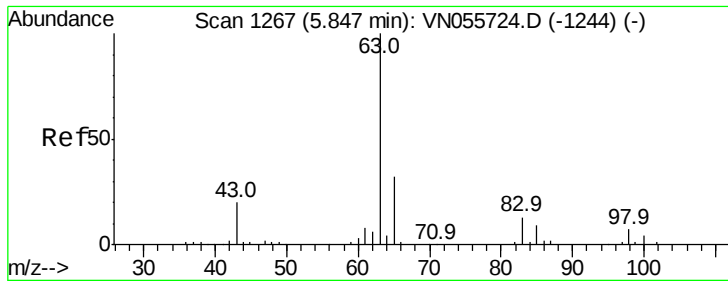
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#21

1,1-Dichloroethane

Concen: 19.056 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

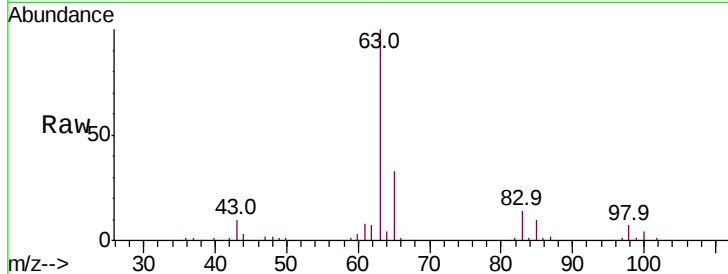
ClientSampleId :

VN0529WBS01

Tot Ion:	63	Resp:	110005
Ion Ratio	Lower	Upper	
63	100		
98	7.2	3.4	10.2
100	4.4	2.2	6.6

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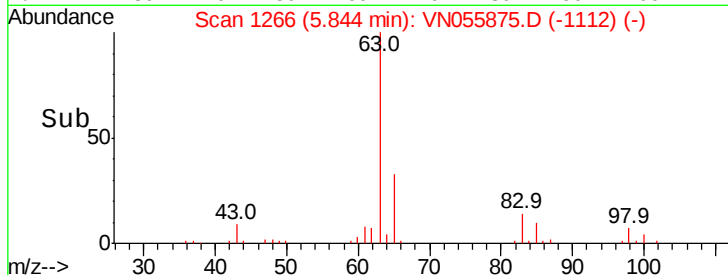


Abundance Ion 63.00 (62.70 to 63.70): VN055875.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN055875.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN055875.D (-1112) (-)

Time--> 5.70 5.80 5.90

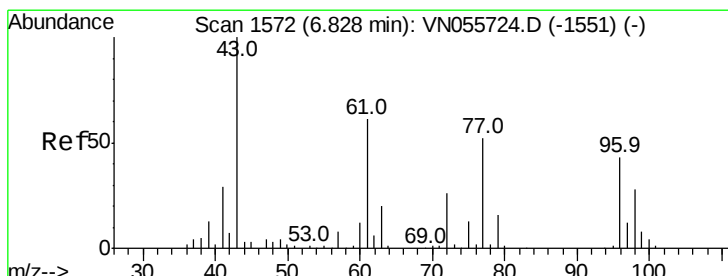


Abundance Ion 63.00 (62.70 to 63.70): VN055875.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN055875.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN055875.D (-1112) (-)

Time--> 5.70 5.80 5.90



#22

cis-1,2-Dichloroethene

Concen: 19.814 ug/l

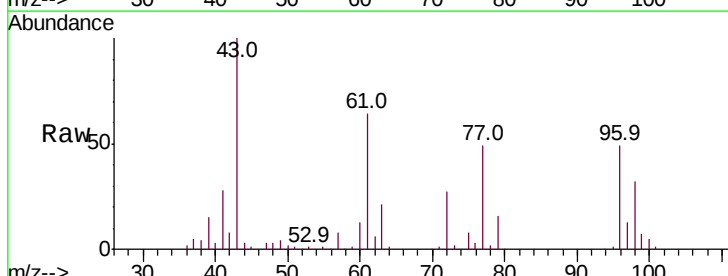
RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Tgt Ion:	96	Resp:	72676
Ion Ratio	Lower	Upper	
96	100		
61	133.8	115.7	173.5
98	64.3	51.5	77.3

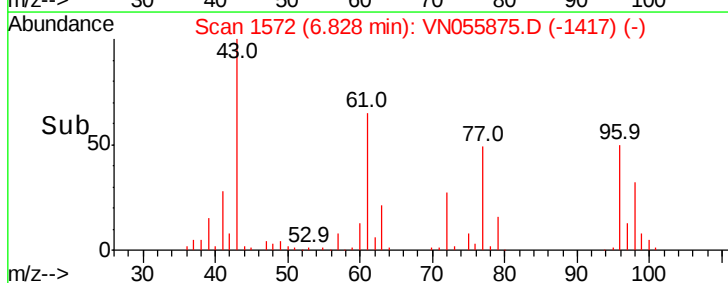


Abundance Ion 96.00 (95.70 to 96.70): VN055875.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN055875.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN055875.D (-1417) (-)

Time--> 6.70 6.80 6.90

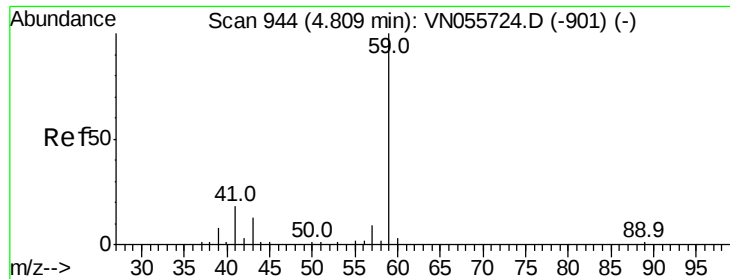


Abundance Ion 96.00 (95.70 to 96.70): VN055875.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN055875.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN055875.D (-1417) (-)

Time--> 6.70 6.80 6.90



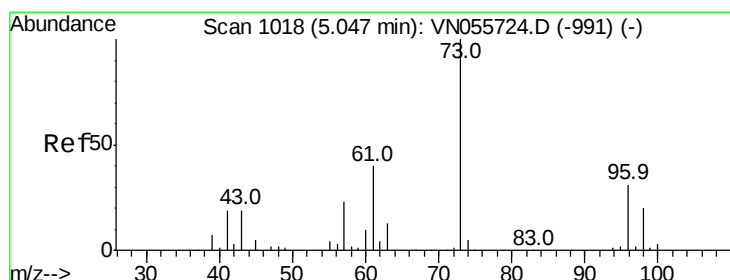
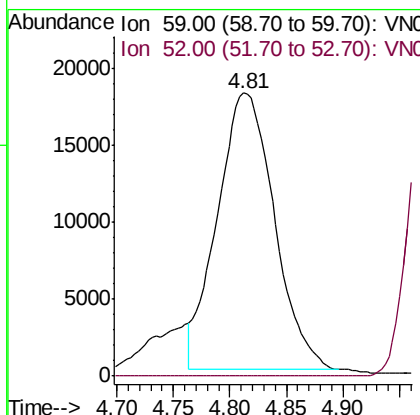
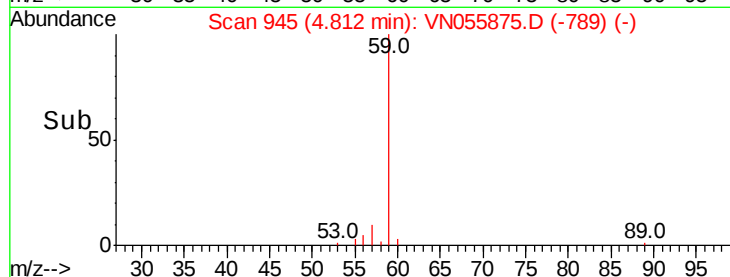
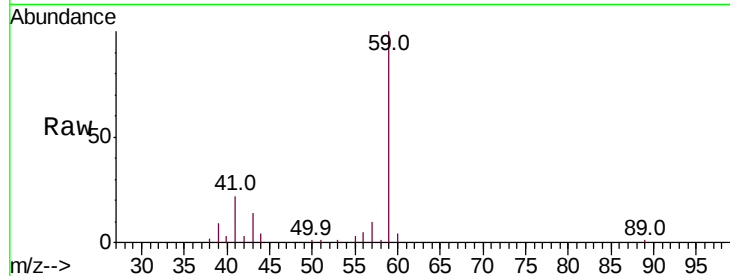
#23
 tert-Butyl Alcohol
 Concen: 87.959 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion: 59 Resp: 62972
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

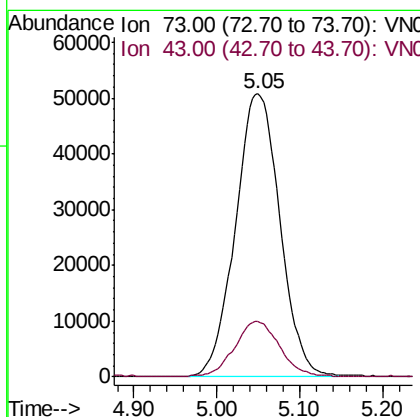
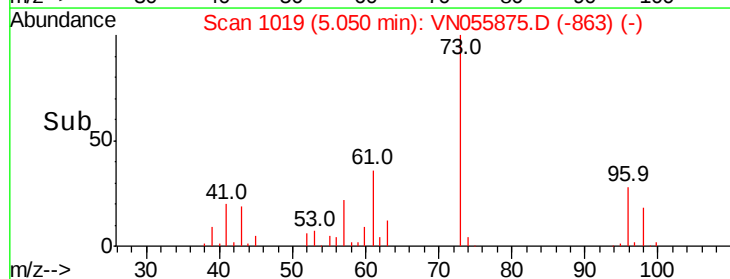
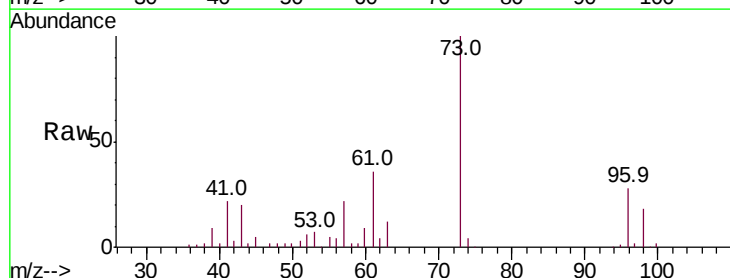
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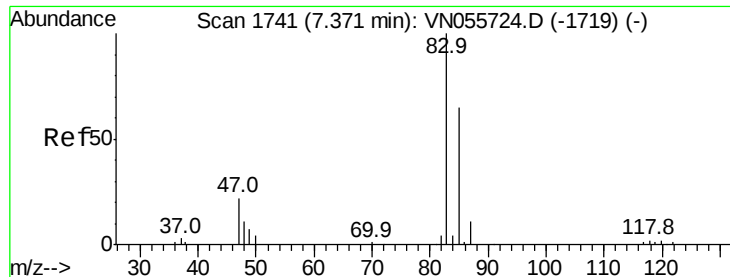
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#24
 Methyl tert-Butyl Ether
 Concen: 19.117 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion: 73 Resp: 189643
 Ion Ratio Lower Upper
 73 100
 43 20.0 15.7 23.5





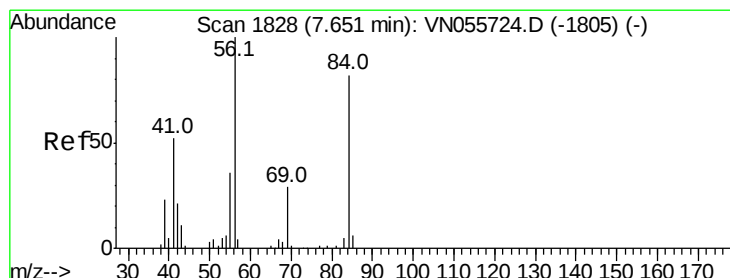
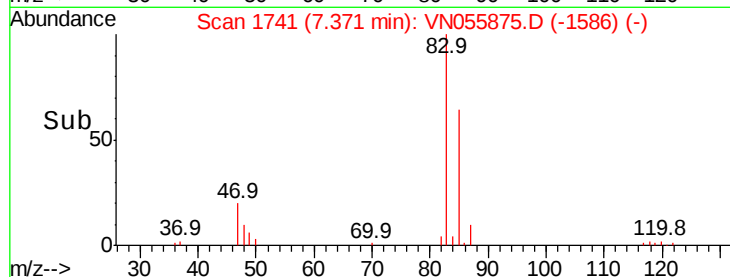
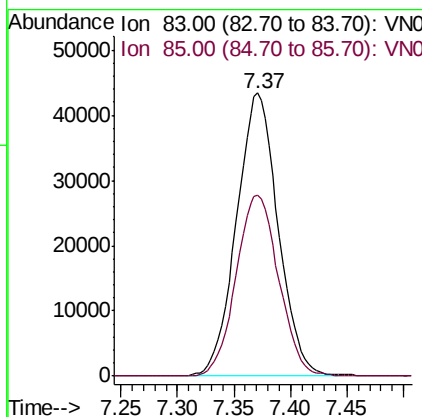
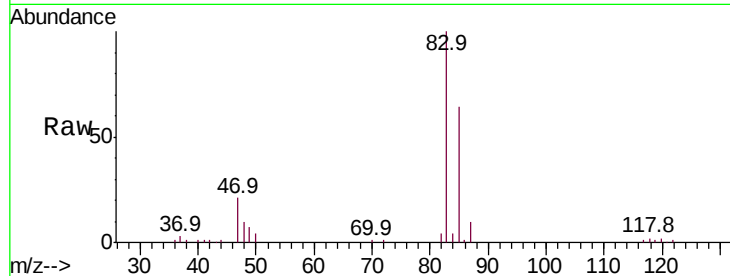
#25
Chloroform
Concen: 19.458 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	83	Resp	110941
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.7	77.5

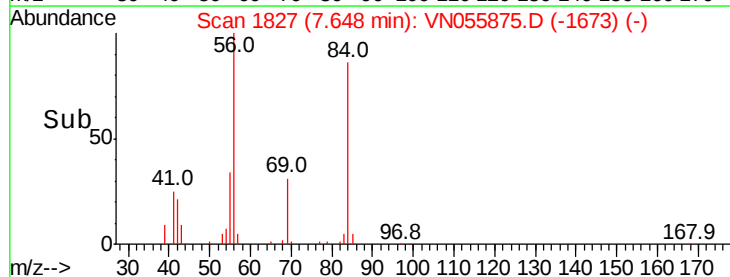
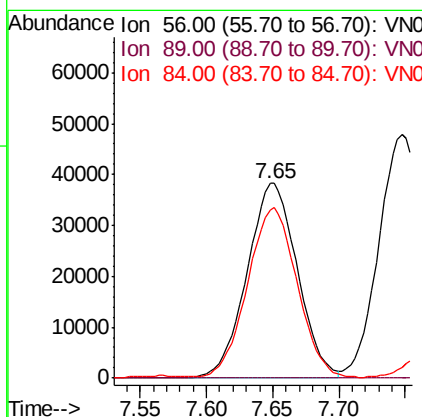
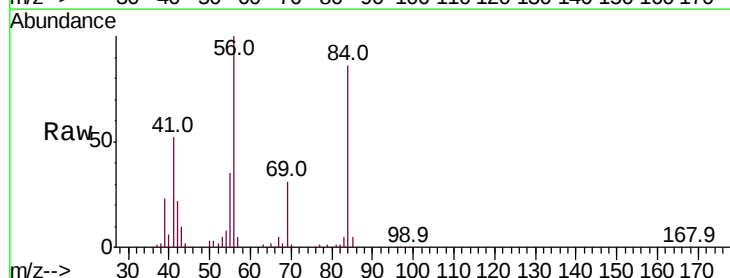
Manual Integrations
APPROVED

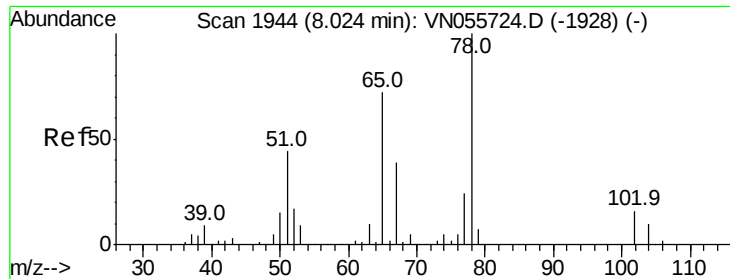
MMDadoda
5/30/2019 9:35:11 AM



#26
Cyclohexane
Concen: 18.933 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	56	Resp	100834
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	85.6	67.2	100.8





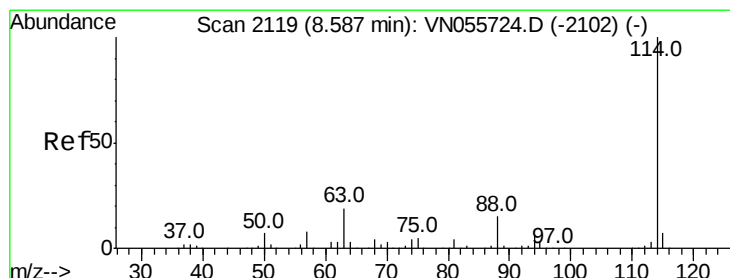
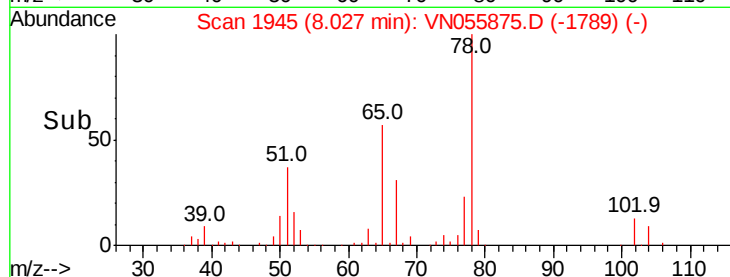
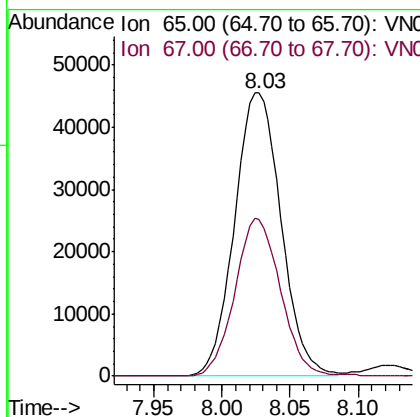
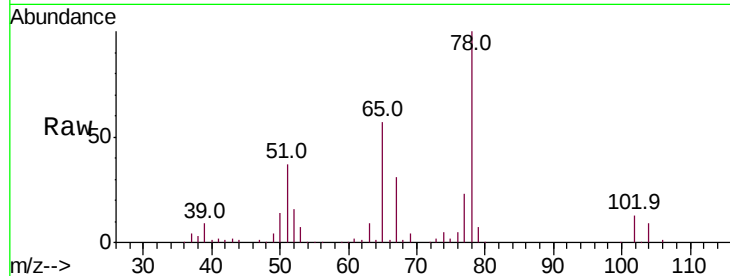
#27
 1,2-Dichloroethane-d4
 Concen: 29.812 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	43.5	65.3

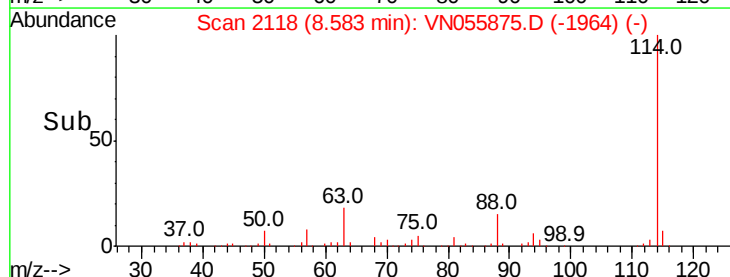
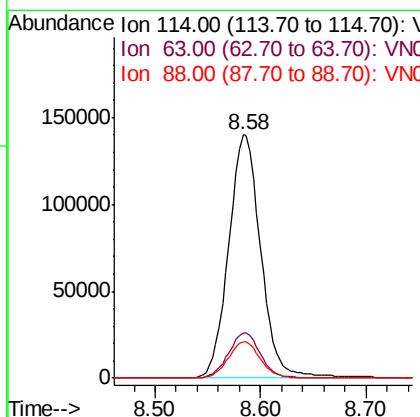
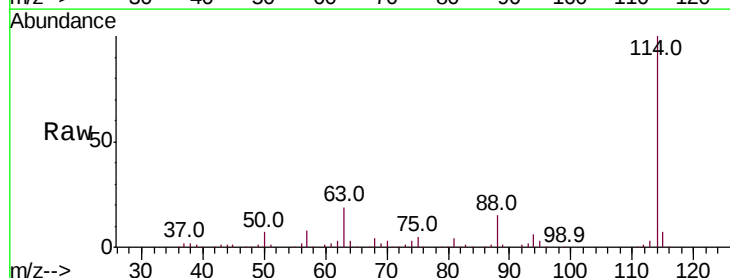
Manual Integrations
 APPROVED

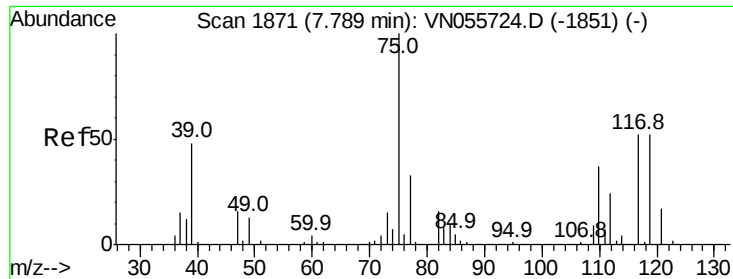
MMDadoda
 5/30/2019 9:35:11 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	15.6	23.4
88	15.1	12.3	18.5





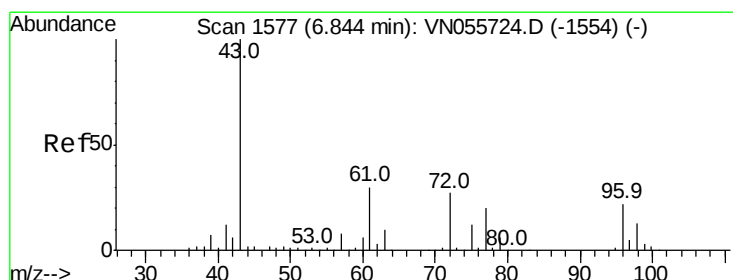
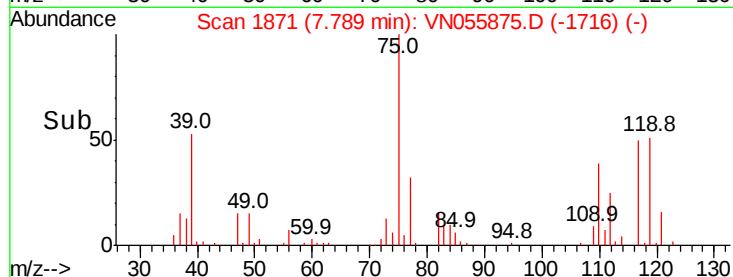
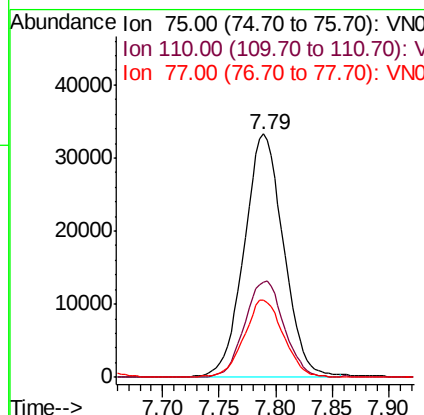
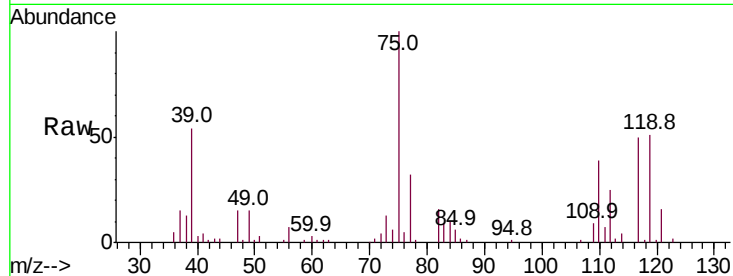
#29
 1,1-Dichloropropene
 Concen: 19.581 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.2	0.0	74.8
77	31.6	0.0	65.2

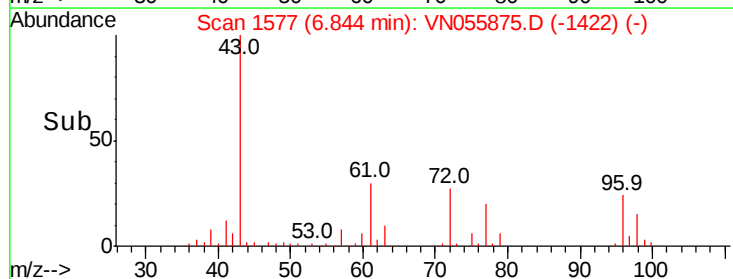
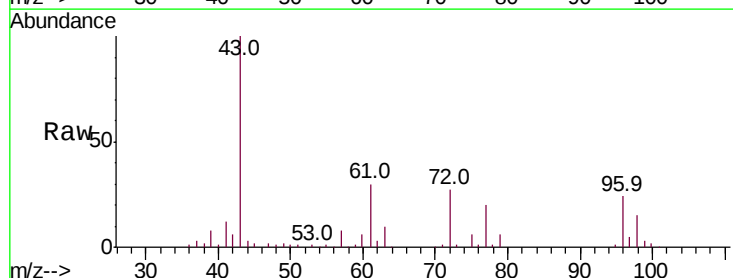
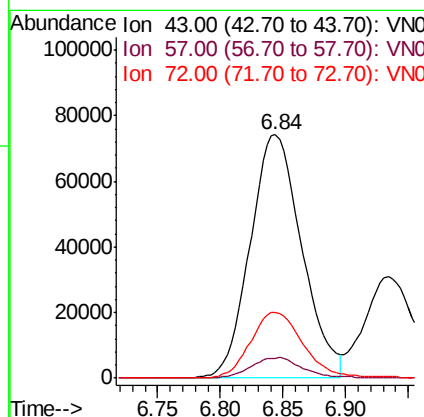
Manual Integrations
 APPROVED

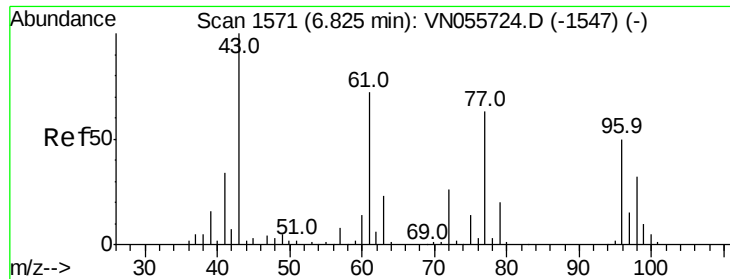
MMDadoda
 5/30/2019 9:35:11 AM



#30
 2-Butanone
 Concen: 96.024 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.6	10.0
72	27.7	21.7	32.5





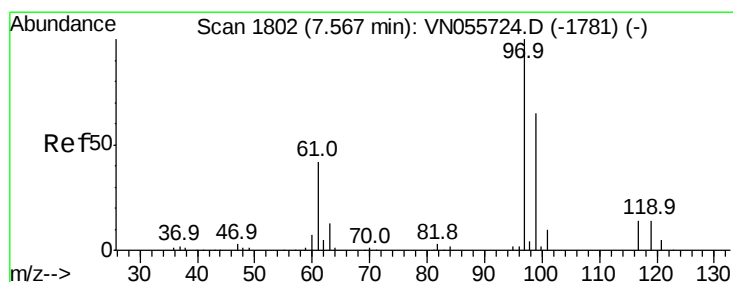
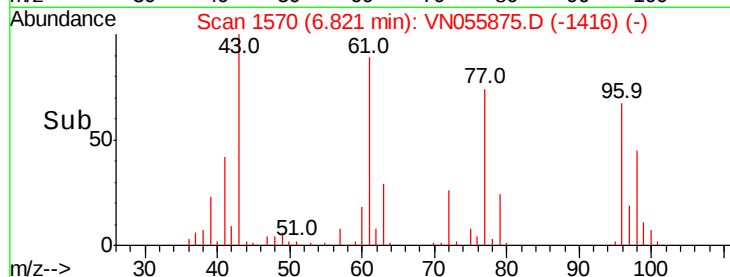
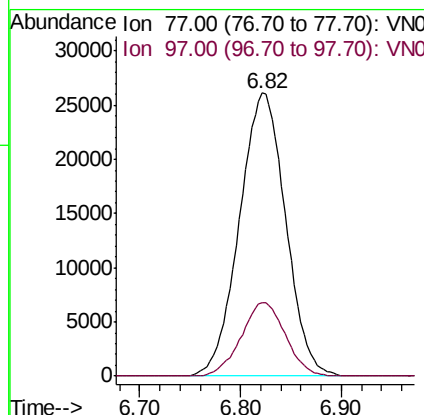
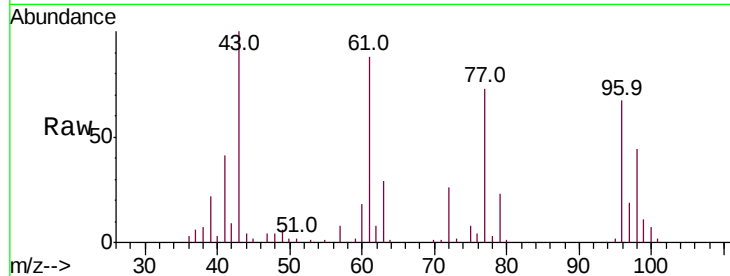
#31
 2,2-Dichloropropane
 Concen: 17.284 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion: 77 Resp: 83050
 Ion Ratio Lower Upper
 77 100
 97 24.9 19.2 28.8

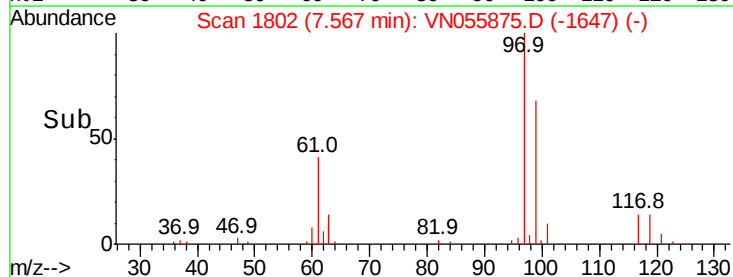
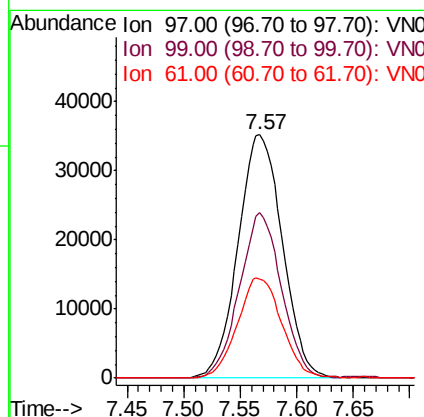
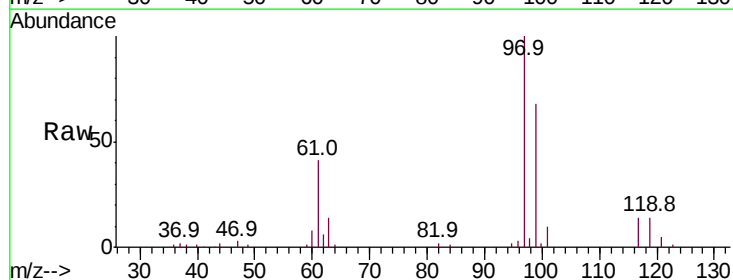
Manual Integrations
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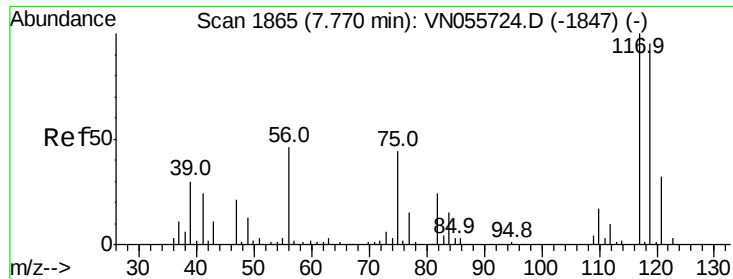
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.649 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion: 97 Resp: 96164
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 41.0 33.1 49.7





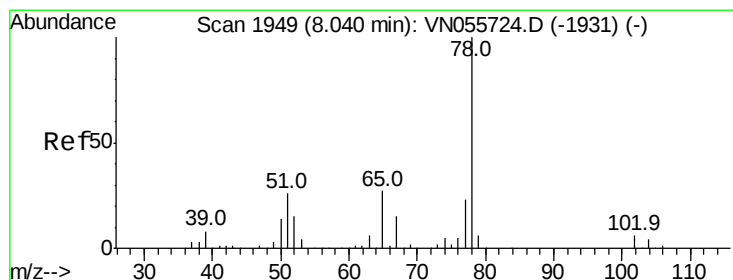
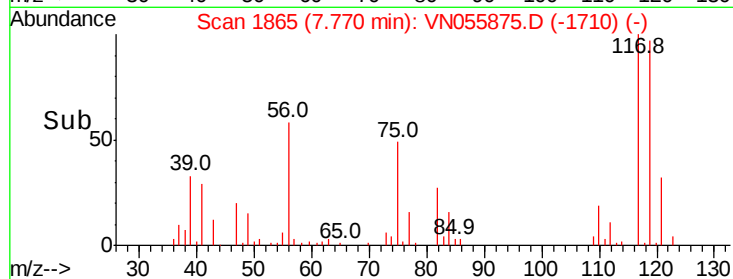
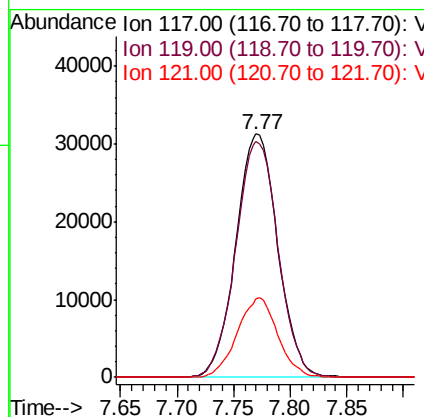
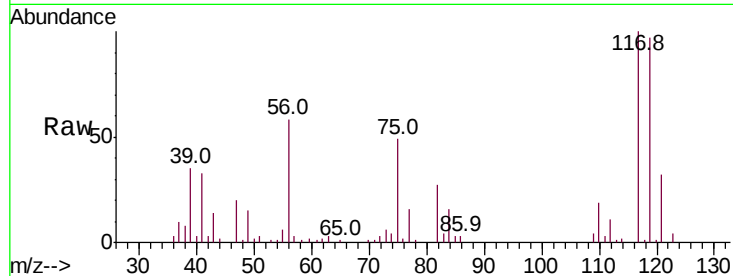
#33
Carbon Tetrachloride
Concen: 18.387 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.8	113.8
121	32.3	25.4	38.0

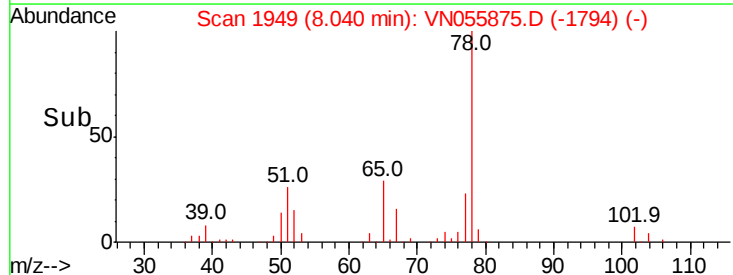
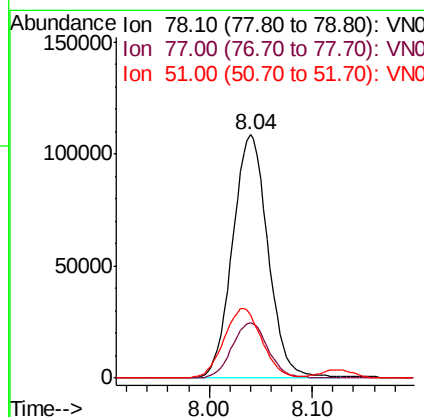
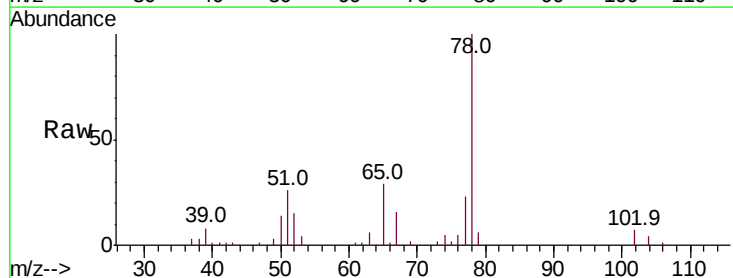
Manual Integrations
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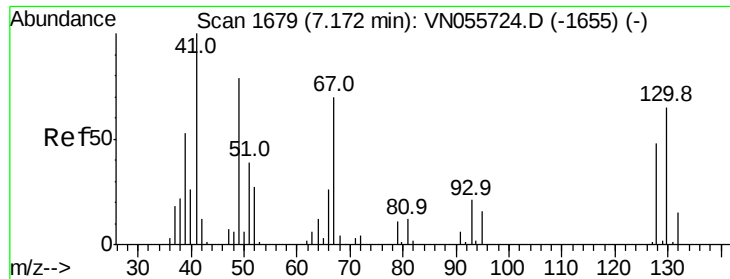
MMDadoda
5/30/2019 9:35:11 AM



#34
Benzene
Concen: 20.393 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2
51	25.9	20.6	31.0





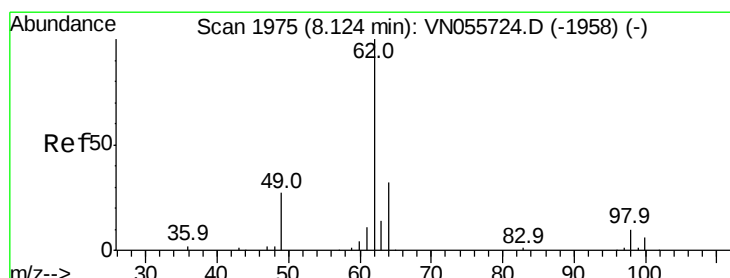
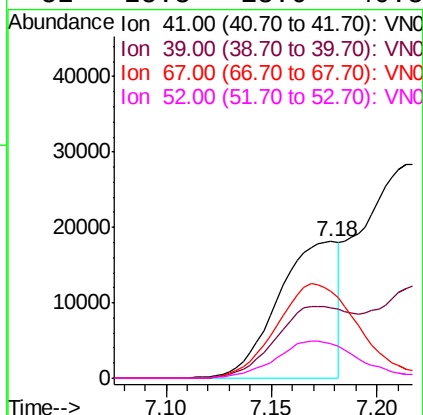
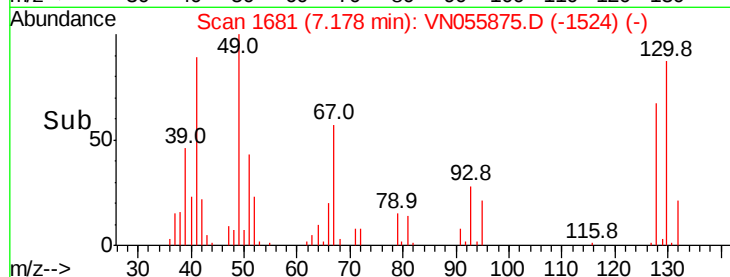
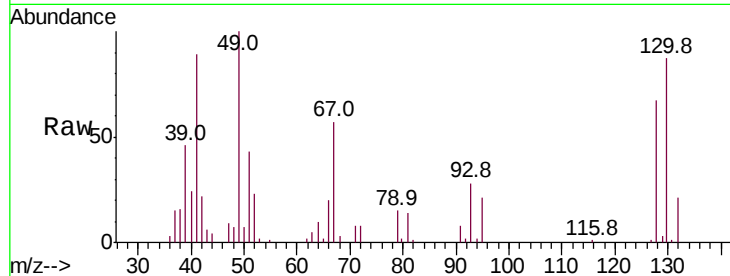
#35
Methacrylonitrile
Concen: 17.802 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	26.7	80.1
67	63.8	34.9	104.7
52	25.3	13.6	40.8

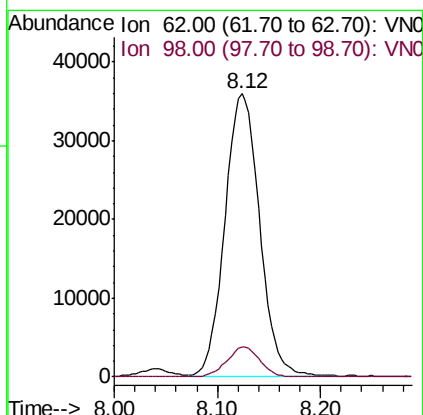
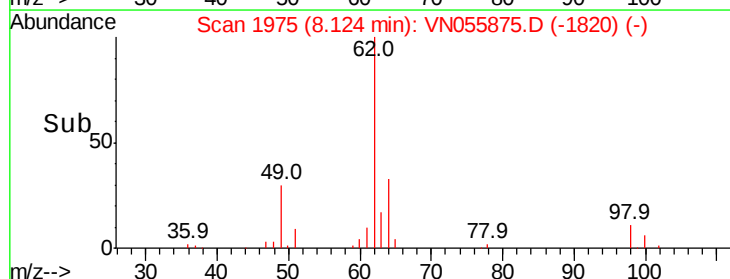
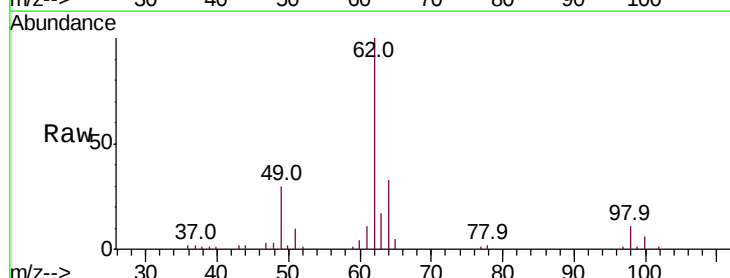
Manual Integrations
APPROVED

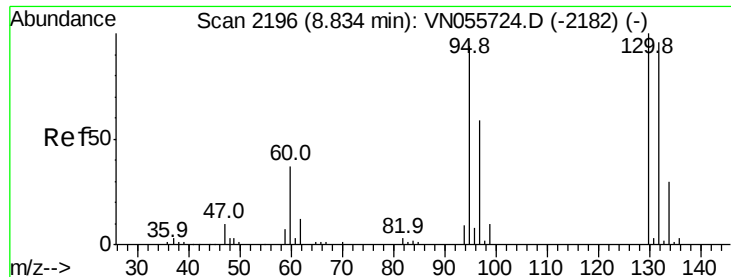
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5/30/2019 9:35:11 AM



#36
1,2-Dichloroethane
Concen: 20.370 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.2	12.2





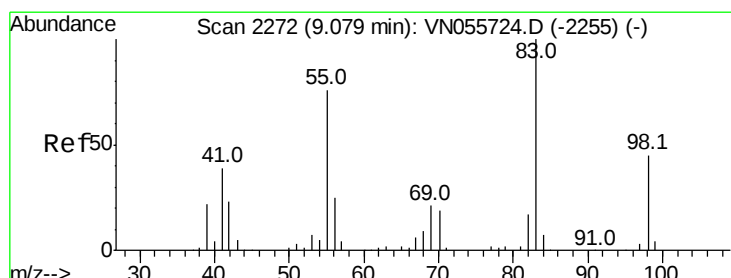
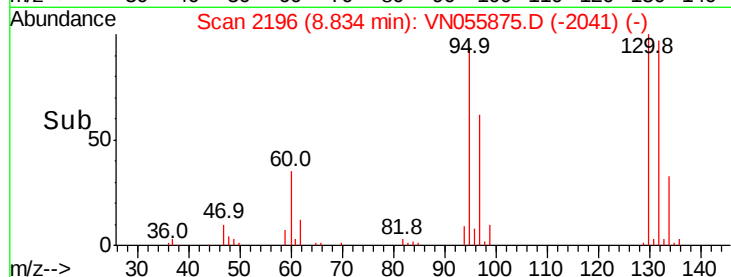
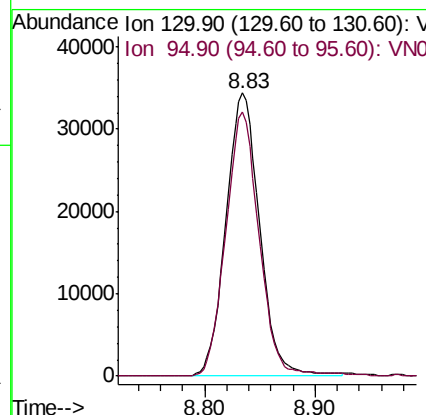
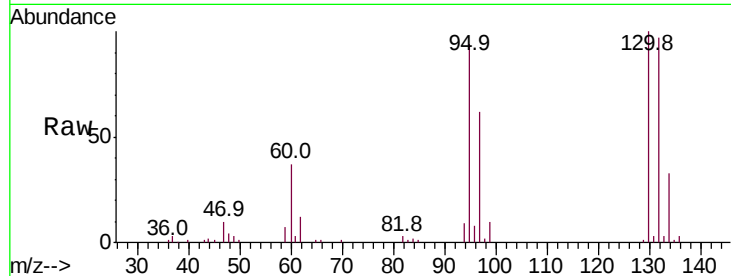
#37
 Trichloroethene
 Concen: 20.481 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion:130 Resp: 72845
 Ion Ratio Lower Upper
 130 100
 95 93.5 75.6 113.4

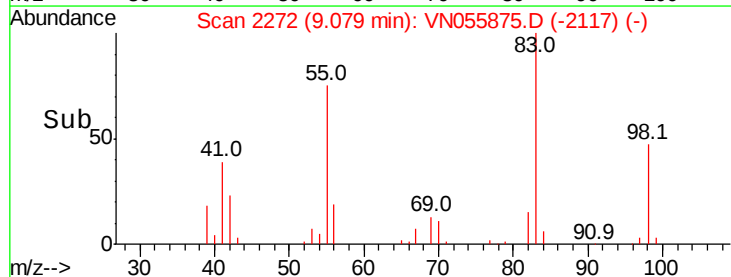
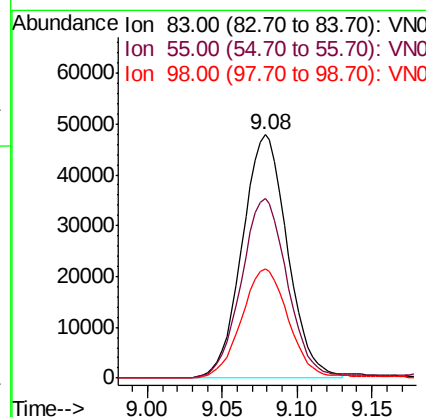
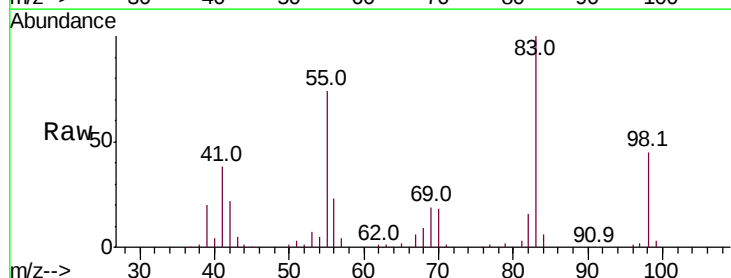
Manual Integrations
 APPROVED

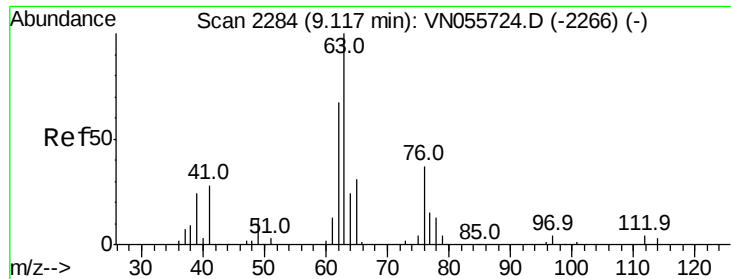
MMDadoda
 5/30/2019 9:35:11 AM



#38
 Methylcyclohexane
 Concen: 19.280 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion: 83 Resp: 100863
 Ion Ratio Lower Upper
 83 100
 55 75.2 37.8 113.4
 98 46.6 22.6 67.8





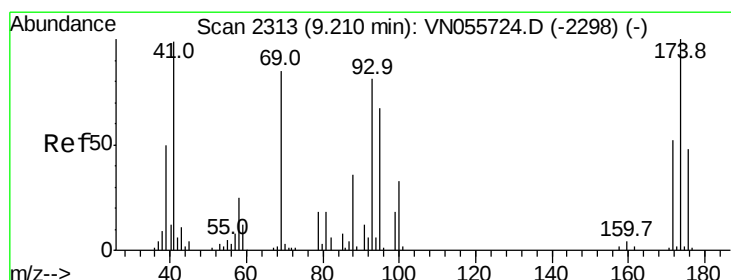
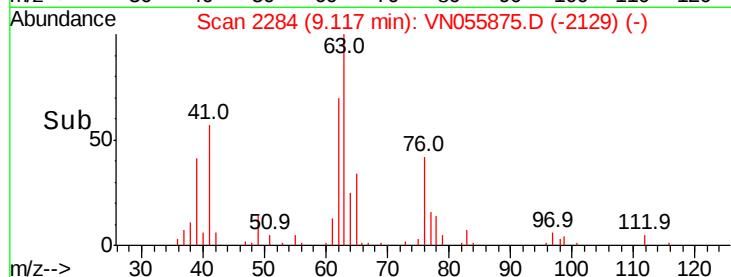
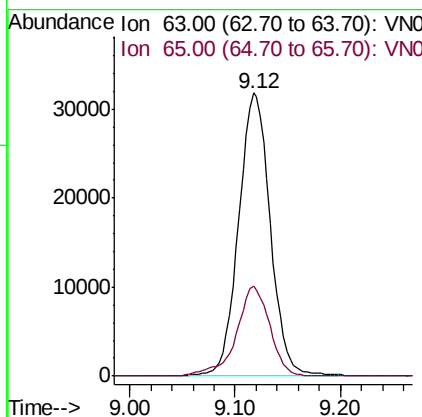
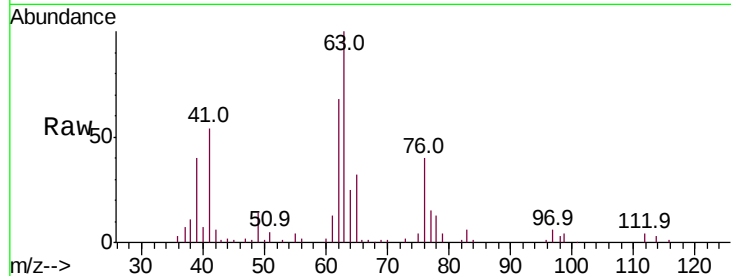
#39
 1,2-Dichloropropane
 Concen: 19.388 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion: 63 Resp: 66443
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.8 38.8

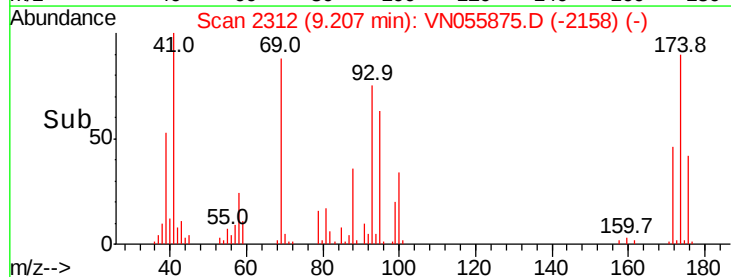
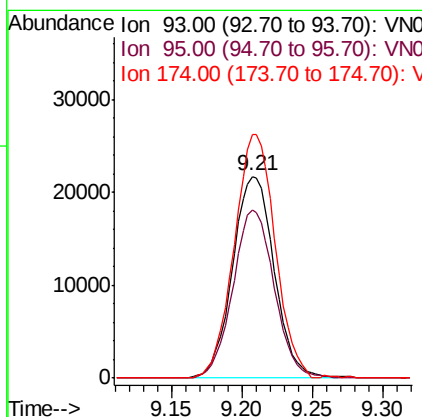
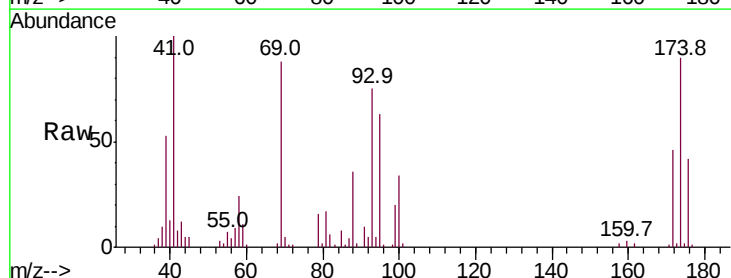
Manual Integrations
 APPROVED

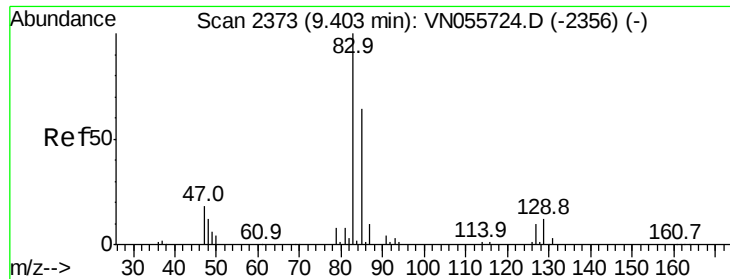
MMDadoda
 5/30/2019 9:35:11 AM



#40
 Dibromomethane
 Concen: 20.305 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion: 93 Resp: 44932
 Ion Ratio Lower Upper
 93 100
 95 82.5 0.0 170.6
 174 118.6 0.0 248.4





#41

Bromodichloromethane

Concen: 18.214 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

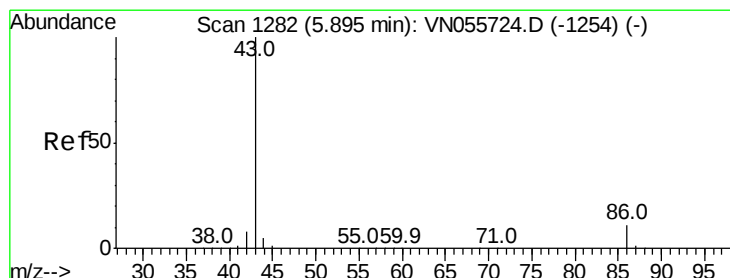
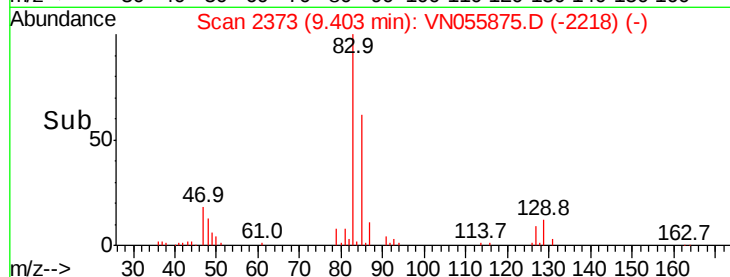
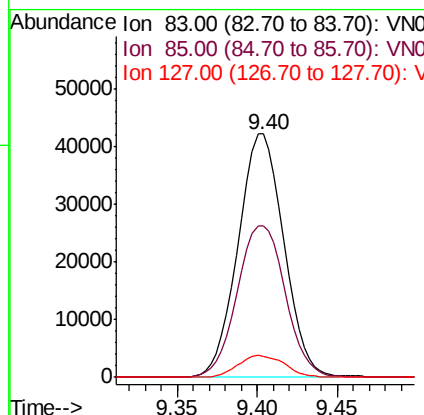
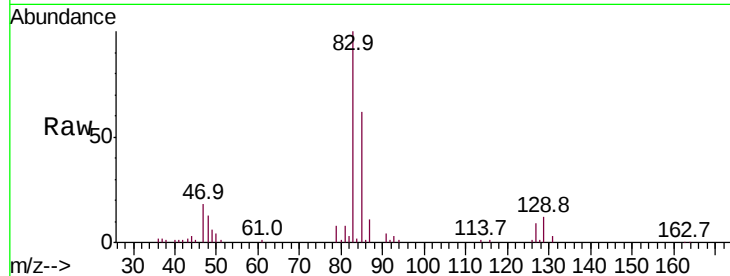
ClientSampleId :

VN0529WBS01

Tot Ion:	83	Resp:	82605
Ion Ratio	Lower	Upper	
83	100		
85	62.3	51.4	77.0
127	9.7	7.7	11.5

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#42

Vinyl Acetate

Concen: 94.215 ug/l

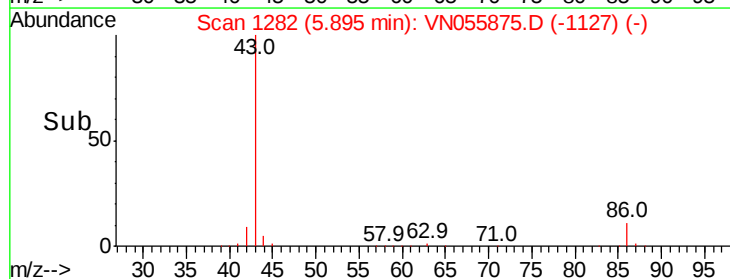
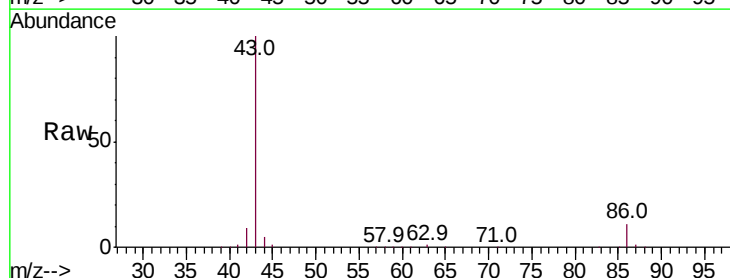
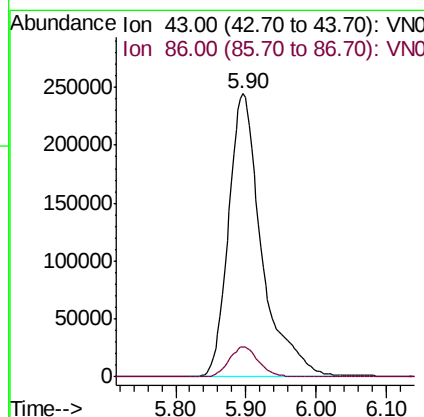
RT: 5.90 min Scan# 1282

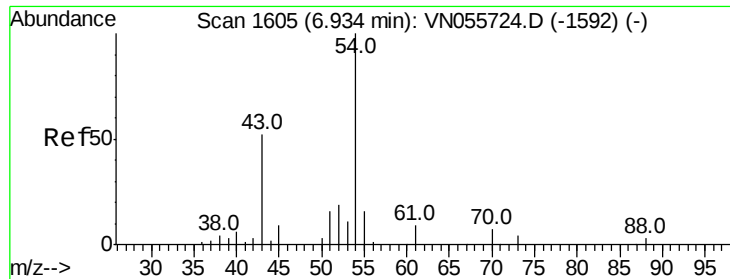
Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Tgt Ion:	43	Resp:	805040
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.4	11.2





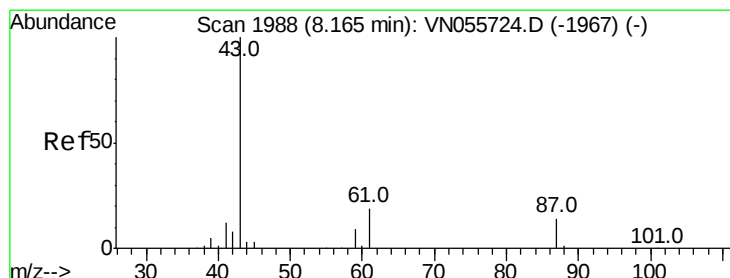
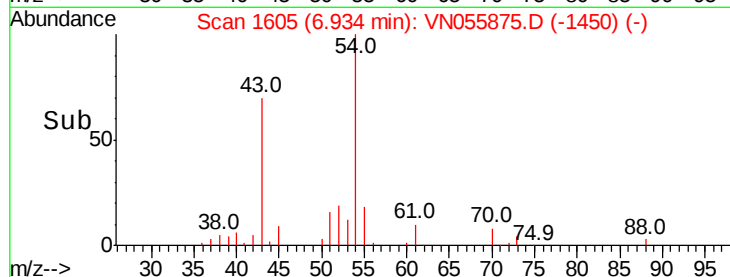
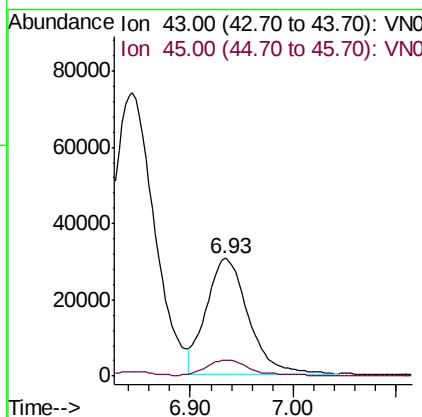
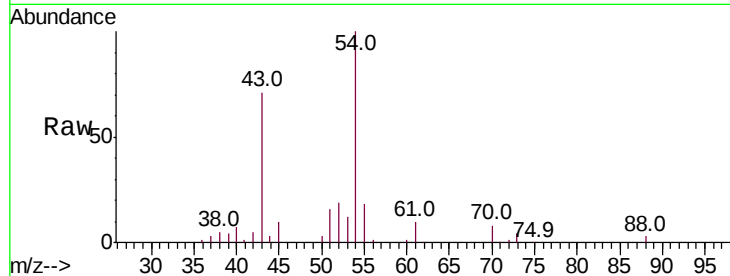
#43
Ethyl Acetate
Concen: 20.005 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion: 43 Resp: 86540
Ion Ratio Lower Upper
43 100
45 12.6 0.0 0.0#

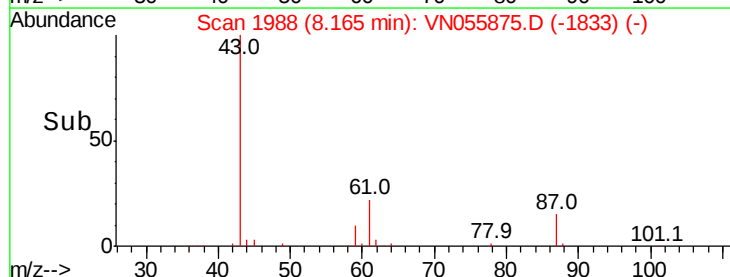
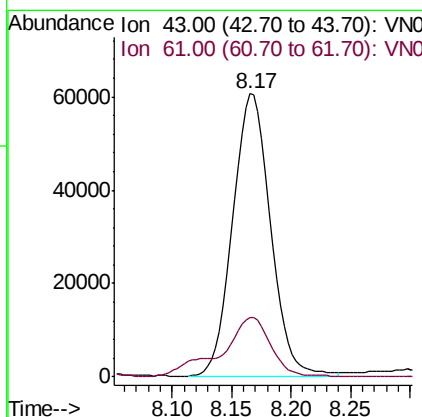
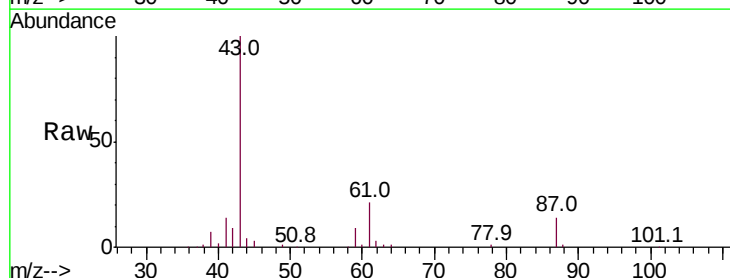
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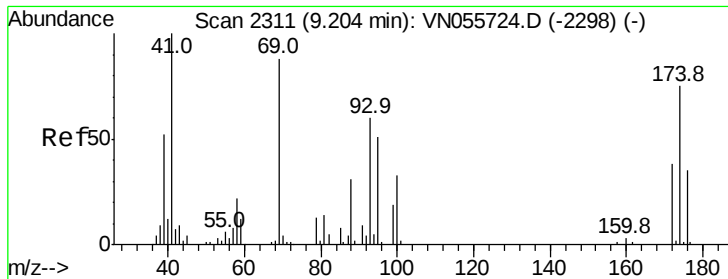
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#44
Isopropyl Acetate
Concen: 18.562 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 43 Resp: 132965
Ion Ratio Lower Upper
43 100
61 21.3 22.1 33.1#





#45

1,4-Dioxane

Concen: 396.475 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

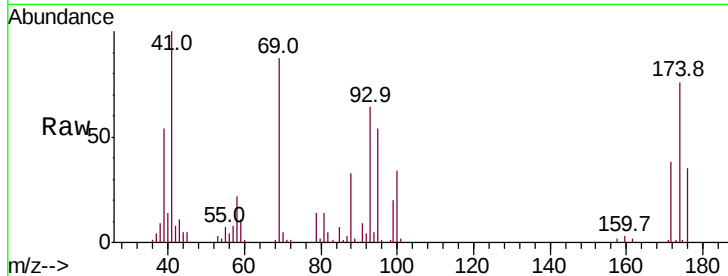
ClientSampleId :

VN0529WBS01

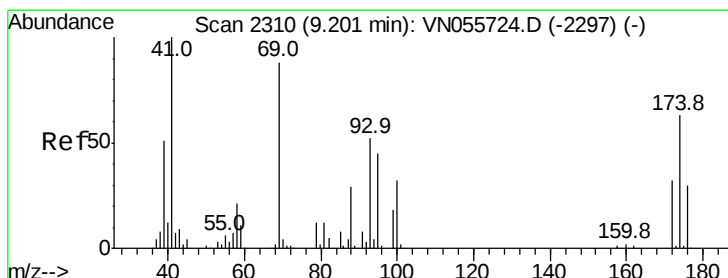
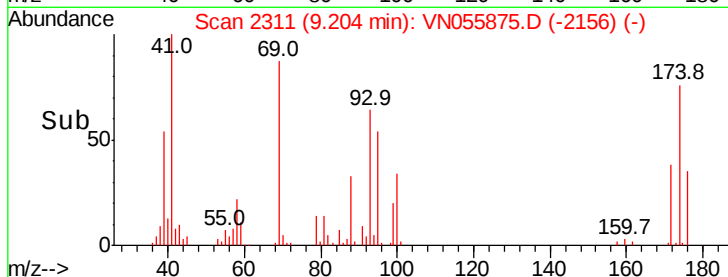
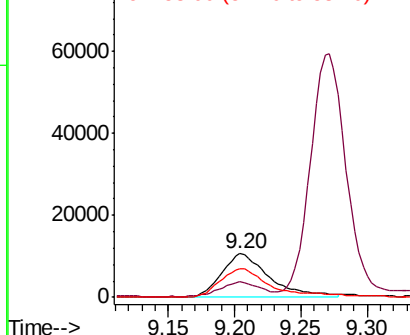
Tot Ion:	88	Resp:	26719
Ion	Ratio	Lower	Upper
88	100		
43	27.1	20.5	30.7
58	63.7	56.1	84.1

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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



#46

Methyl methacrylate

Concen: 19.515 ug/l

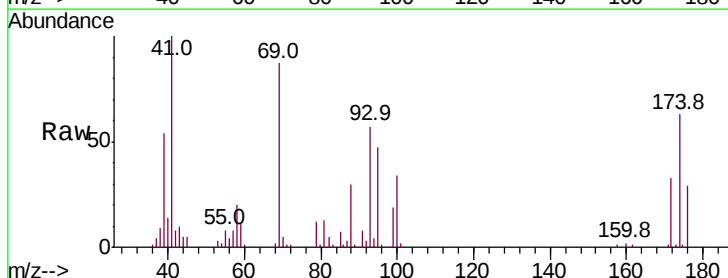
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

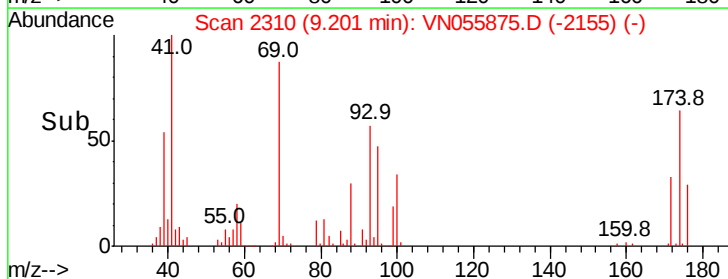
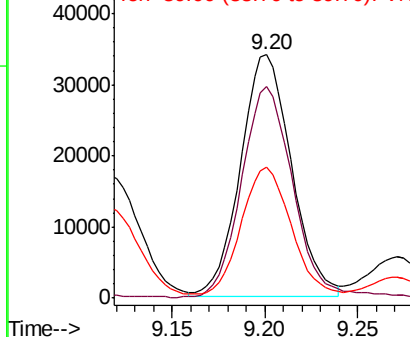
Lab File: VN055875.D

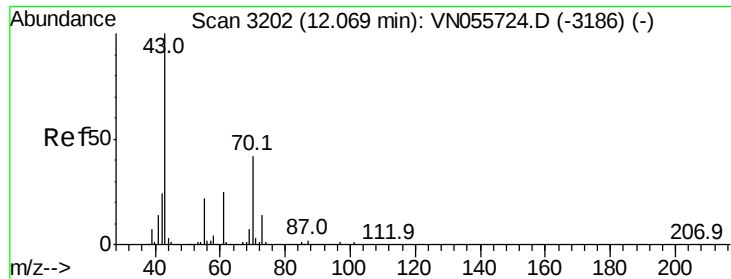
Acq: 29 May 2019 14:08

Tgt Ion:	41	Resp:	65221
Ion	Ratio	Lower	Upper
41	100		
69	88.4	43.8	131.4
39	53.0	25.6	76.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.410 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 43 Resp: 109079

Ion Ratio Lower Upper

43 100

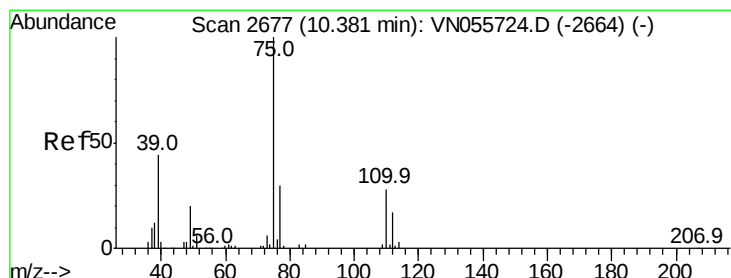
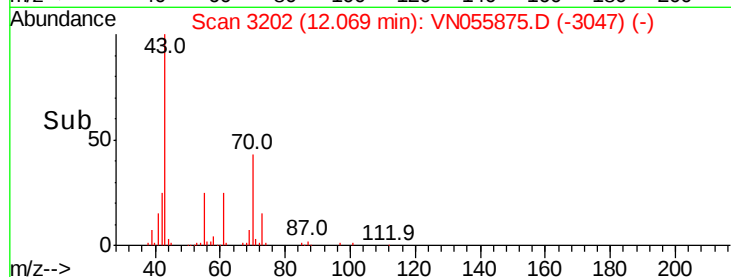
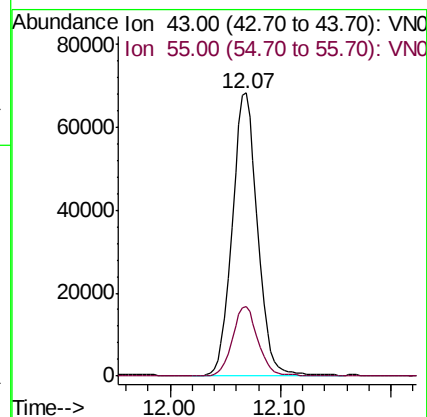
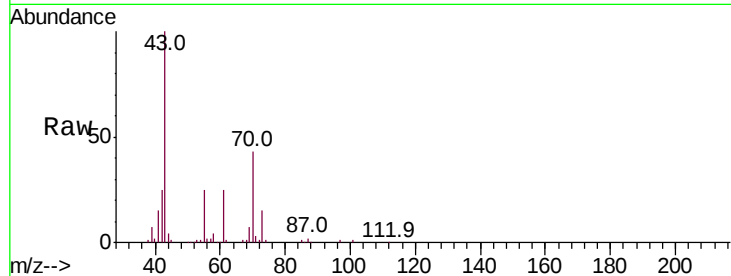
55 24.5 17.8 26.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 17.024 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055875.D

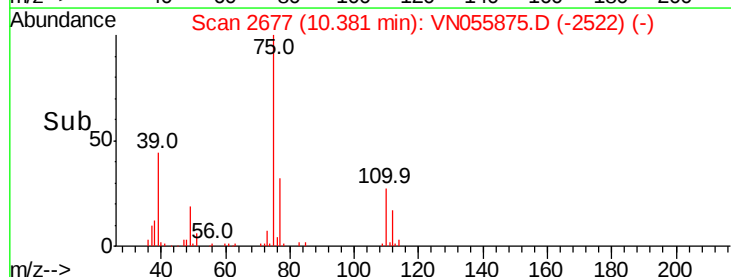
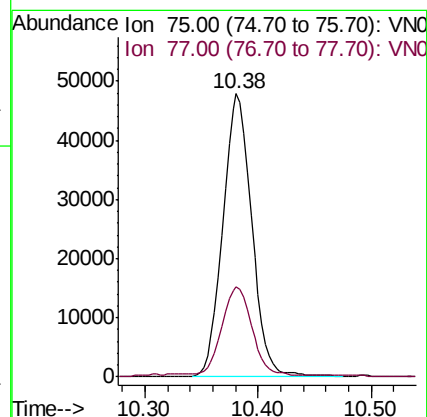
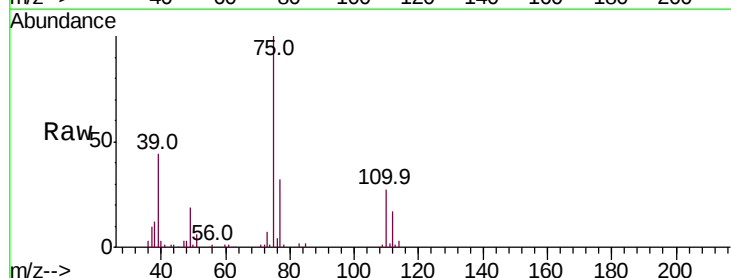
Acq: 29 May 2019 14:08

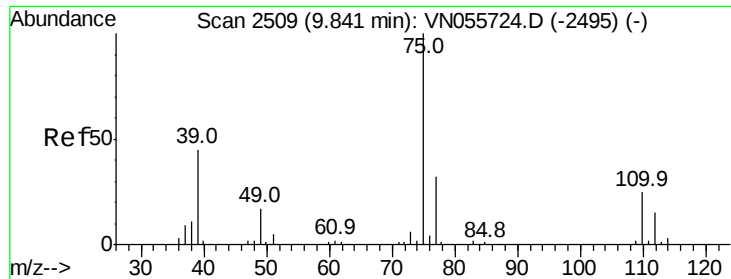
Tgt Ion: 75 Resp: 85230

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8





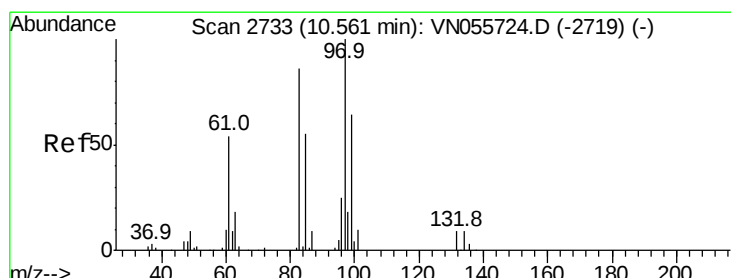
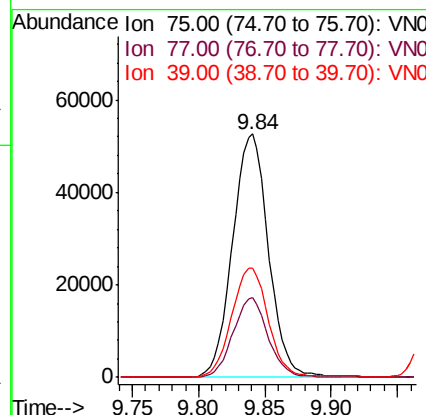
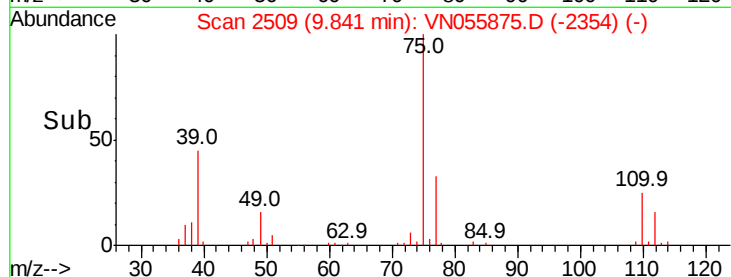
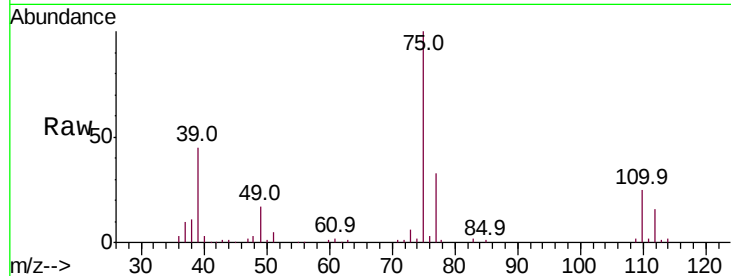
#49
 cis-1,3-Dichloropropene
 Concen: 18.072 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.0	39.0
39	44.9	36.2	54.4

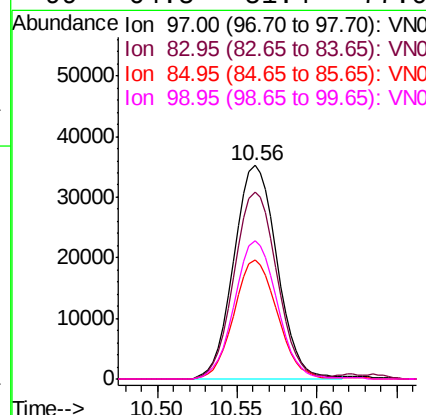
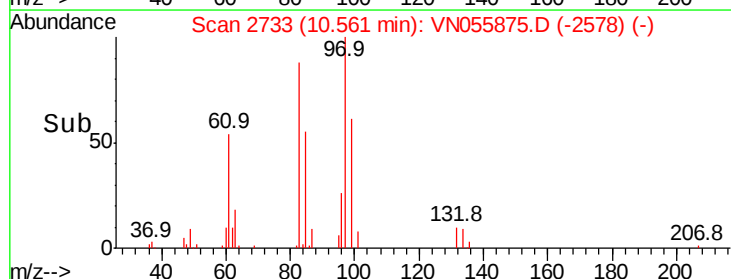
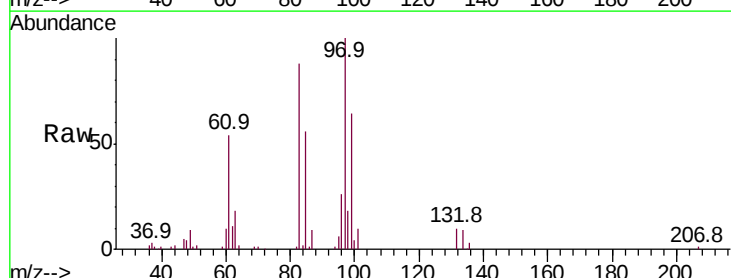
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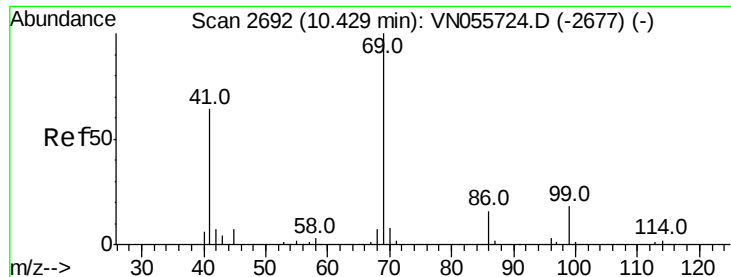
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#50
 1,1,2-Trichloroethane
 Concen: 20.209 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.9	103.3
85	55.7	44.3	66.5
99	64.5	51.4	77.0





#51

Ethyl methacrylate

Concen: 19.216 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 69 Resp: 99782

Ion Ratio Lower Upper

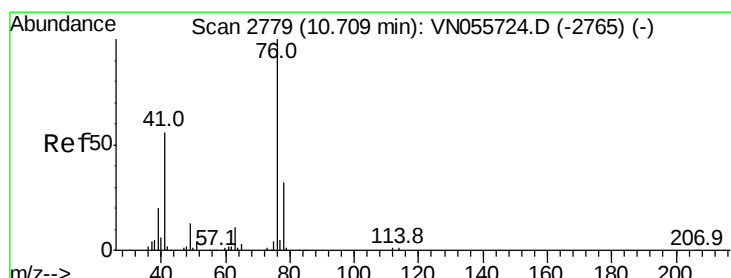
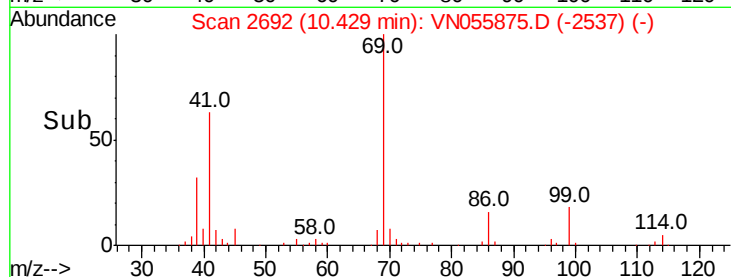
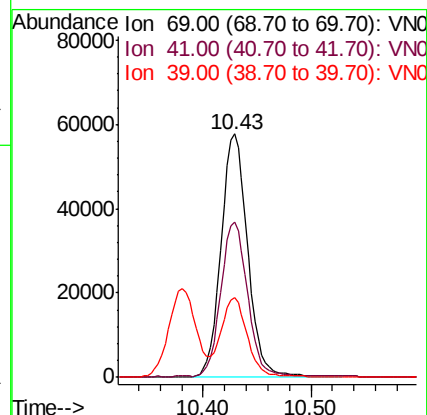
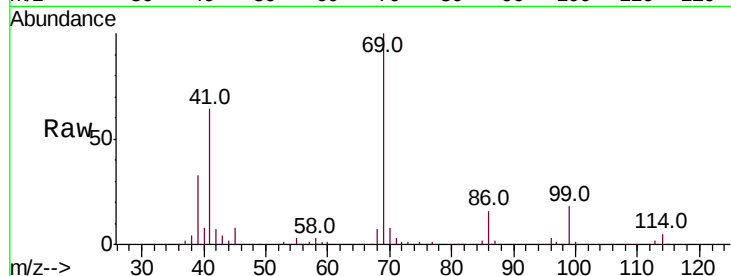
69 100

41 63.2 31.9 95.7

39 32.3 15.7 47.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.832 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055875.D

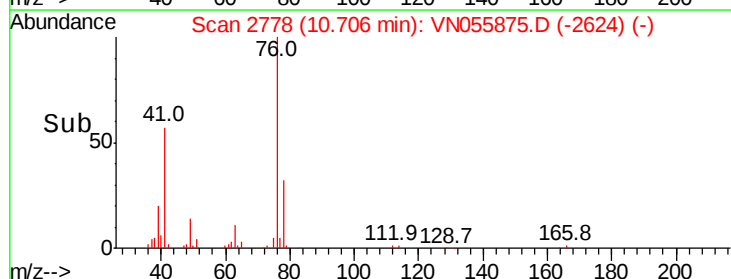
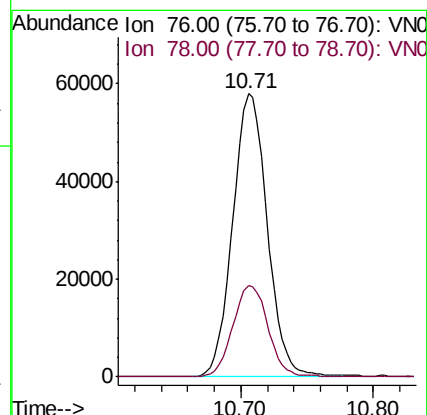
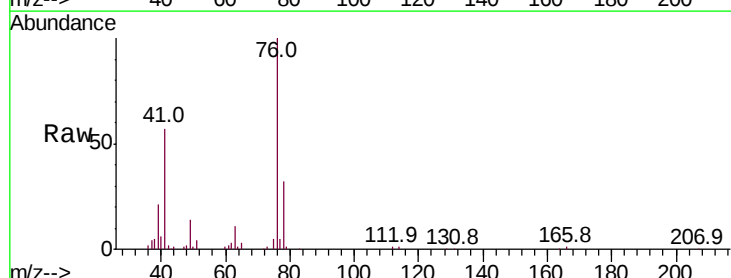
Acq: 29 May 2019 14:08

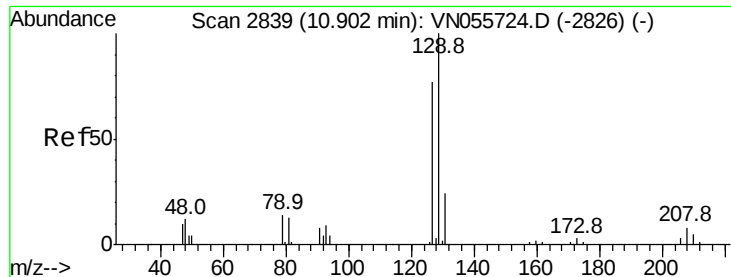
Tgt Ion: 76 Resp: 105309

Ion Ratio Lower Upper

76 100

78 32.7 0.0 65.0





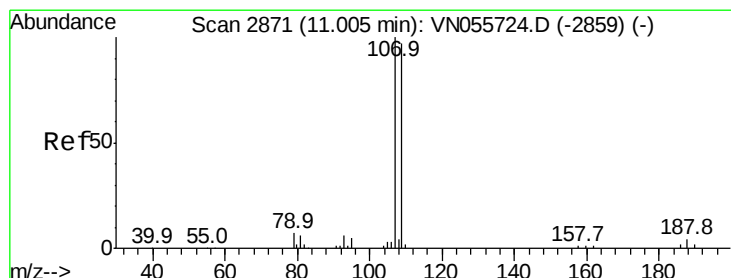
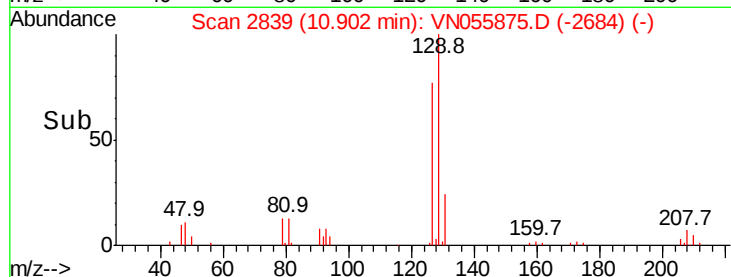
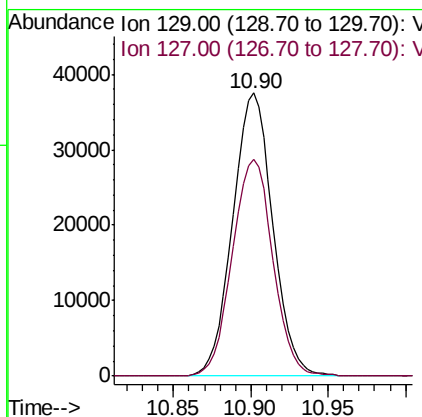
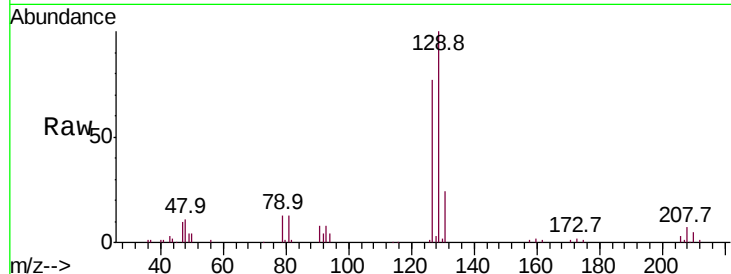
#53
Dibromochloromethane
Concen: 17.762 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion:129 Resp: 67596
Ion Ratio Lower Upper
129 100
127 77.7 39.2 117.6

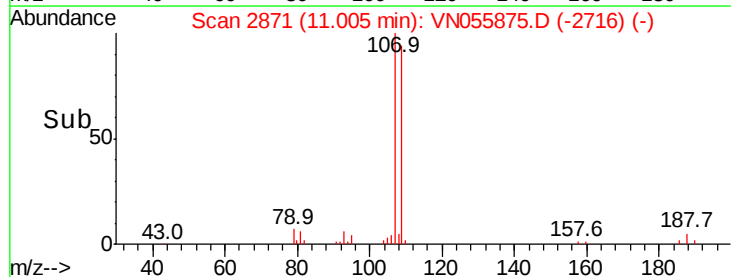
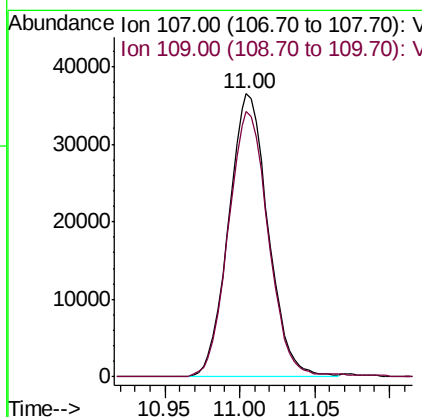
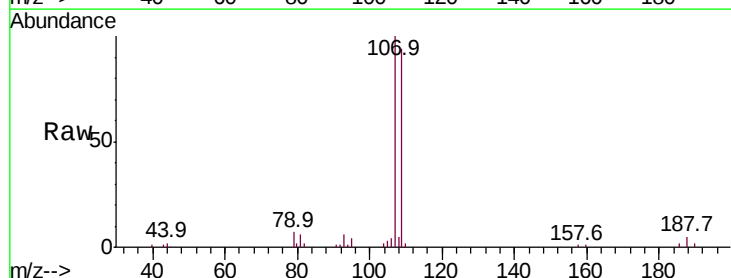
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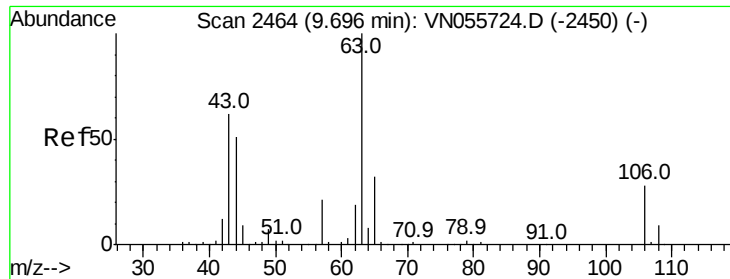
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#54
1,2-Dibromoethane
Concen: 20.145 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion:107 Resp: 67155
Ion Ratio Lower Upper
107 100
109 94.3 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 89.127 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

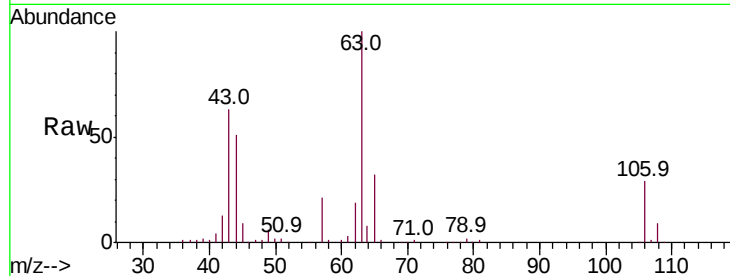
ClientSampleId :

VN0529WBS01

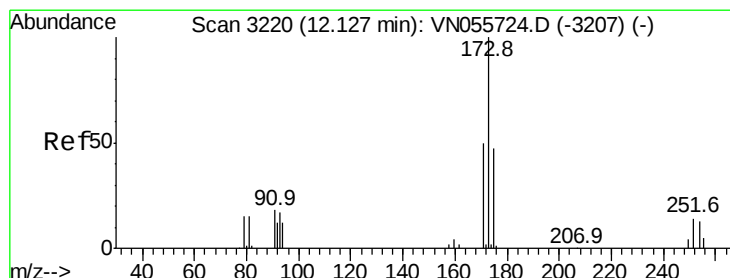
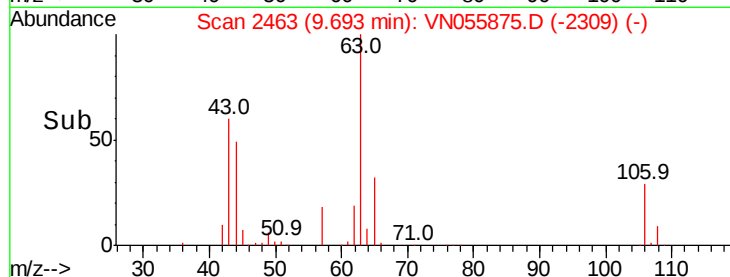
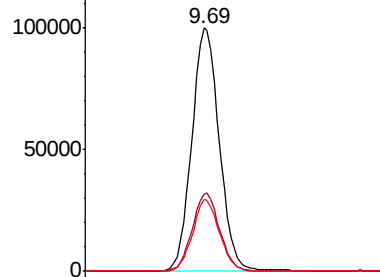
Tot Ion:	63	Resp:	180068
Ion Ratio	Lower	Upper	
63	100		
65	31.8	25.4	38.0
106	28.8	22.1	33.1

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VN055875.D (-2309) (-)



#56

Bromoform

Concen: 15.641 ug/l

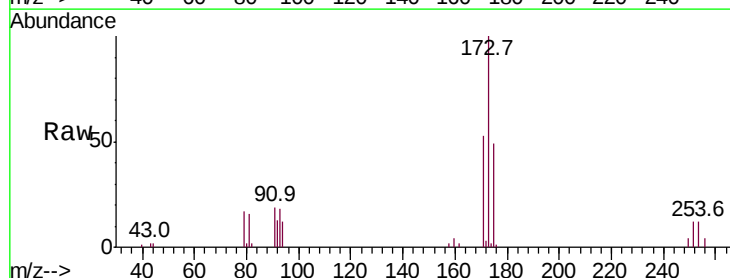
RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

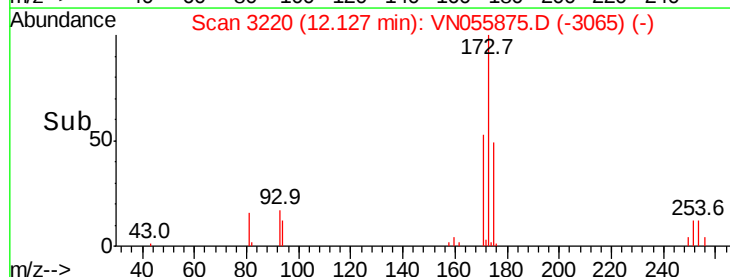
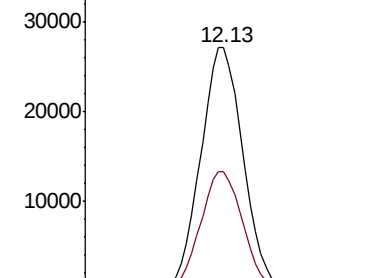
Lab File: VN055875.D

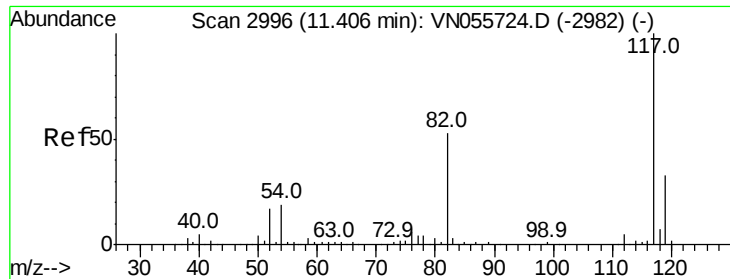
Acq: 29 May 2019 14:08

Tgt Ion:	173	Resp:	48826
Ion Ratio	Lower	Upper	
173	100		
175	49.2	38.5	57.7
254	0.7	9.4	14.0#



Abundance Ion 173.00 (172.70 to 173.70): VN055875.D (-3065) (-)





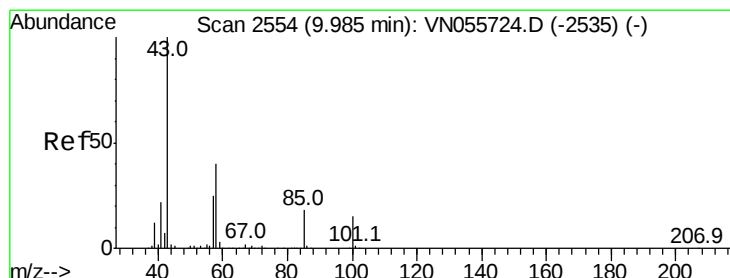
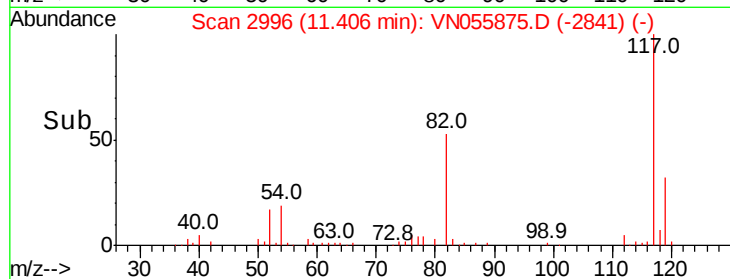
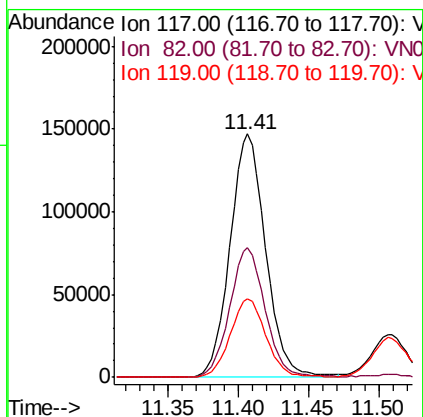
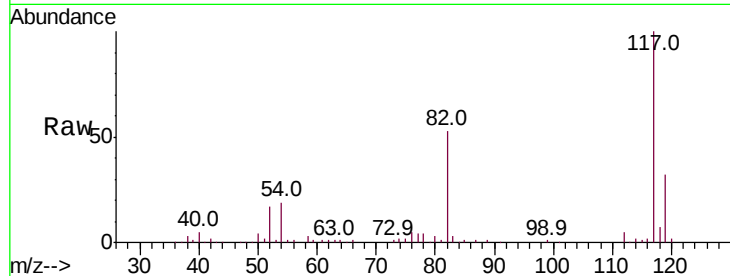
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	260118		
82	52.7	42.6	64.0	
119	32.4	25.9	38.9	

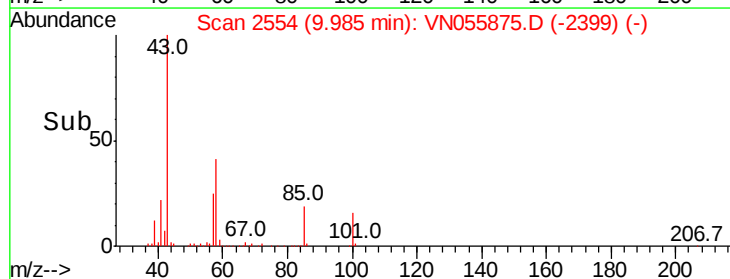
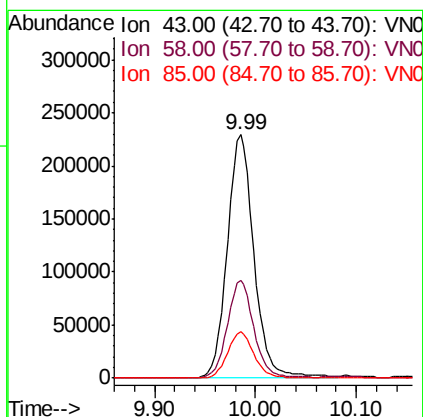
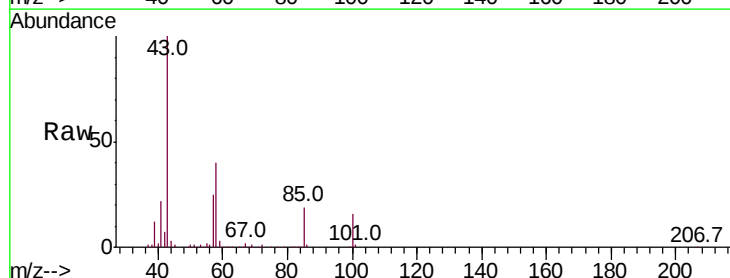
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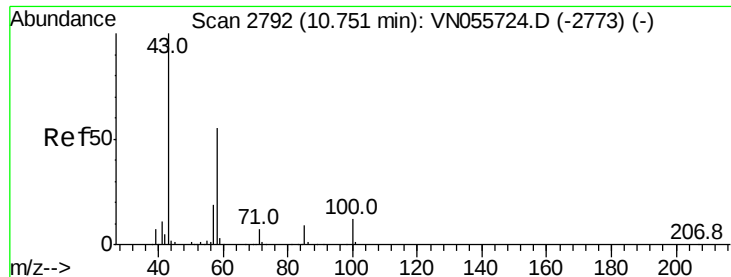
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#58
4-Methyl-2-Pentanone
Concen: 98.351 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	423516		
58	40.0	31.7	47.5	
85	18.7	14.5	21.7	





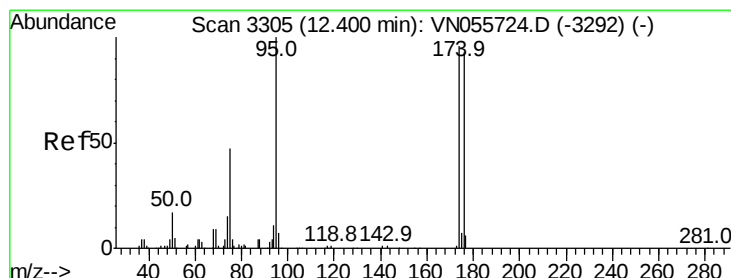
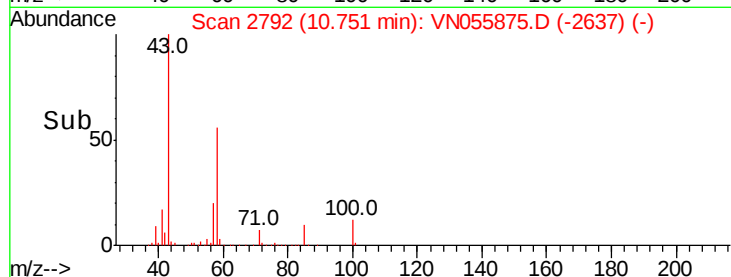
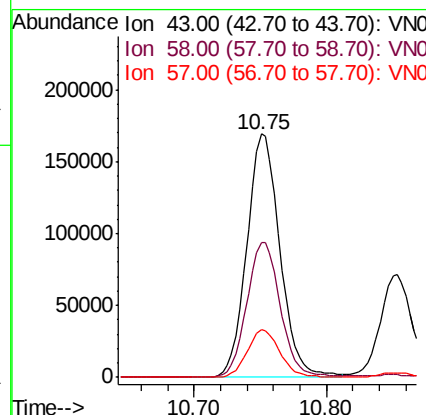
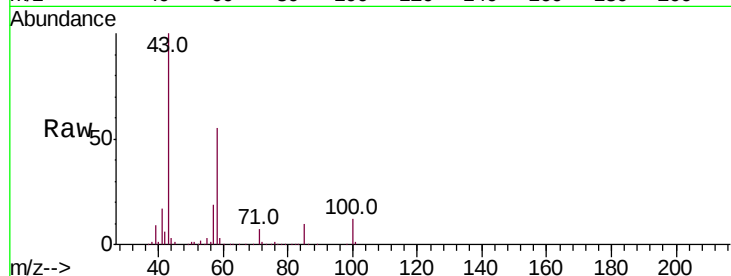
#59
2-Hexanone
Concen: 95.003 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	44.8	67.2
57	19.3	15.3	22.9

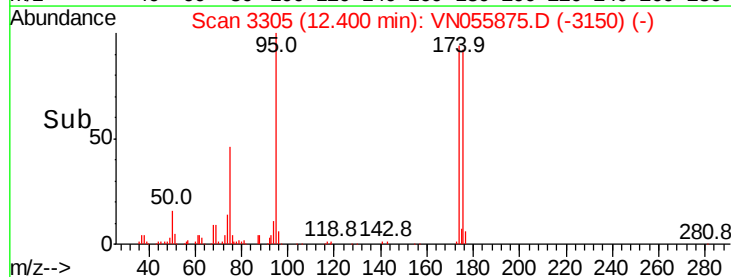
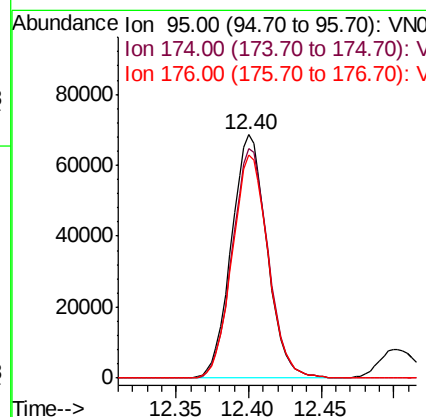
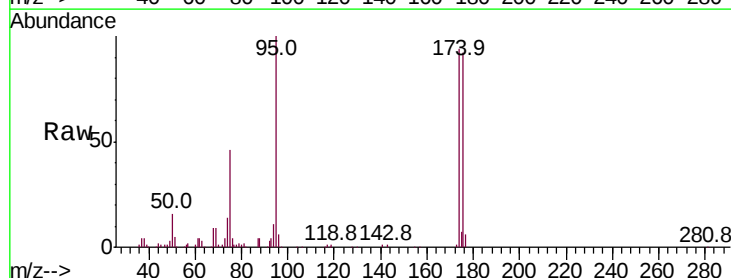
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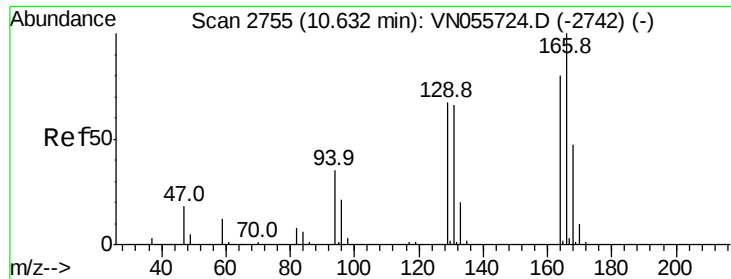
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#60
4-Bromofluorobenzene
Concen: 28.837 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	75.7	113.5
176	92.6	74.1	111.1





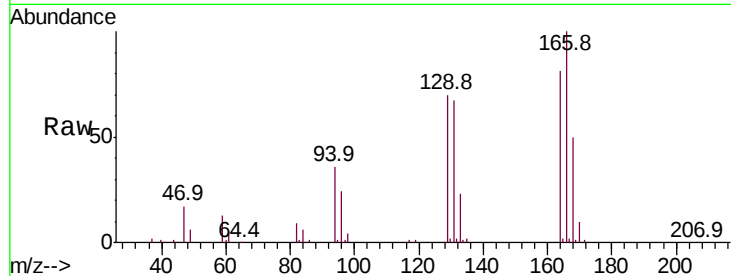
#61
Tetrachloroethene
Concen: 20.995 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.0	100.6	150.8
129	87.2	67.4	101.2
131	83.6	66.6	99.8

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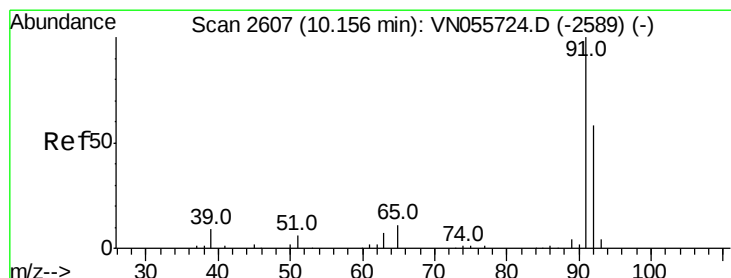
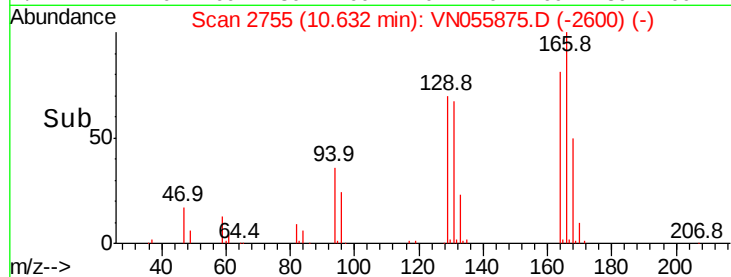
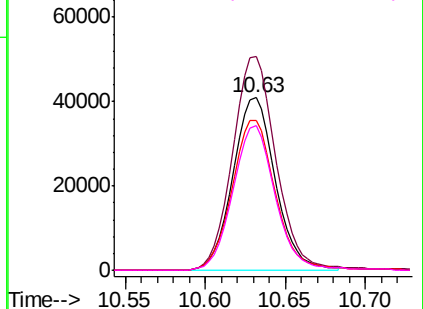
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

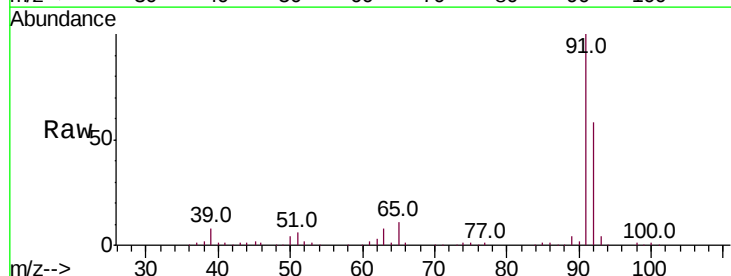
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.372 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

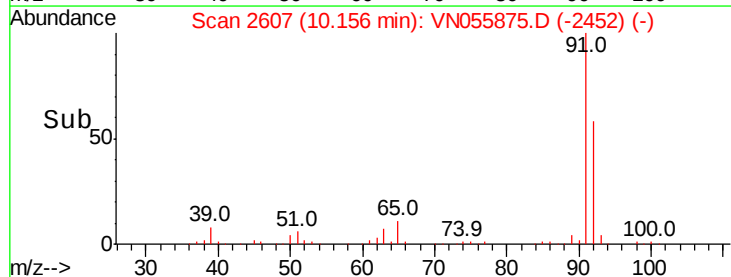
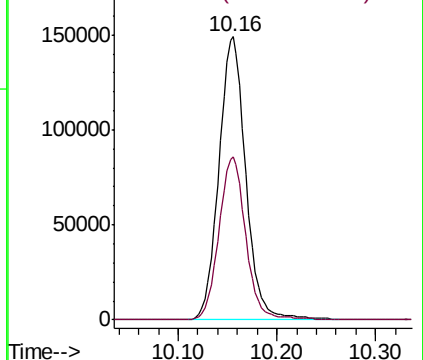
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	45.6	68.4

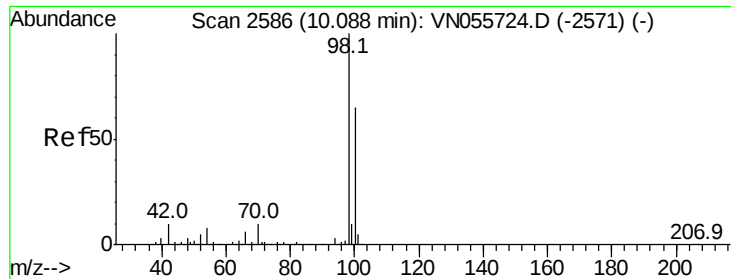


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.226 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 98 Resp: 359297

Ion Ratio Lower Upper

98 100

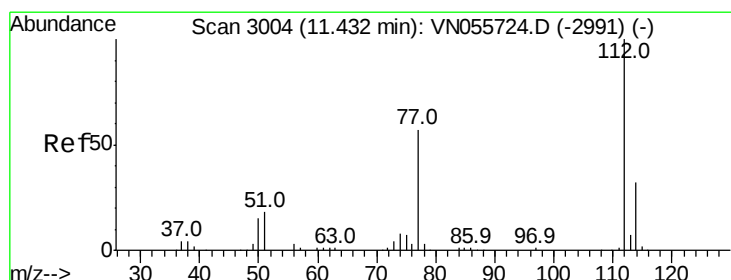
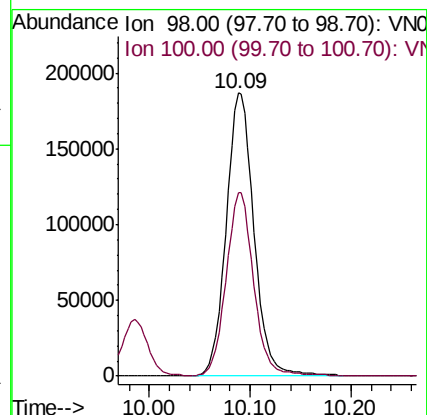
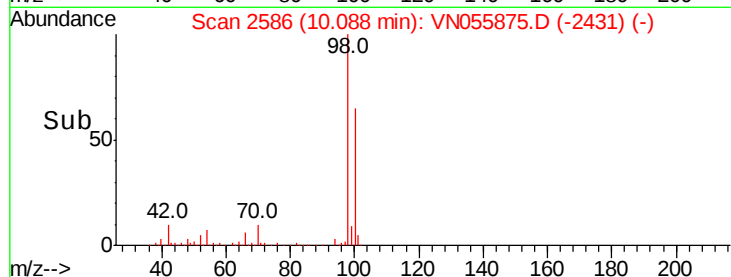
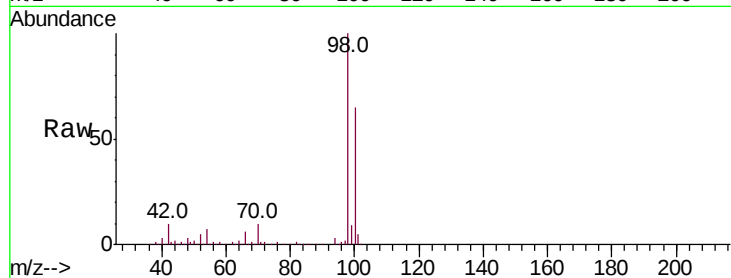
100 64.2 51.6 77.4

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#64

Chlorobenzene

Concen: 20.366 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055875.D

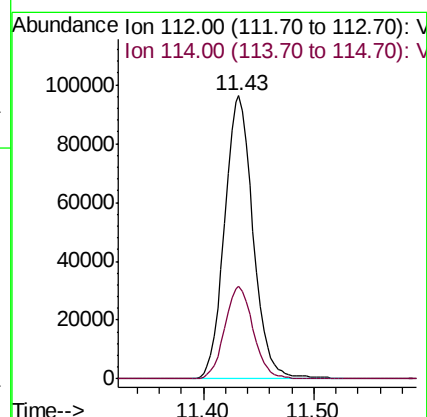
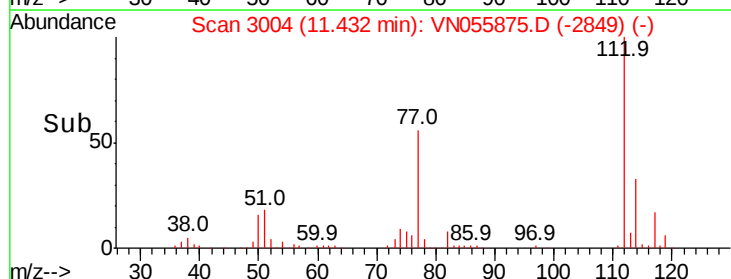
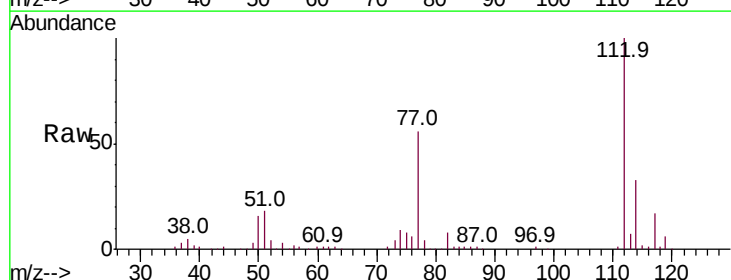
Acq: 29 May 2019 14:08

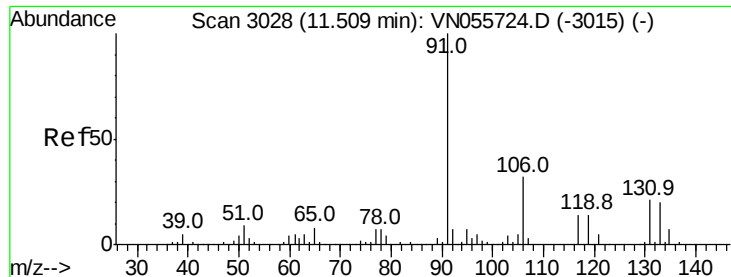
Tgt Ion: 112 Resp: 172809

Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 18.985 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

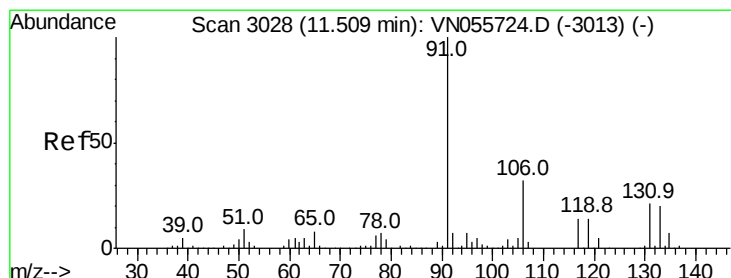
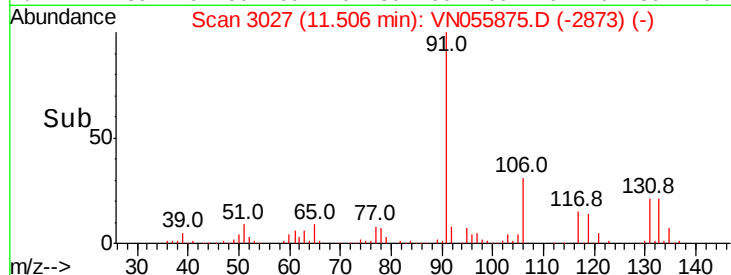
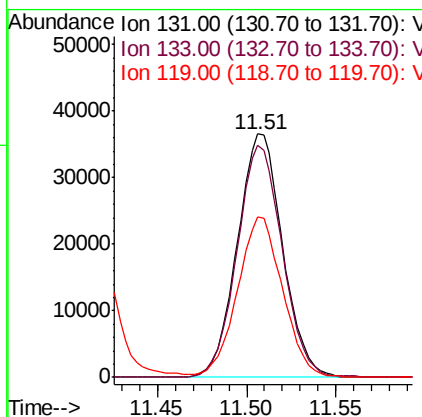
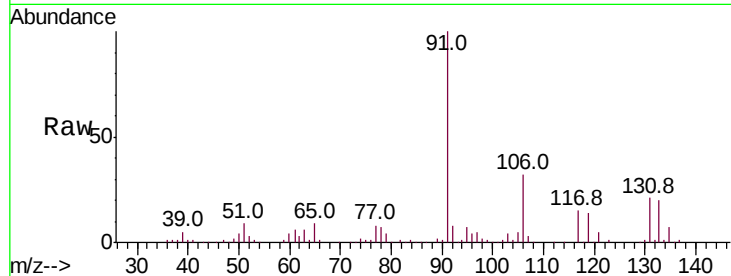
ClientSampleId :

VN0529WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.1	0.0	188.8
119	65.9	0.0	133.6

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#66

Ethyl Benzene

Concen: 19.960 ug/l

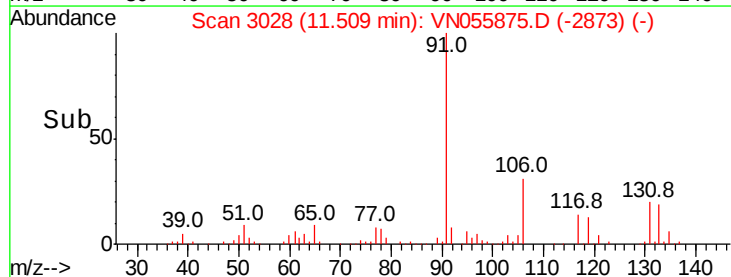
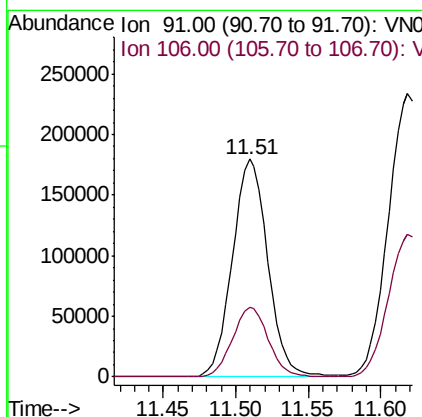
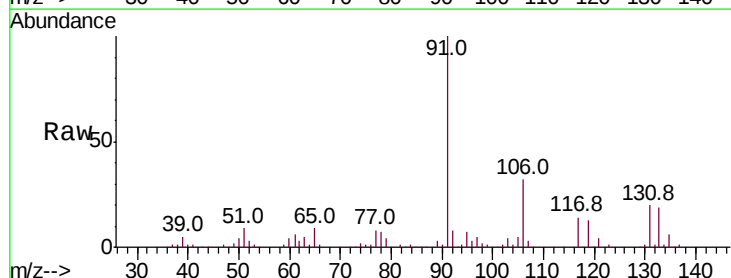
RT: 11.51 min Scan# 3028

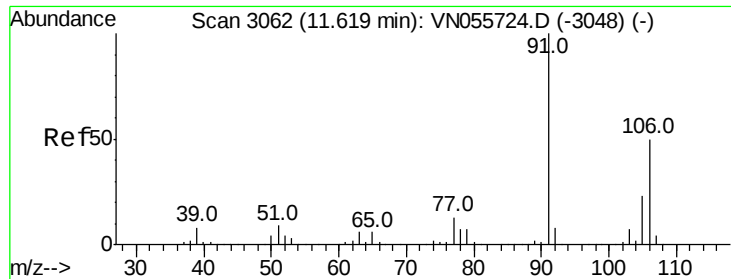
Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.6	38.4





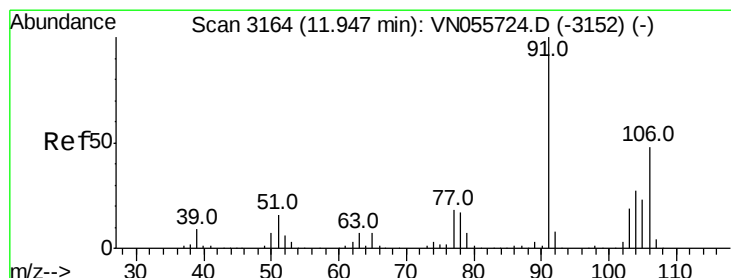
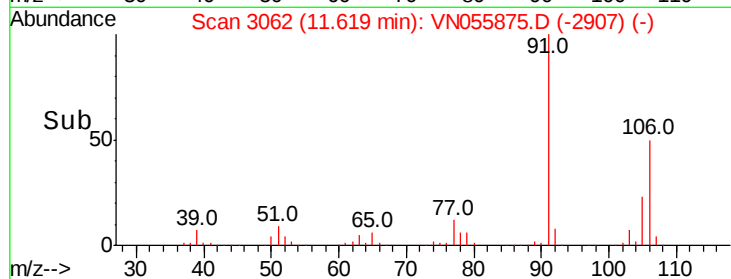
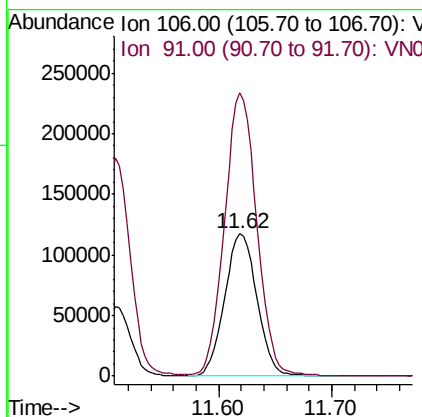
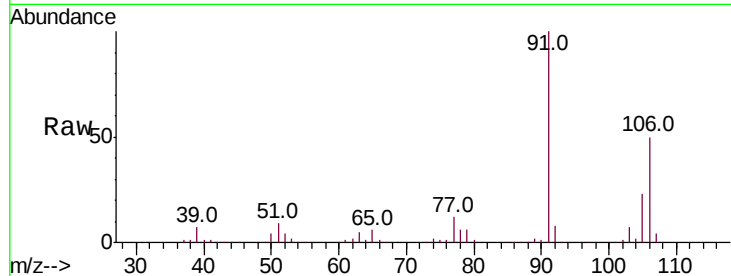
#67
m/p-Xvlenes
Concen: 40.371 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion:106 Resp: 234392
Ion Ratio Lower Upper
106 100
91 198.0 159.5 239.3

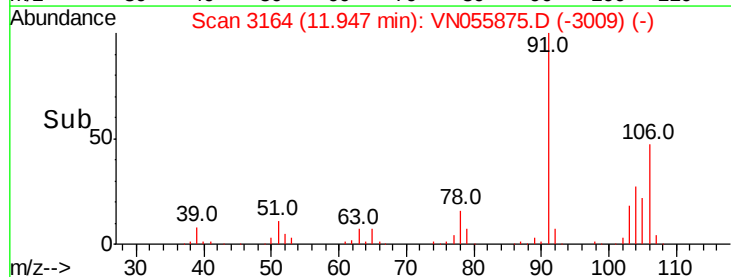
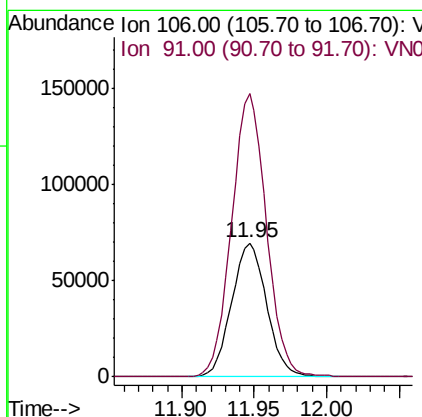
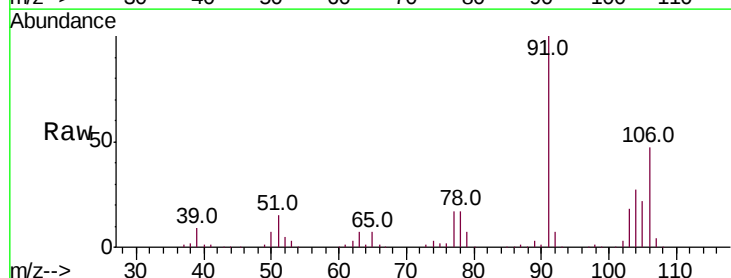
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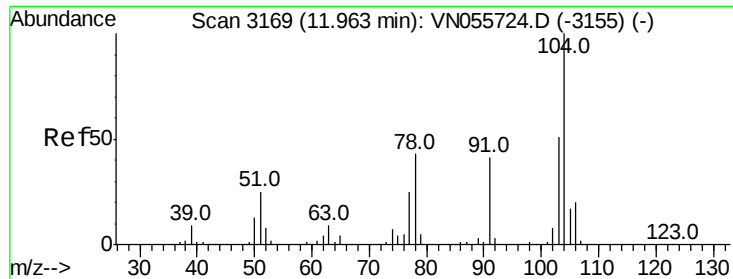
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#68
o-Xylene
Concen: 20.356 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion:106 Resp: 116951
Ion Ratio Lower Upper
106 100
91 209.5 105.4 316.1





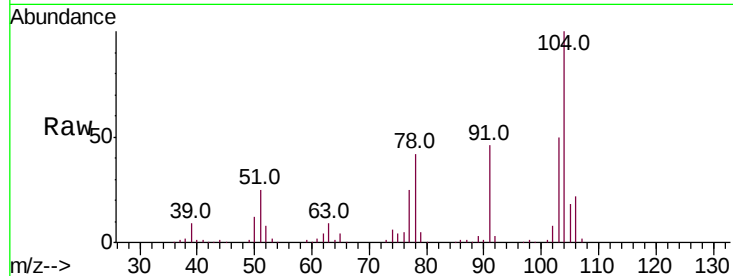
#69
Stvrene
Concen: 19.650 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

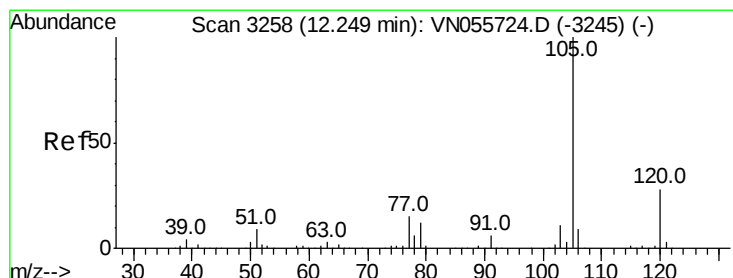
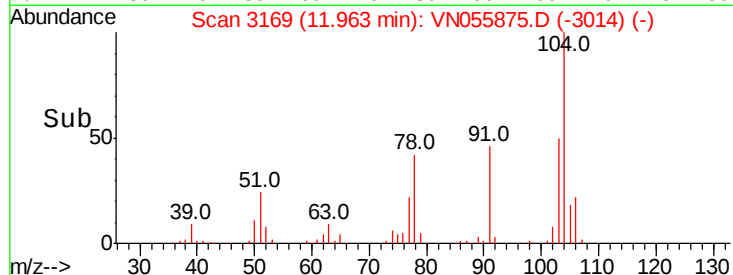
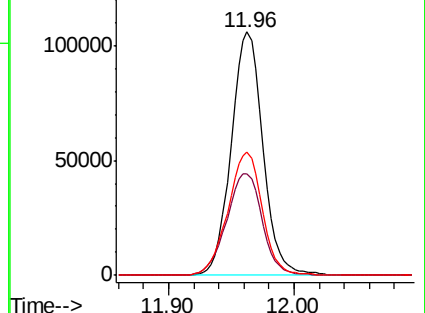
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	38.7	58.1
103	54.8	45.0	67.6

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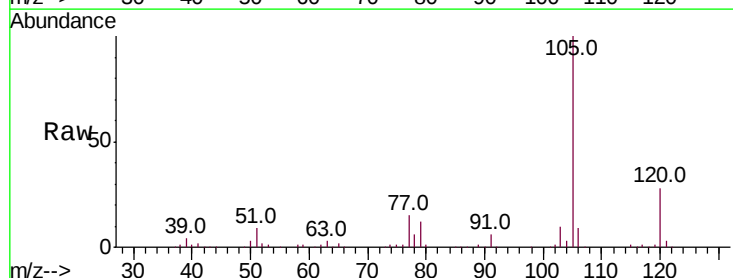


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

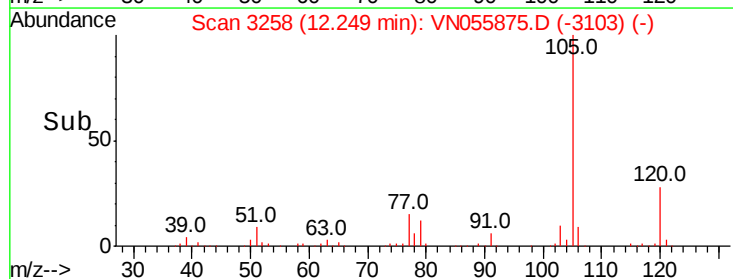
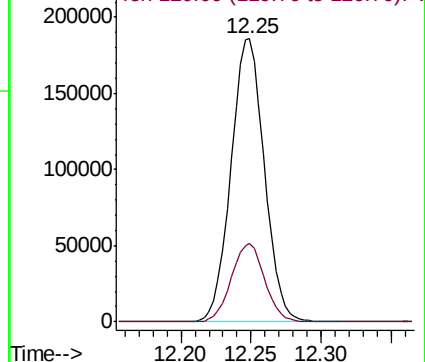


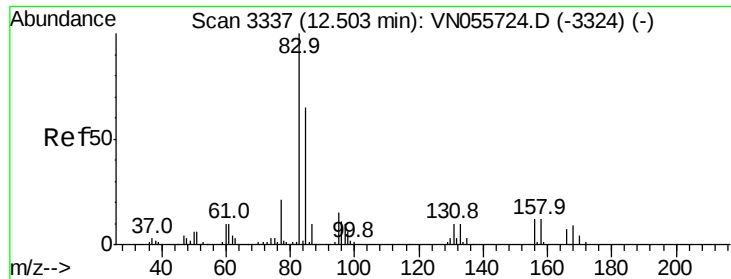
#70
Isopropylbenzene
Concen: 20.486 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.2	35.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





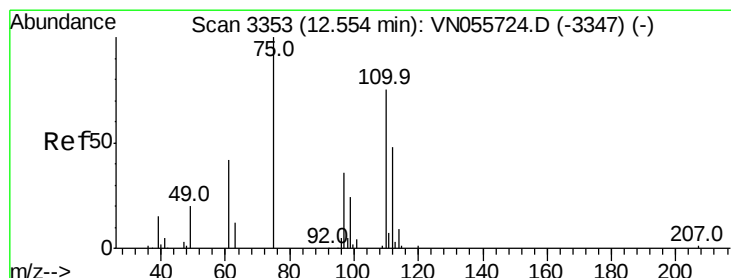
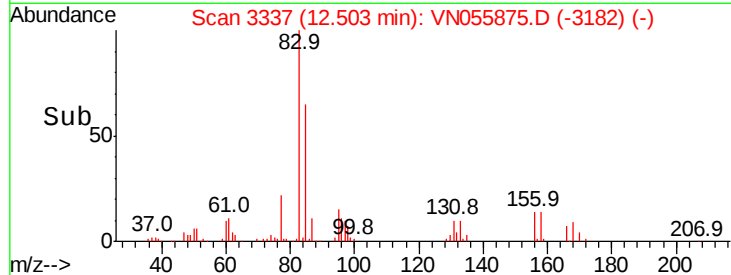
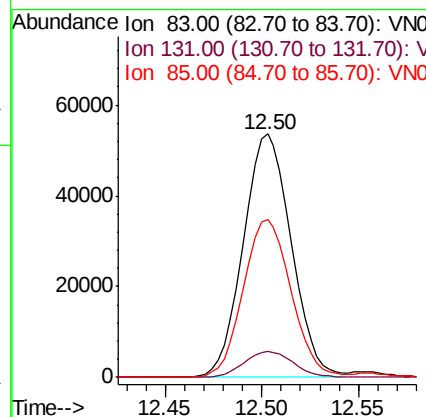
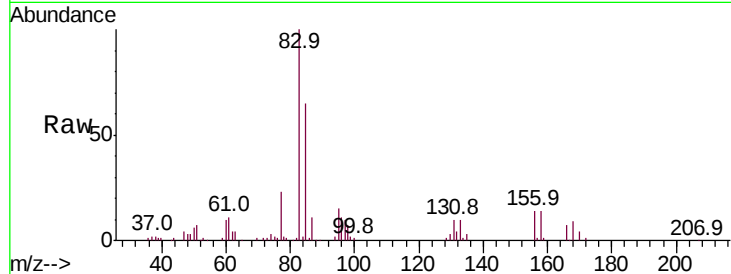
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.982 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	83	Resp	92443
Ion Ratio	100	Lower	Upper
131	11.0	5.3	15.8
85	64.8	32.3	96.9

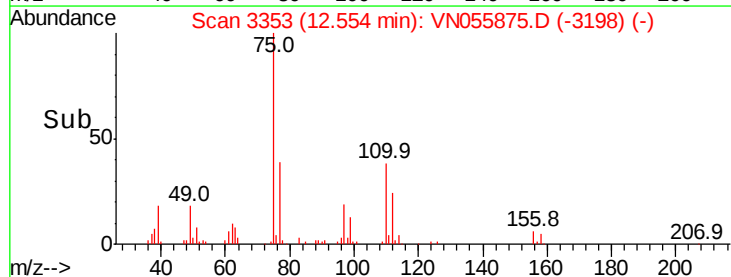
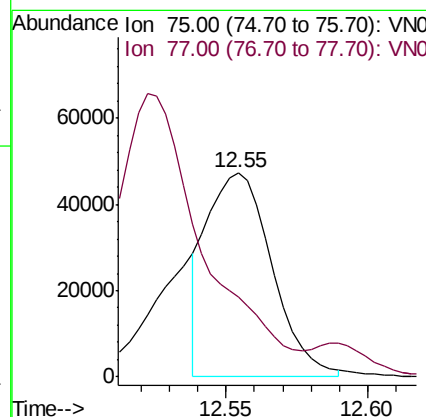
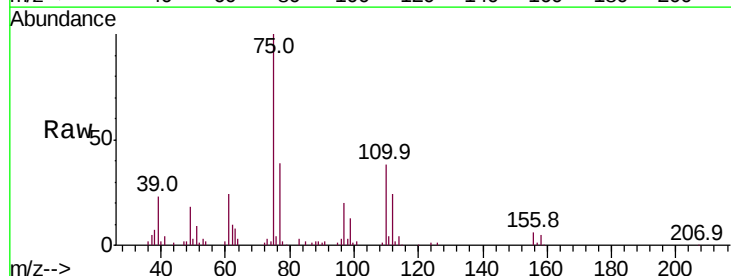
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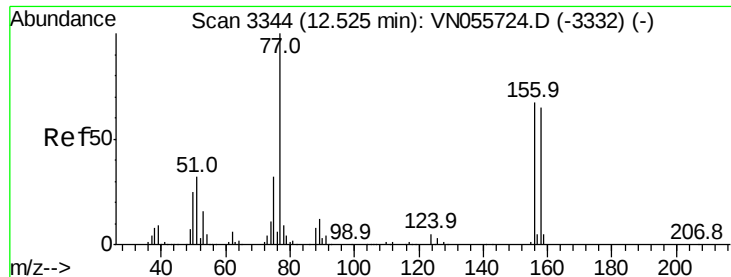
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#72
 1,2,3-Trichloropropane
 Concen: 19.027 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	75	Resp	75760
Ion Ratio	100	Lower	Upper
77	188.1	0.0	349.8





#73

Bromobenzene

Concen: 19.882 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

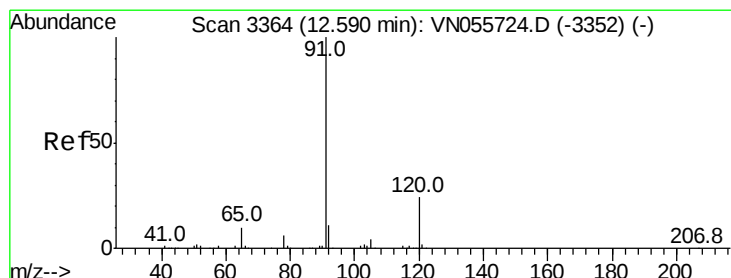
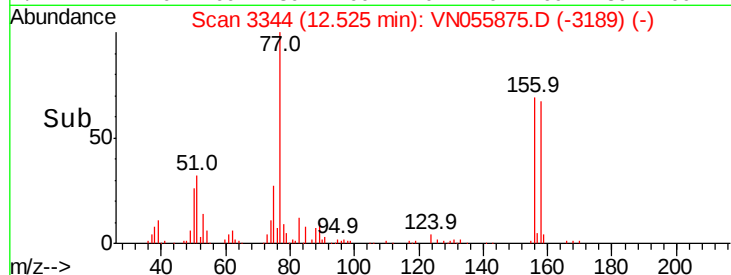
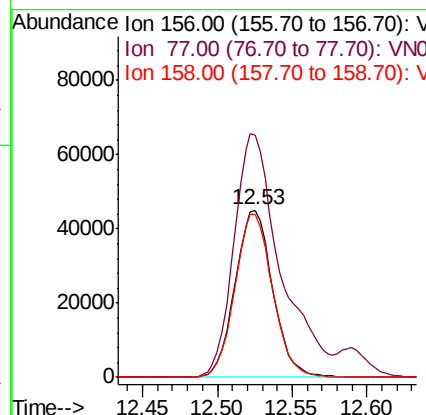
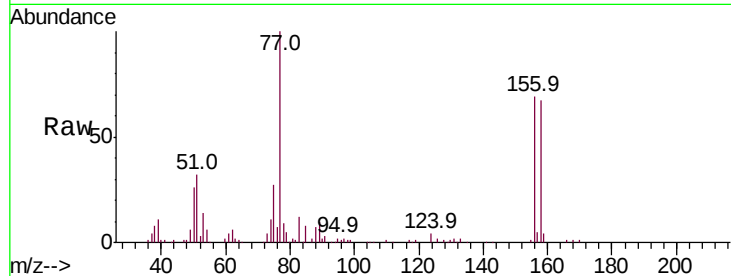
ClientSampleId :

VN0529WBS01

Tot Ion:	156	Resp:	79066
Ion Ratio	Lower	Upper	
156	100		
77	180.2	0.0	368.0
158	97.6	0.0	195.0

Manual Integrations
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#74

n-propylbenzene

Concen: 19.863 ug/l

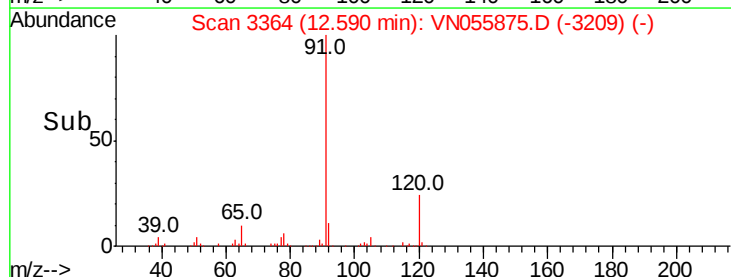
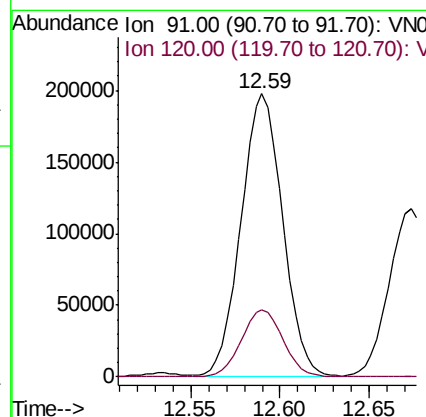
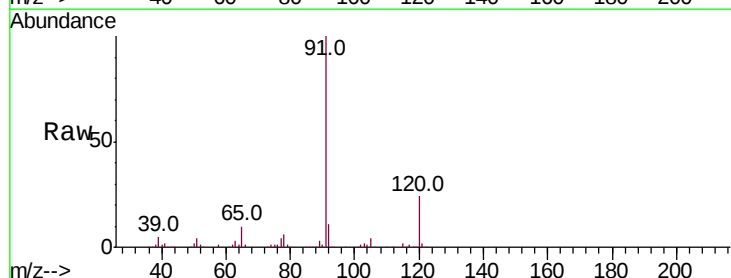
RT: 12.59 min Scan# 3364

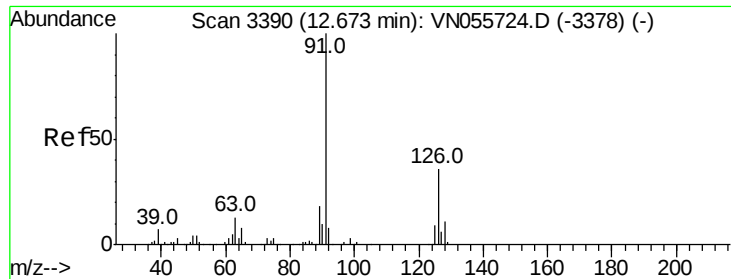
Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Tgt Ion:	91	Resp:	322033
Ion Ratio	Lower	Upper	
91	100		
120	23.7	0.0	47.4





#75

2-Chlorotoluene

Concen: 20.056 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 91 Resp: 198620

Ion Ratio Lower Upper

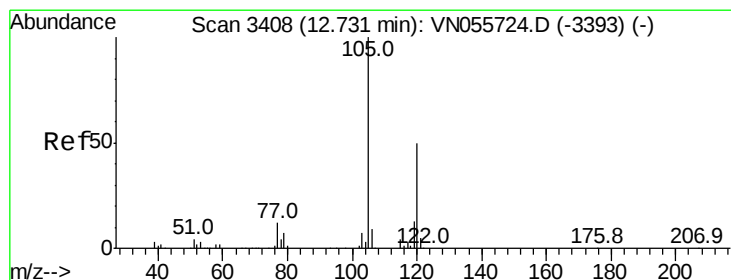
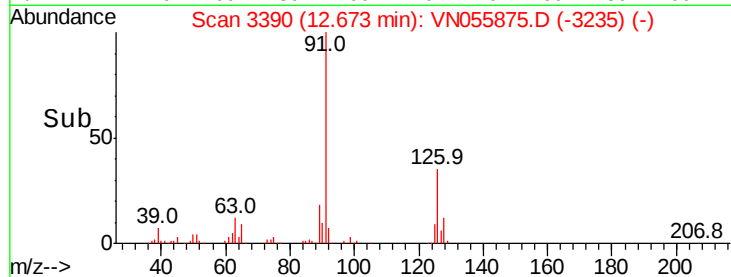
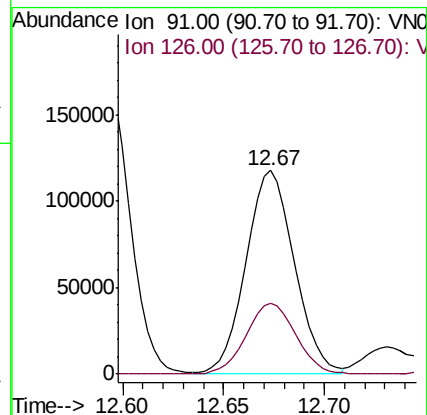
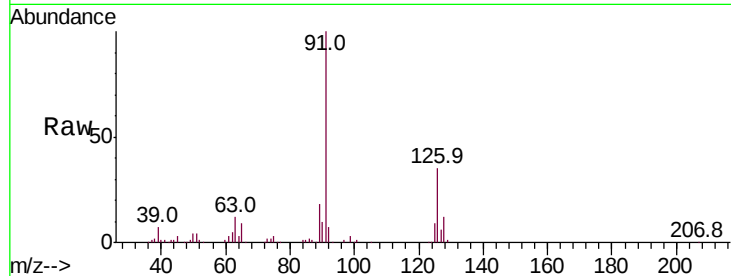
91 100

126 35.6 0.0 71.0

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#76

1,3,5-Trimethylbenzene

Concen: 20.323 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055875.D

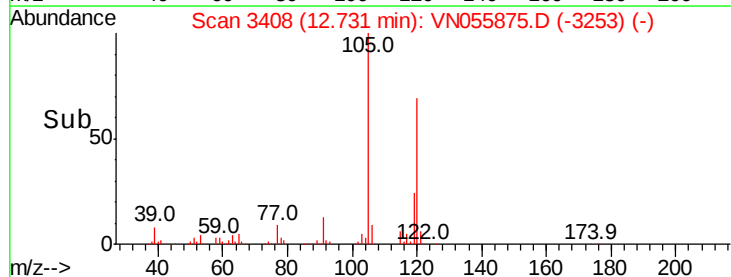
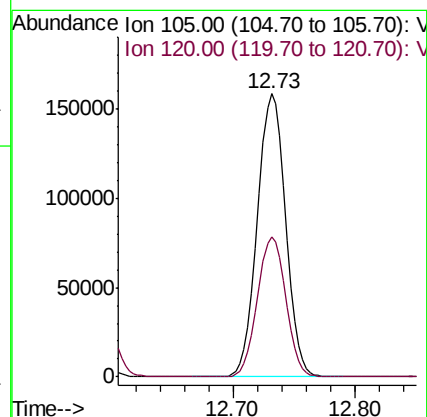
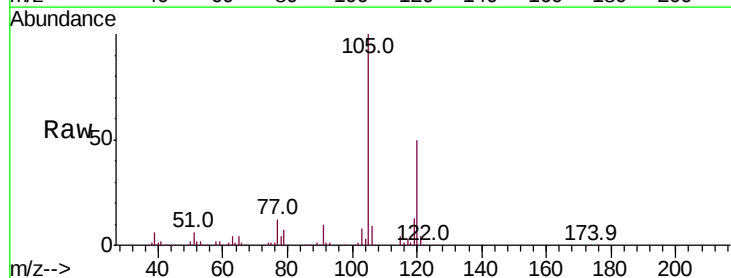
Acq: 29 May 2019 14:08

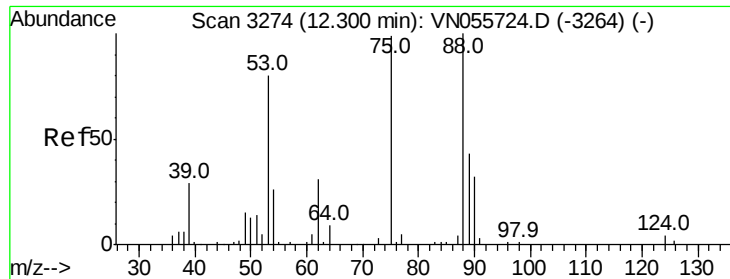
Tgt Ion: 105 Resp: 252528

Ion Ratio Lower Upper

105 100

120 49.8 0.0 99.2





#77

t-1,4-Dichloro-2-butene

Concen: 14.265 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

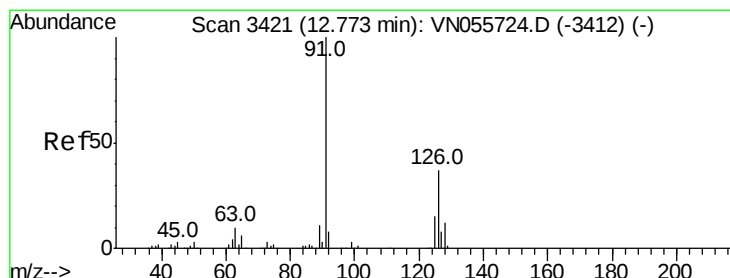
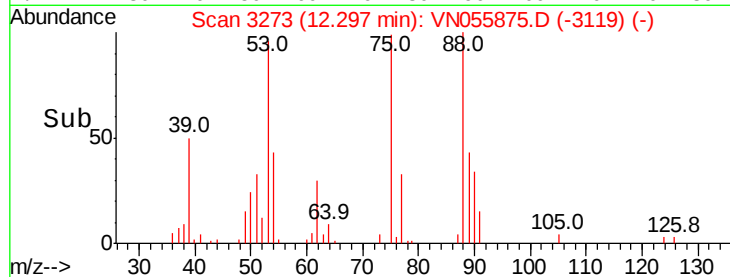
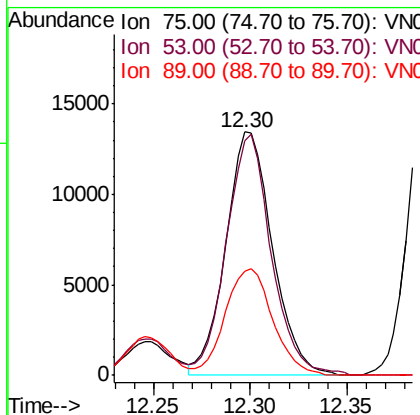
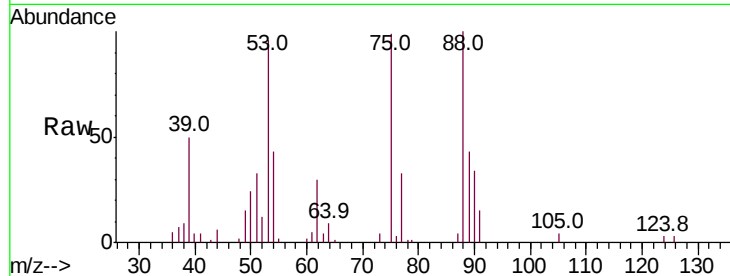
ClientSampleId :

VN0529WBS01

Tot Ion:	75	Resp:	22561
Ion Ratio	Lower	Upper	
75	100		
53	95.0	40.1	120.3
89	42.9	22.6	67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.406 ug/l

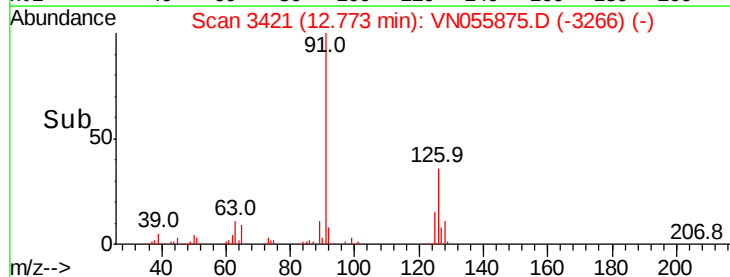
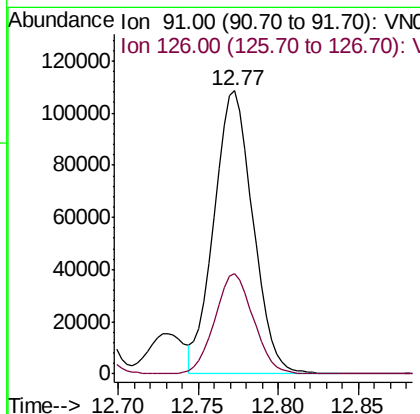
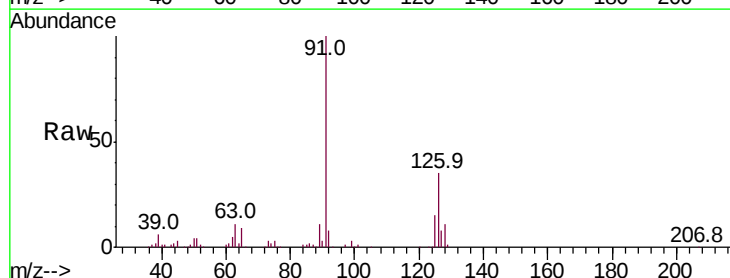
RT: 12.77 min Scan# 3421

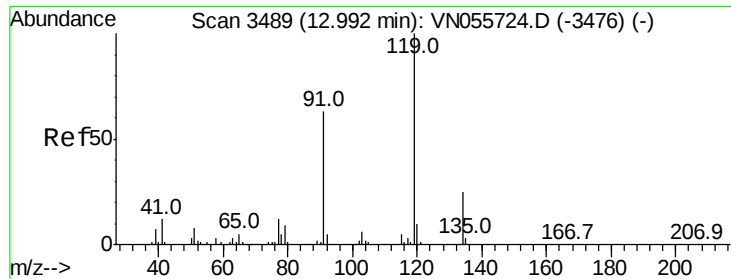
Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Tgt Ion:	91	Resp:	182138
Ion Ratio	Lower	Upper	
91	100		
126	35.1	0.0	69.0





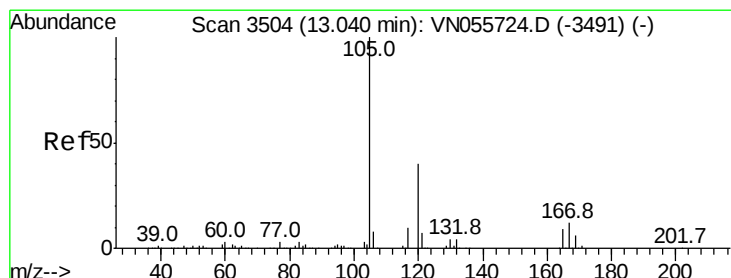
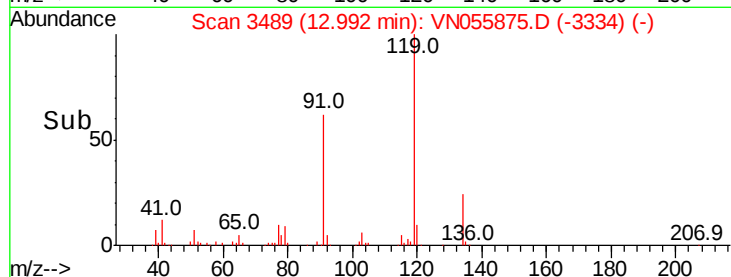
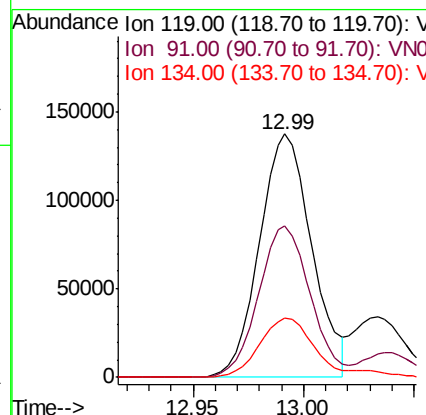
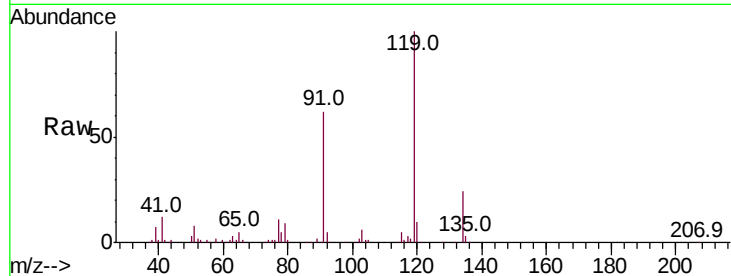
#79
tert-butylbenzene
Concen: 20.650 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	225576		
91	61.7	0.0	123.8	
134	24.9	0.0	52.6	

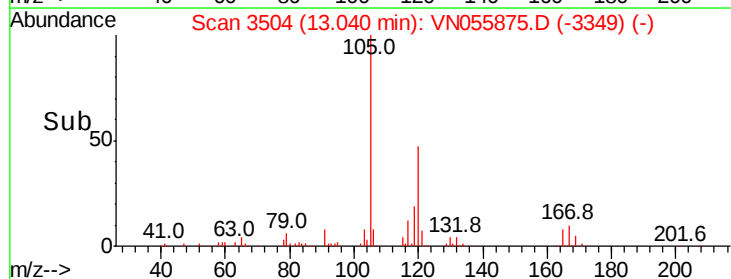
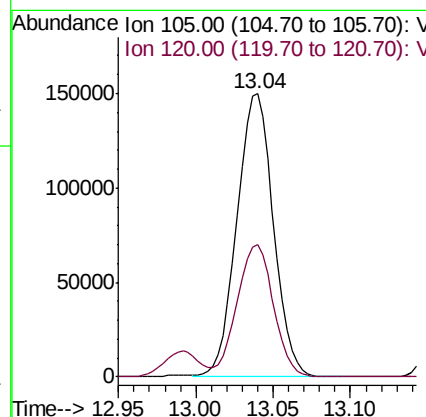
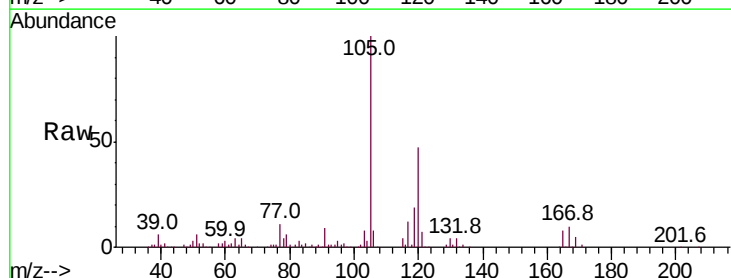
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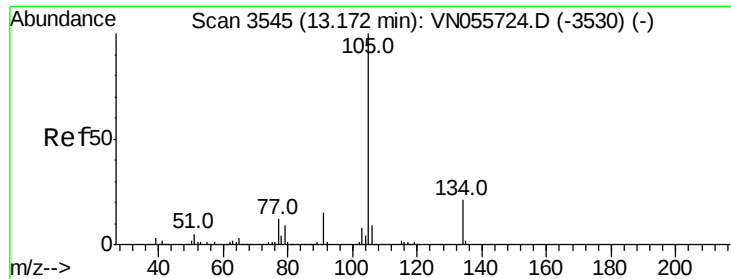
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#80
1,2,4-Trimethylbenzene
Concen: 19.894 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	245393		
120	46.6	0.0	93.6	





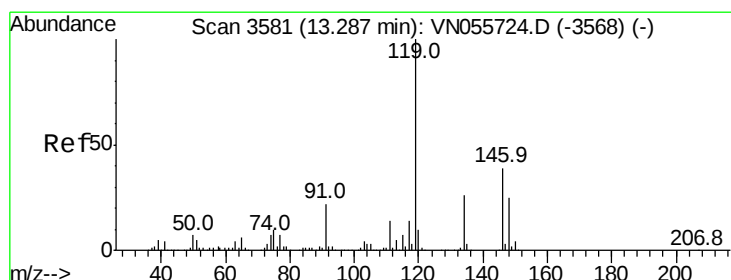
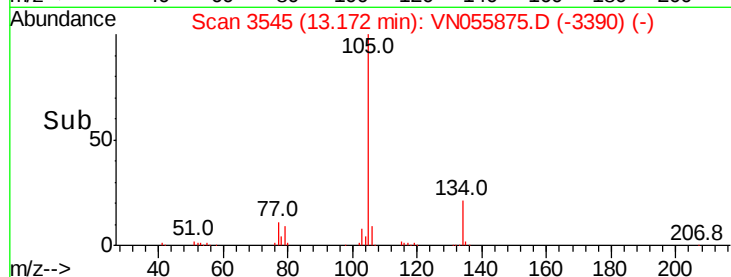
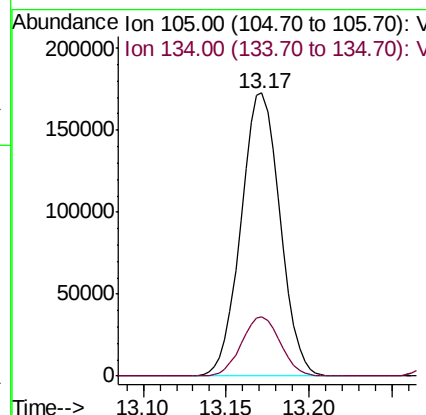
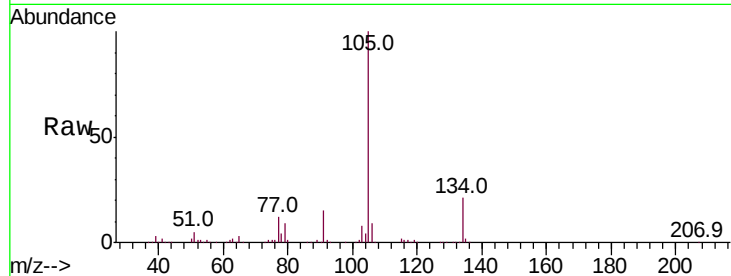
#81
 sec-Butylbenzene
 Concen: 20.404 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	283184		
134	20.9	0.0	41.4	

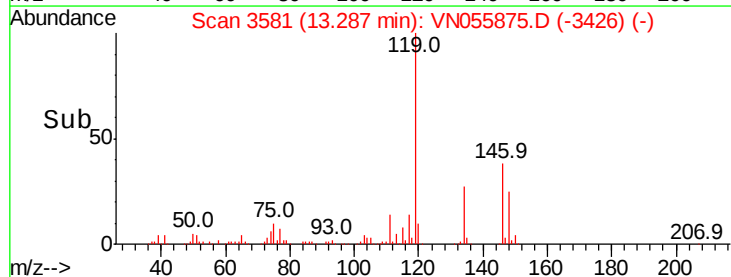
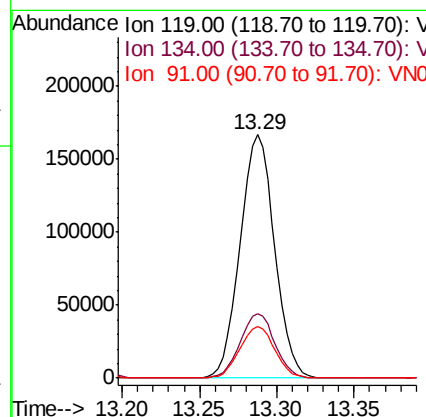
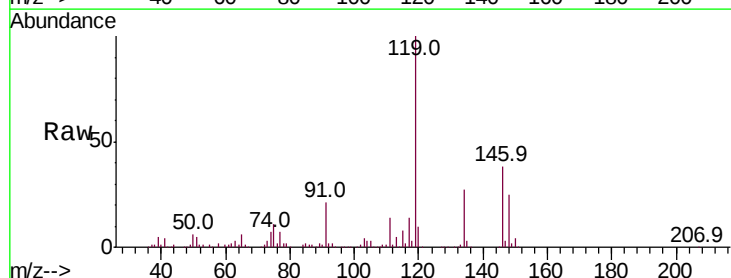
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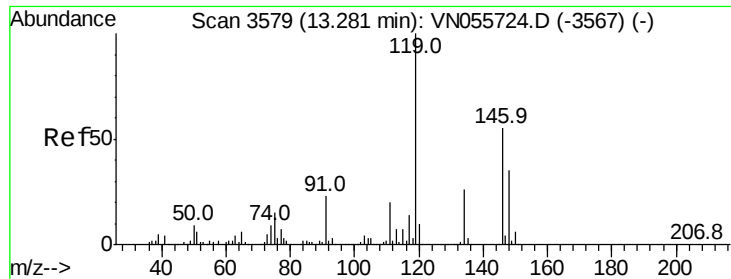
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#82
 p-Isopropyltoluene
 Concen: 20.171 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	257651		
134	26.7	0.0	52.0	
91	21.7	0.0	44.4	





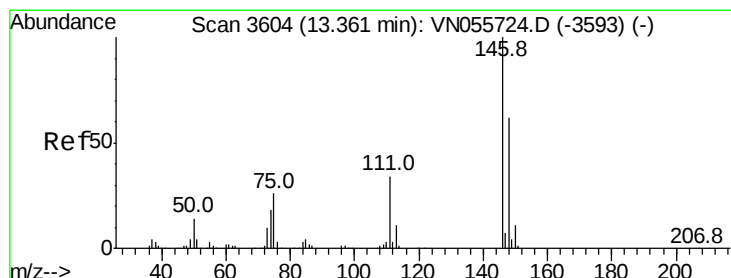
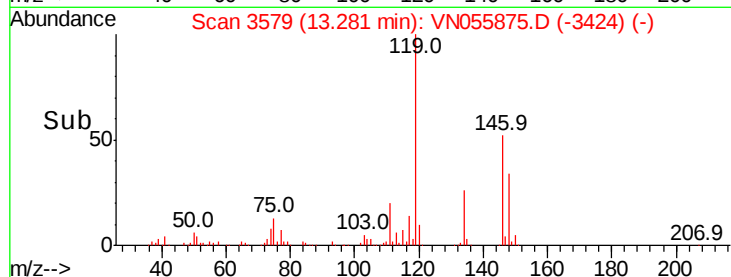
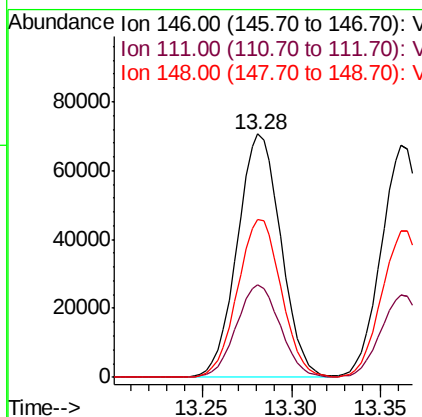
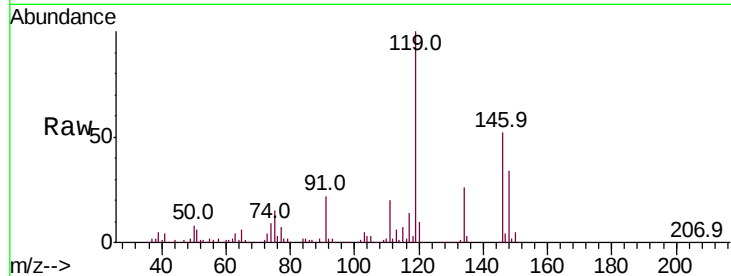
#83
 1,3-Dichlorobenzene
 Concen: 19.425 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.6
148	64.9	32.2	96.6

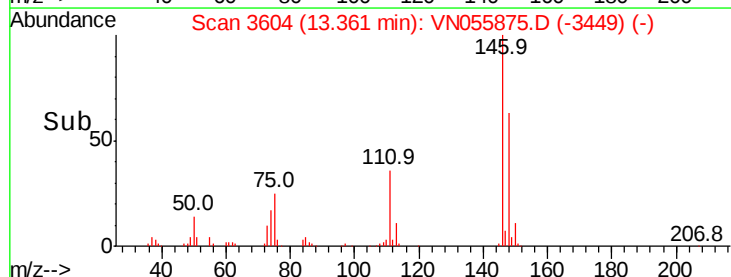
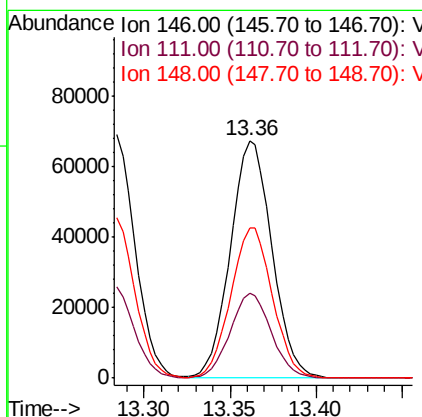
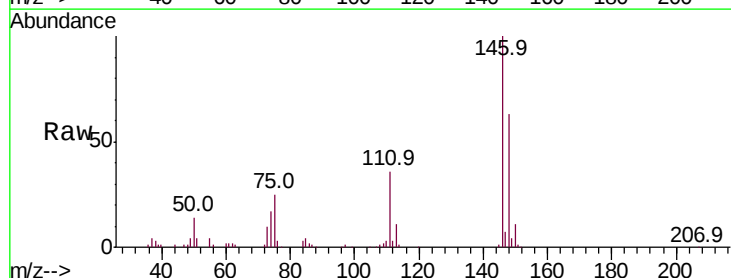
Manual Integrations
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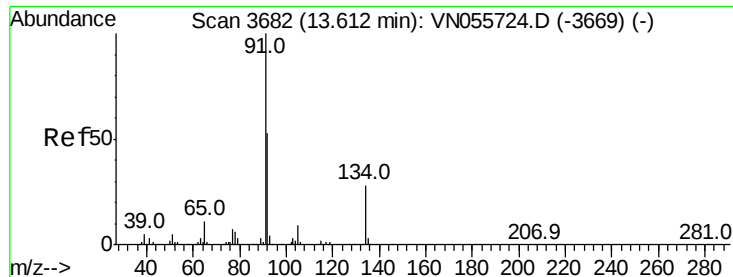
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 5/30/2019 9:35:11 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.126 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.5	52.6
148	63.6	31.8	95.4





#85

n-Butylbenzene

Concen: 18.588 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

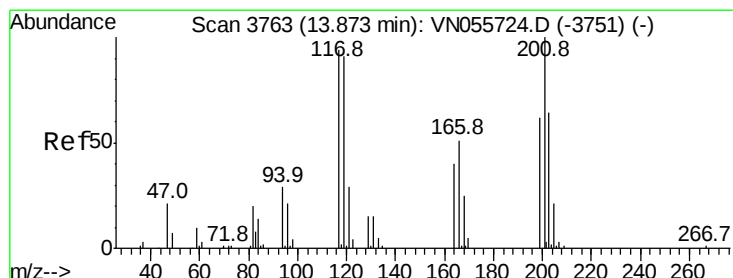
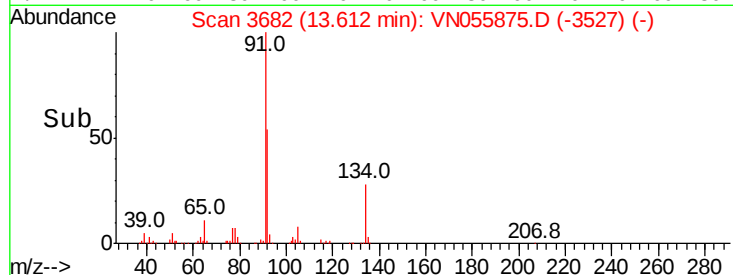
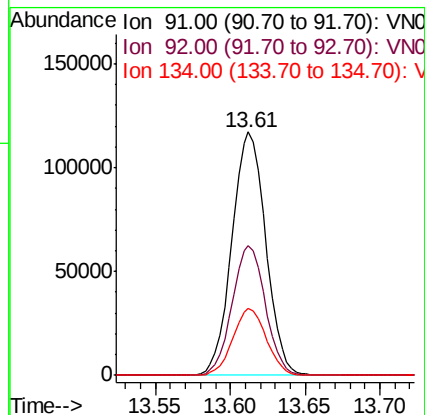
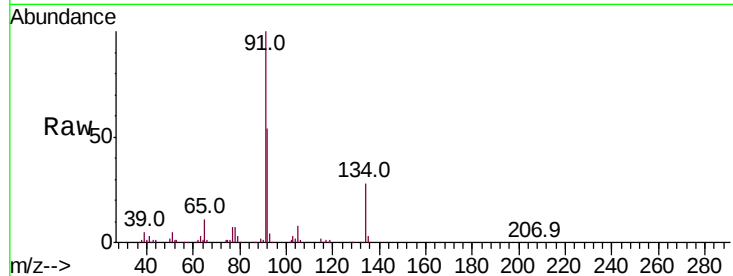
ClientSampleId :

VN0529WBS01

Tot Ion:	91	Resp:	184715
Ion Ratio	Lower	Upper	
91	100		
92	52.3	0.0	106.8
134	27.2	0.0	55.2

Manual Integrations
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#86

Hexachloroethane

Concen: 16.720 ug/l

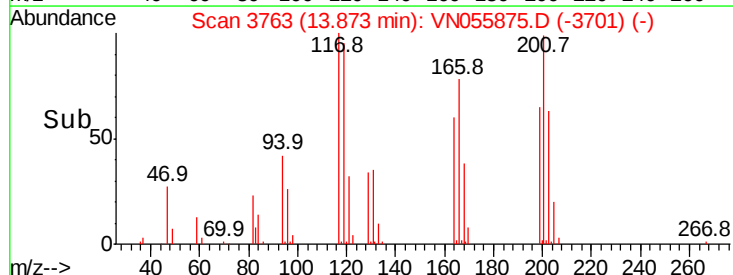
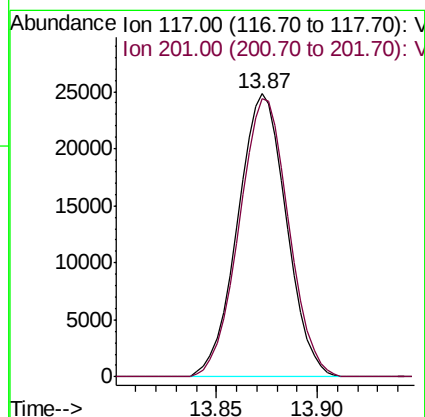
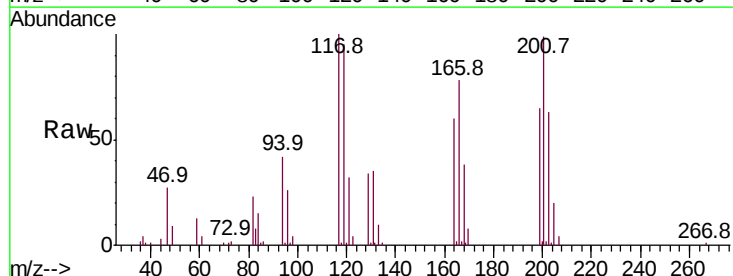
RT: 13.87 min Scan# 3763

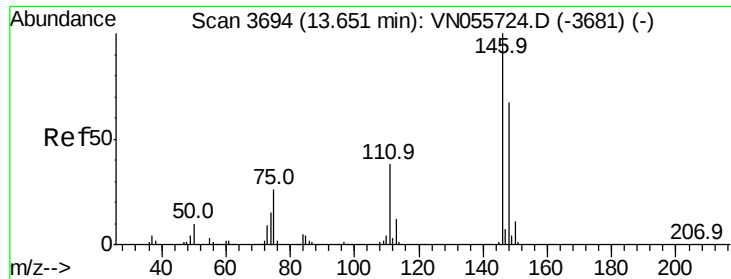
Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Tgt Ion:	117	Resp:	42006
Ion Ratio	Lower	Upper	
117	100		
201	99.5	52.5	157.6





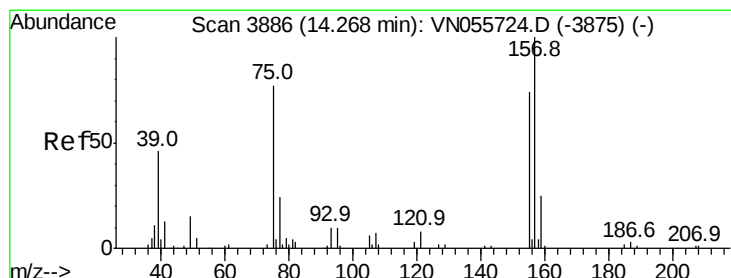
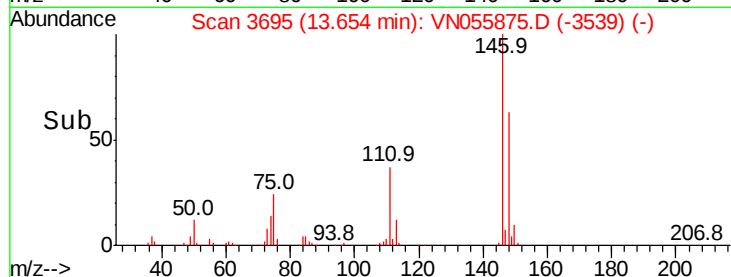
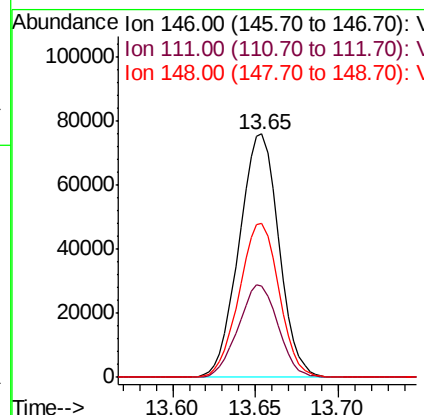
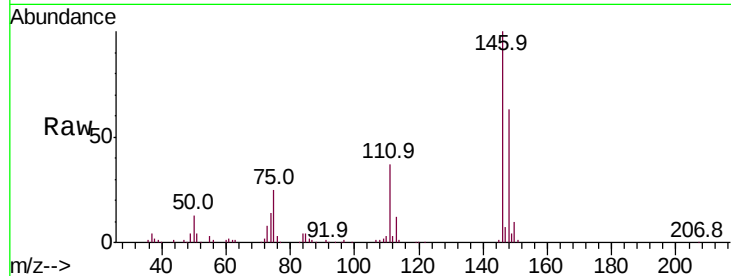
#87
 1,2-Dichlorobenzene
 Concen: 20.276 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.2	57.6
148	63.4	32.7	98.1

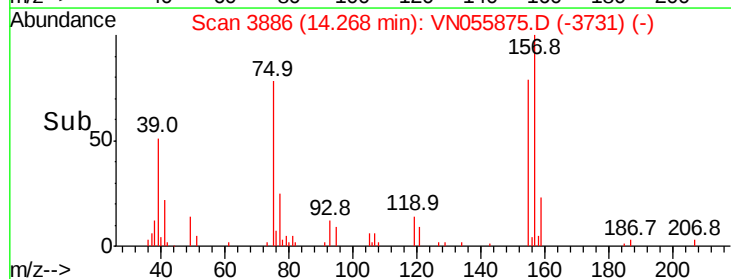
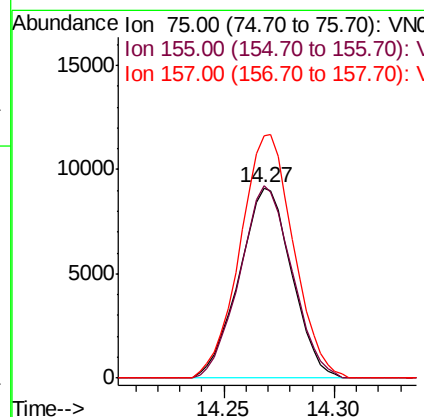
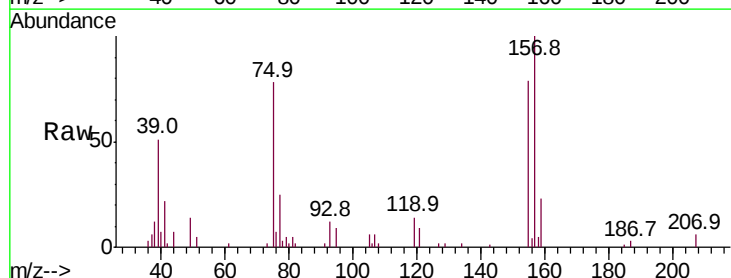
Manual Integrations
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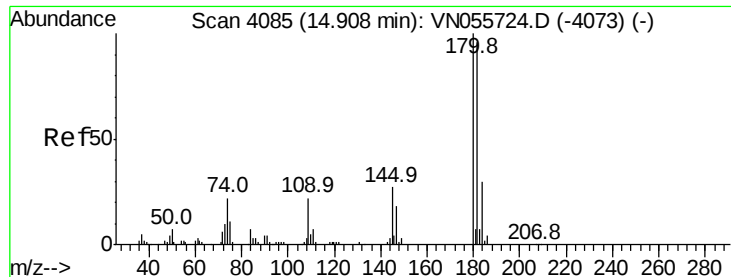
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.201 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	78.4	117.6
157	129.9	105.0	157.4





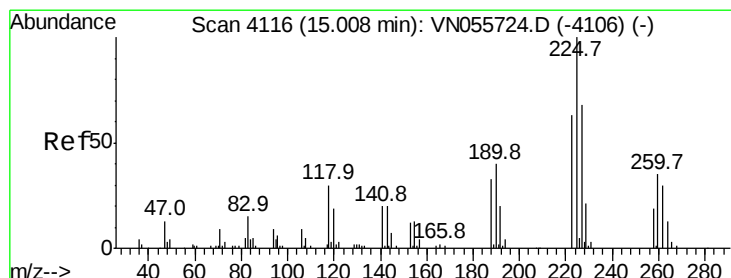
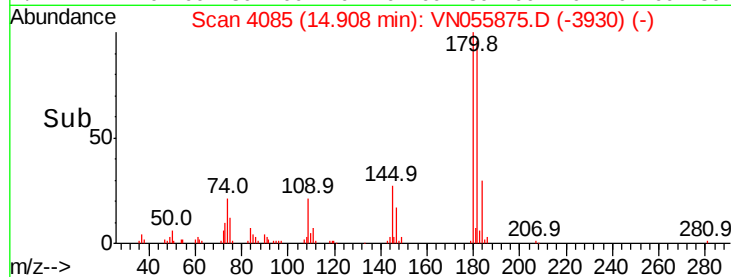
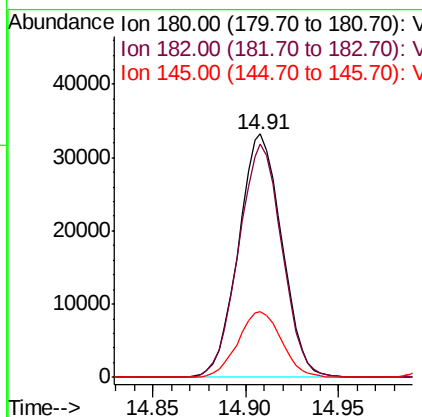
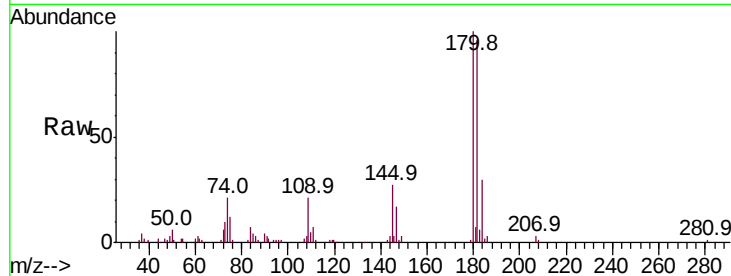
#89
 1,2,4-Trichlorobenzene
 Concen: 15.915 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	27.1	21.8	32.8

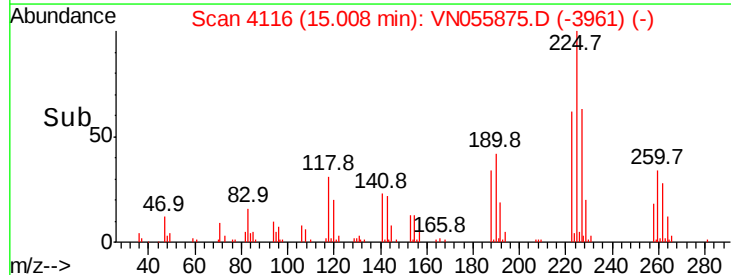
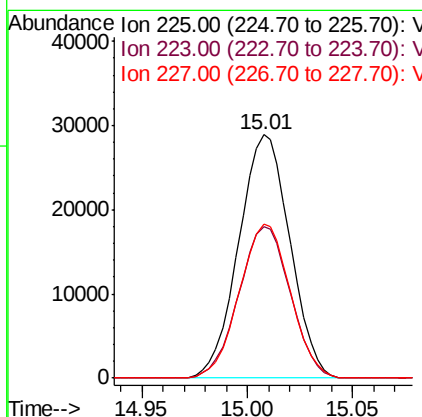
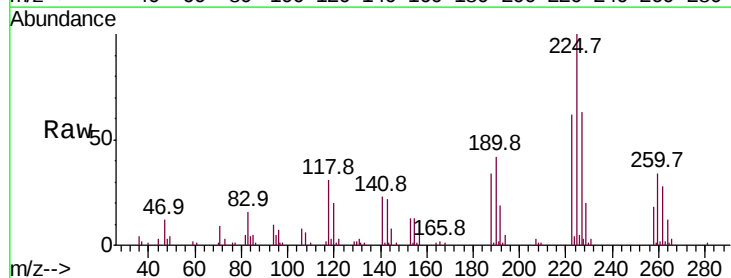
Manual Integrations
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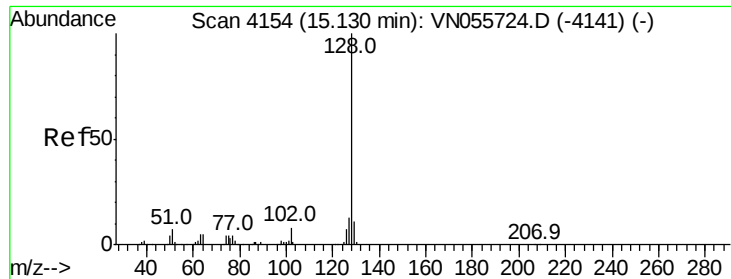
MMDadoda
 5/30/2019 9:35:11 AM



#90
 Hexachlorobutadiene
 Concen: 19.283 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	126.0
227	63.0	0.0	133.0





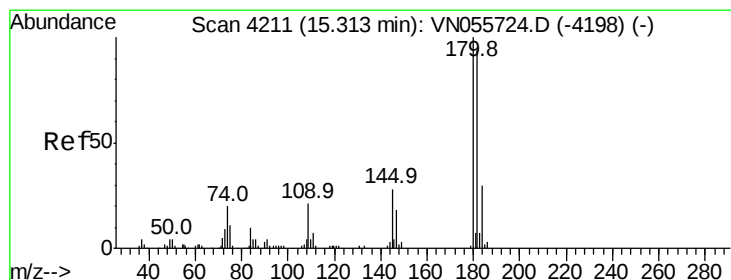
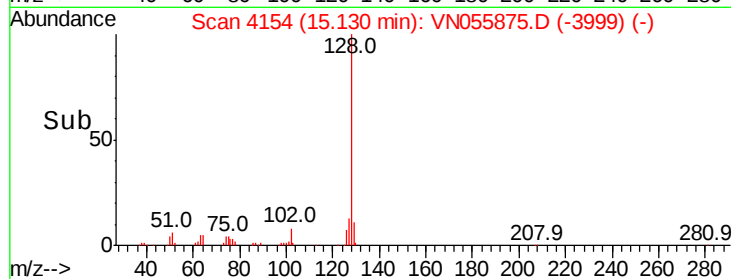
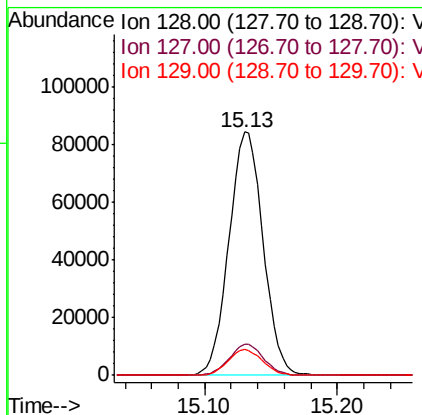
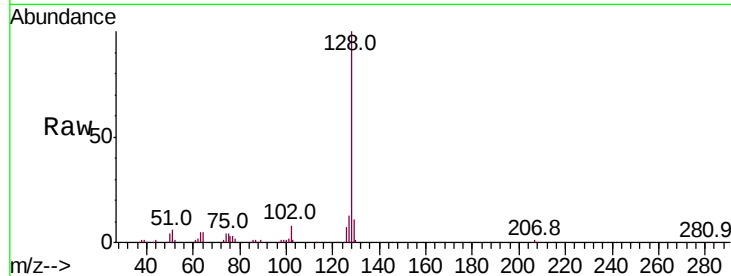
#91
Naphthalene
Concen: 16.305 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/30/2019 9:35:11 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.533 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	188.6
145	28.3	0.0	56.8

