

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051743.D
 Acq On : 9 Oct 2018 11:09
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:10 AM

Quant Time: Oct 10 05:32:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	119179	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	674946	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	608552	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	246559	29.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.37%
60) 4-Bromofluorobenzene	12.40	95	261132	28.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.73%
63) Toluene-d8	10.09	98	807527	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	145748	20.965	ug/l 99
3) Chloromethane	2.06	50	125483	18.387	ug/l 99
4) Vinyl Chloride	2.18	62	195561	18.840	ug/l 98
5) Bromomethane	2.54	94	151980	18.835	ug/l 87
6) Chloroethane	2.68	64	138421	19.895	ug/l 100
7) Trichlorofluoromethane	3.00	101	276382	23.249	ug/l 96
8) Diethyl Ether	3.41	74	63139	19.884	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126387	20.732	ug/l # 39
10) 1,1-Dichloroethene	3.73	96	111093	19.969	ug/l 85
11) Methyl Iodide	3.95	142	152209	21.311	ug/l 97
12) Methyl Acetate	4.32	43	97133	22.125	ug/l 98
13) Acrolein	3.61	56	38295	118.654	ug/l 93
14) Acrylonitrile	4.99	53	176674	98.564	ug/l # 58
15) Acetone	3.82	58	46830	109.321	ug/l 87
16) Carbon Disulfide	4.05	76	292708	18.394	ug/l 98
17) Allyl chloride	4.32	41	154402	19.029	ug/l 80
18) Methylene Chloride	4.55	84	127488	20.312	ug/l 94
19) trans-1,2-Dichloroethene	5.04	96	122962	19.552	ug/l 89
20) Diisopropyl ether	5.95	45	338151	18.555	ug/l # 89
21) 1,1-Dichloroethane	5.85	63	218556	19.216	ug/l # 96
22) cis-1,2-Dichloroethene	6.83	96	145637	19.683	ug/l 89
23) tert-Butyl Alcohol	4.80	59	52376m	113.122	ug/l
24) Methyl tert-Butyl Ether	5.05	73	354471	19.844	ug/l # 59
25) Chloroform	7.37	83	250453	19.475	ug/l 94
26) Cyclohexane	7.65	56	184864	19.127	ug/l # 81
29) 1,1-Dichloropropene	7.79	75	175643	19.580	ug/l 96
30) 2-Butanone	6.84	43	235097	107.610	ug/l # 94
31) 2,2-Dichloropropane	6.83	77	227150	20.326	ug/l # 82
32) 1,1,1-Trichloroethane	7.57	97	234731	19.458	ug/l 97
33) Carbon Tetrachloride	7.77	117	210747	19.270	ug/l 92
34) Benzene	8.04	78	521937	19.234	ug/l # 71
35) Methacrylonitrile	7.18	41	48183	19.984	ug/l 77
36) 1,2-Dichloroethane	8.13	62	178316	19.633	ug/l 99
37) Trichloroethene	8.83	130	152030	20.148	ug/l 99
38) Methylcyclohexane	9.08	83	219782	19.348	ug/l 83
39) 1,2-Dichloropropane	9.12	63	129245	19.445	ug/l 96
40) Dibromomethane	9.21	93	93384	20.309	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	195913	19.092	ug/l	94
42) Vinyl Acetate	5.90	43	1233221	95.800	ug/l #	94
43) Ethyl Acetate	6.93	43	92094	20.033	ug/l	96
44) Isopropyl Acetate	8.17	43	196637	19.341	ug/l	100
45) 1,4-Dioxane	9.20	88	27202	423.452	ug/l #	83
46) Methyl methacrylate	9.20	41	92272	20.358	ug/l	83
47) n-amyl Acetate	12.07	43	151922m	17.602	ug/l	
48) t-1,3-Dichloropropene	10.38	75	192954	18.587	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	210130	18.780	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	128170	19.765	ug/l	96
51) Ethyl methacrylate	10.43	69	153057	18.558	ug/l	88
52) 1,3-Dichloropropane	10.71	76	202234	19.583	ug/l	97
53) Dibromochloromethane	10.90	129	155226	18.224	ug/l	97
54) 1,2-Dibromoethane	11.01	107	131630	19.349	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	284885	83.381	ug/l	94
56) Bromoform	12.13	173	103909	17.017	ug/l #	91
58) 4-Methyl-2-Pentanone	9.99	43	507076	101.486	ug/l #	93
59) 2-Hexanone	10.75	43	343953	101.702	ug/l	94
61) Tetrachloroethene	10.63	164	146770	20.472	ug/l	99
62) Toluene	10.16	91	613533	19.903	ug/l	100
64) Chlorobenzene	11.43	112	391739	19.799	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	155627	19.326	ug/l	98
66) Ethyl Benzene	11.51	91	671119	19.353	ug/l	99
67) m/p-Xylenes	11.62	106	547501	39.474	ug/l	98
68) o-Xylene	11.95	106	270946	19.806	ug/l	91
69) Styrene	11.96	104	408135	18.699	ug/l	98
70) Isopropylbenzene	12.25	105	723914	19.694	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	157294	20.490	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	146610m	23.941	ug/l	
73) Bromobenzene	12.53	156	171482	19.396	ug/l	87
74) n-propylbenzene	12.59	91	784477	19.386	ug/l	97
75) 2-Chlorotoluene	12.67	91	463141	19.588	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	612495	19.637	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40010	17.524	ug/l	98
78) 4-Chlorotoluene	12.77	91	453618	19.144	ug/l	93
79) tert-butylbenzene	12.99	119	559244	19.935	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	621682	20.038	ug/l	99
81) sec-Butylbenzene	13.17	105	741199	19.750	ug/l	97
82) p-Isopropyltoluene	13.29	119	660799	19.987	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	308088	19.486	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	284511	18.831	ug/l	98
85) n-Butylbenzene	13.61	91	492867	18.861	ug/l	96
86) Hexachloroethane	13.88	117	119141	18.213	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	299237	19.315	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23434	18.539	ug/l #	80
89) 1,2,4-Trichlorobenzene	14.91	180	108218	18.310	ug/l	97
90) Hexachlorobutadiene	15.01	225	99410	21.086	ug/l	97
91) Naphthalene	15.13	128	209040	14.289	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	108776	16.275	ug/l	91

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

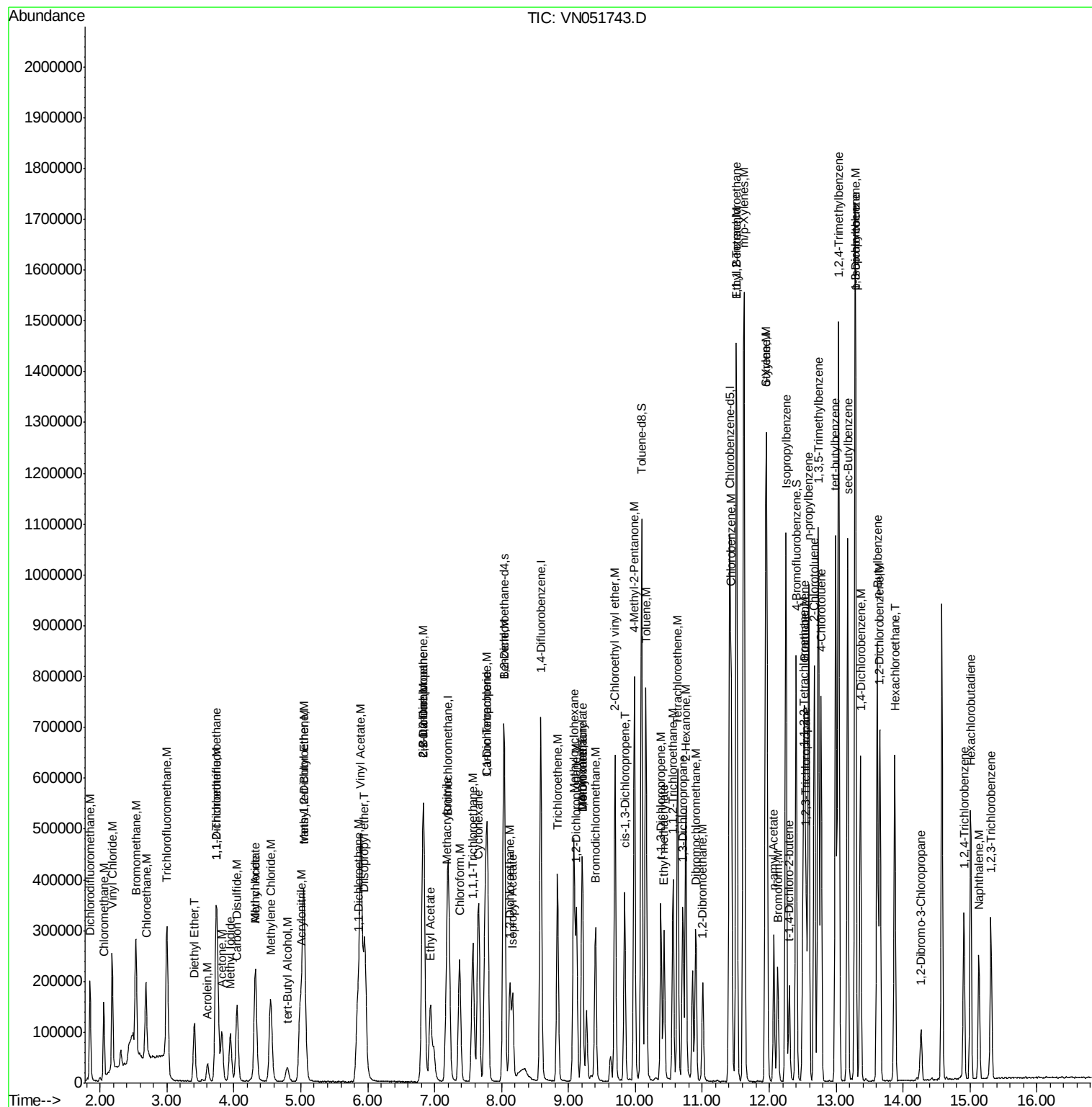
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
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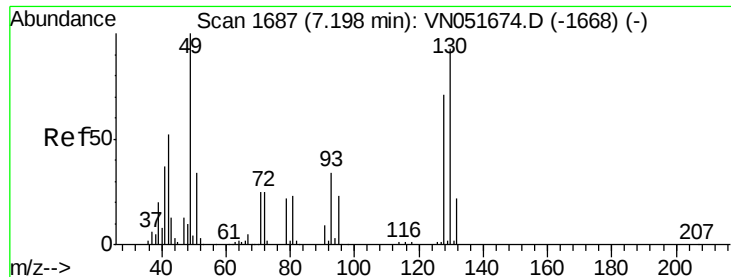
Instrument :
MSVOA_N
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VSTDCCC020

Manual Integrations
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Quant Time: Oct 10 05:32:23 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

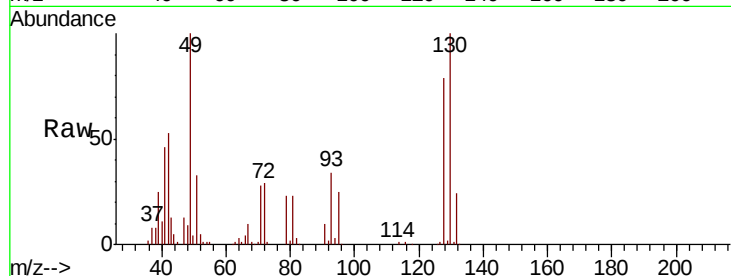
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	119179
Ion	Ratio	Lower	Upper
128	100		
49	131.5	0.0	403.3
130	129.5	0.0	326.0

Manual Integrations
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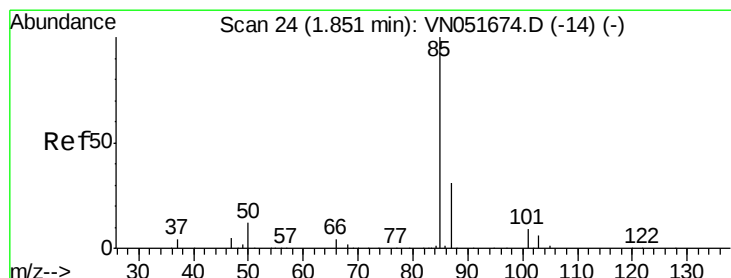
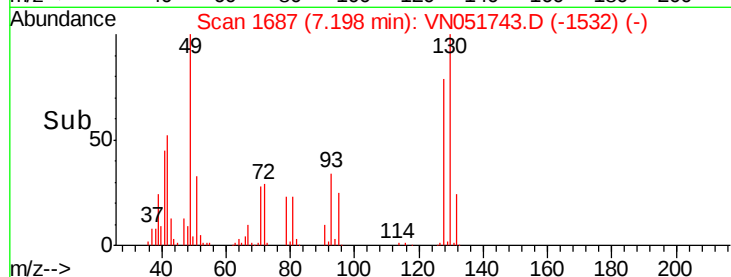
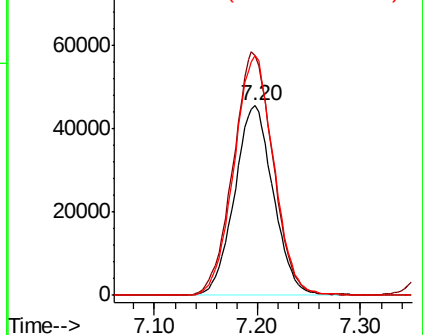
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.965 ug/l

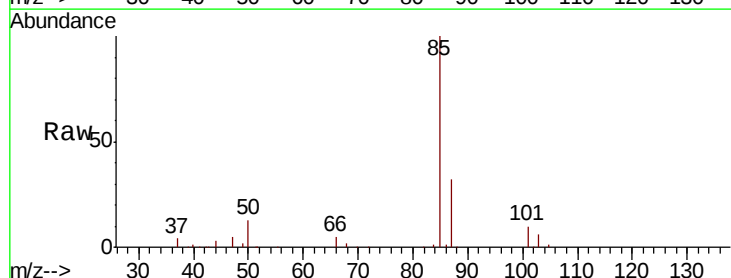
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051743.D

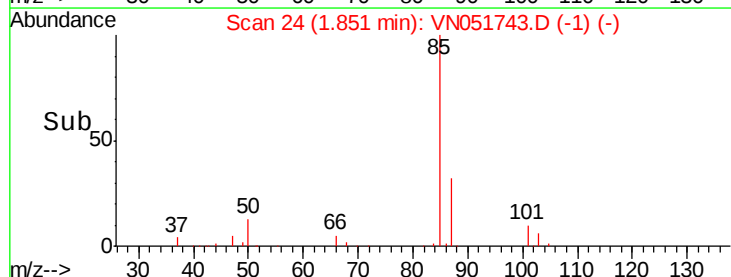
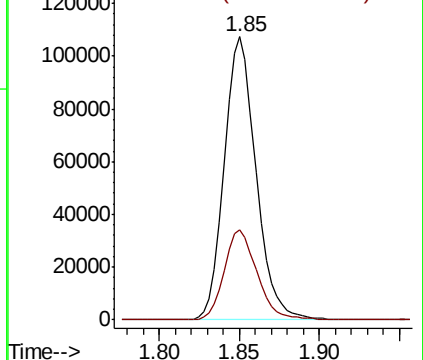
Acq: 9 Oct 2018 11:09

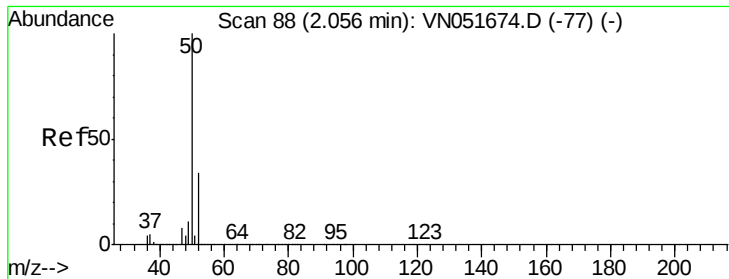
Tgt Ion:	85	Resp:	145748
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.387 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 125483

Ion Ratio Lower Upper

50 100

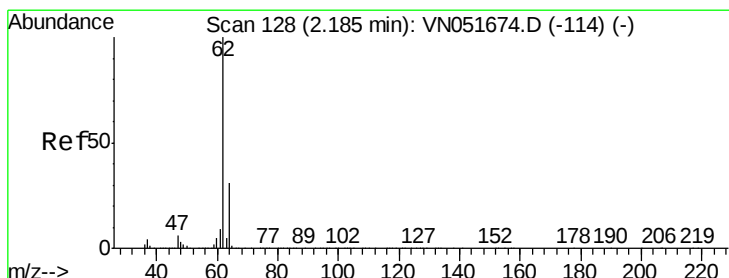
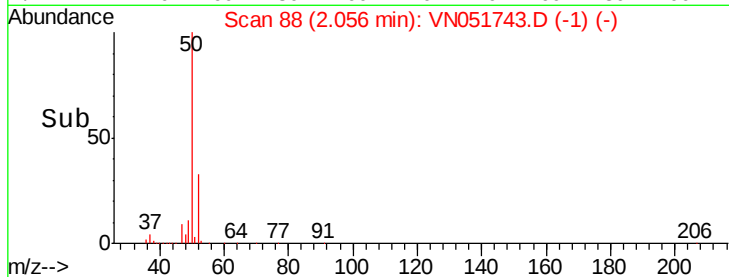
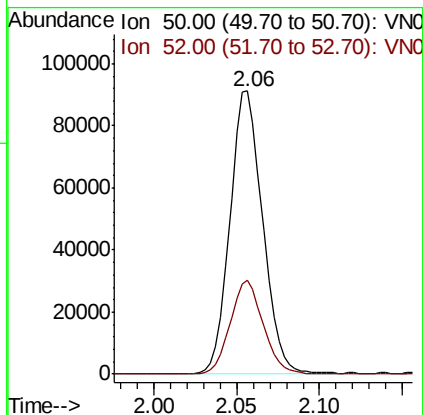
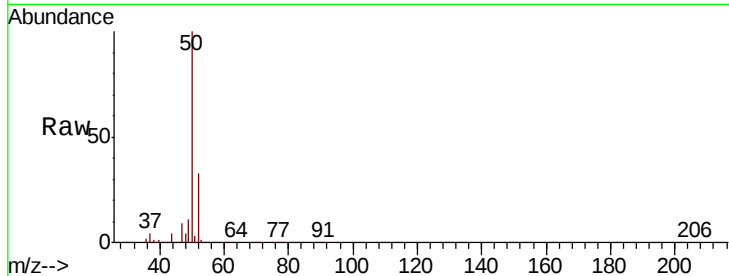
52 33.2 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.840 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051743.D

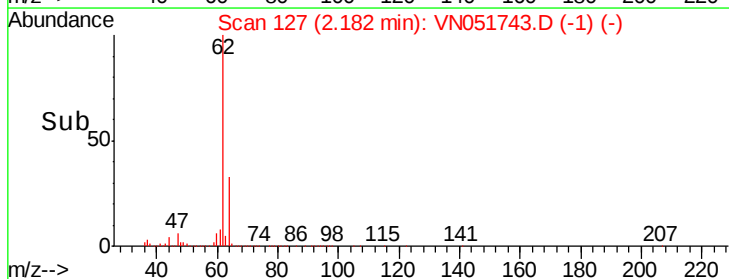
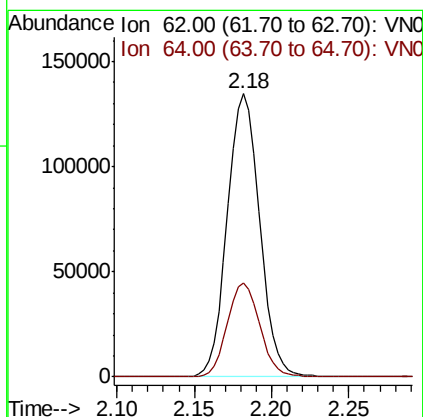
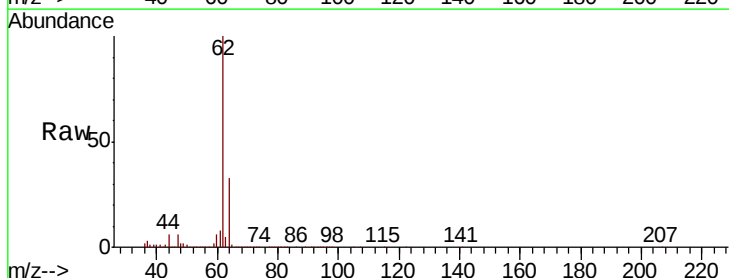
Acq: 9 Oct 2018 11:09

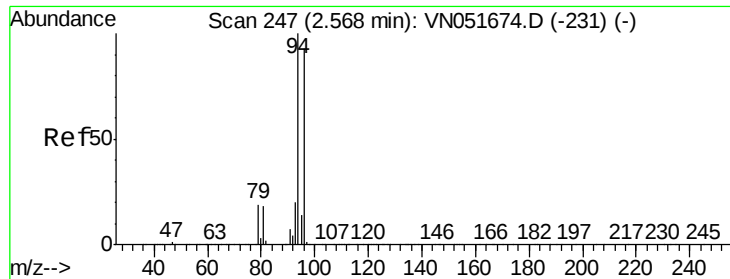
Tgt Ion: 62 Resp: 195561

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2





#5

Bromomethane

Concen: 18.835 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.03 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

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VSTDCCC020

Tot Ion: 94 Resp: 151980

Ion Ratio Lower Upper

94 100

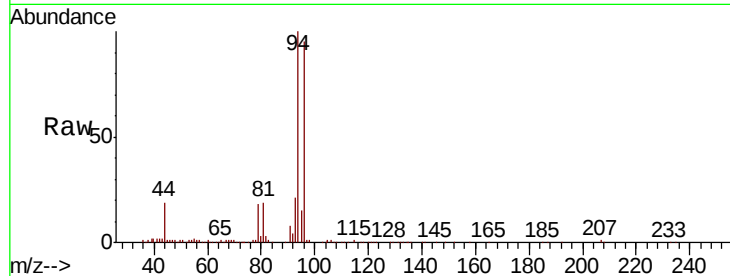
96 95.1 66.4 99.6

Manual Integrations

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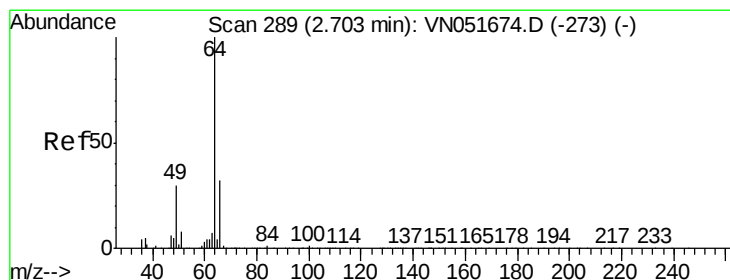
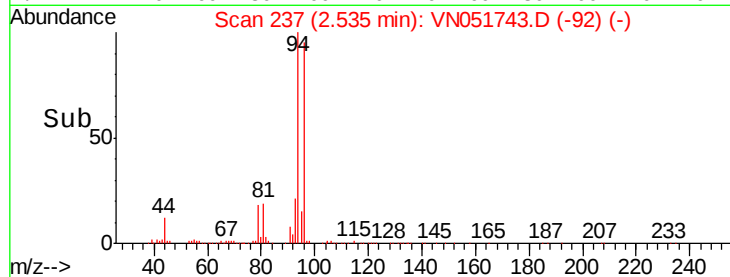
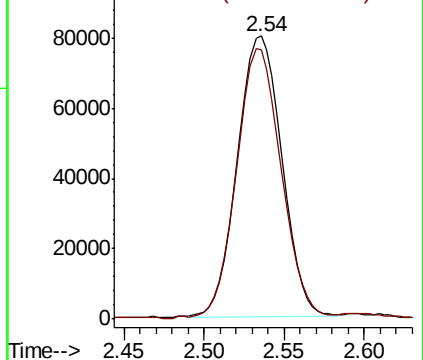
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.895 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.02 min

Lab File: VN051743.D

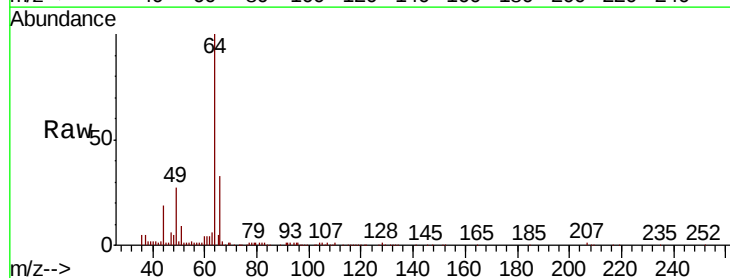
Acq: 9 Oct 2018 11:09

Tgt Ion: 64 Resp: 138421

Ion Ratio Lower Upper

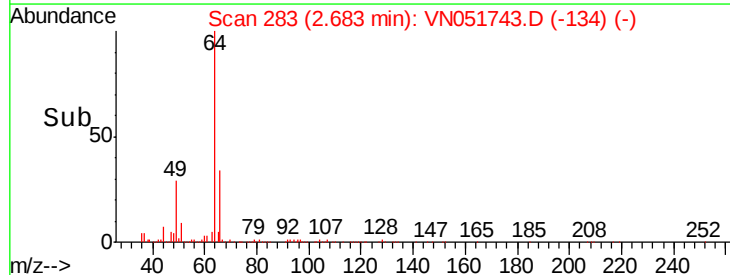
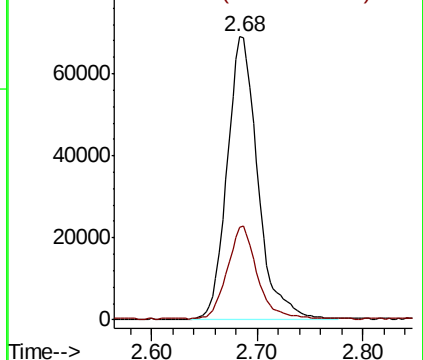
64 100

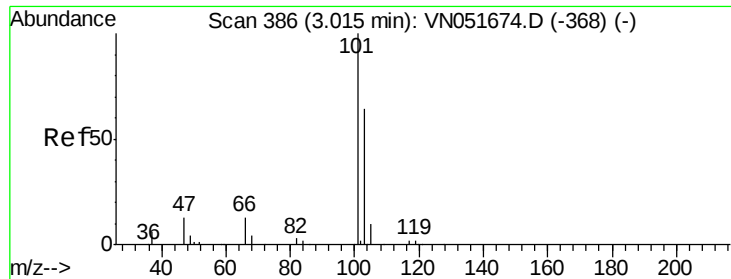
66 32.4 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

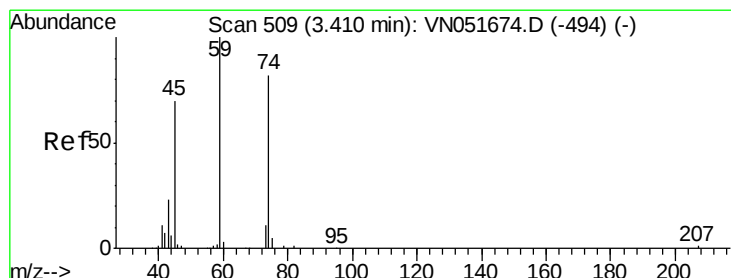
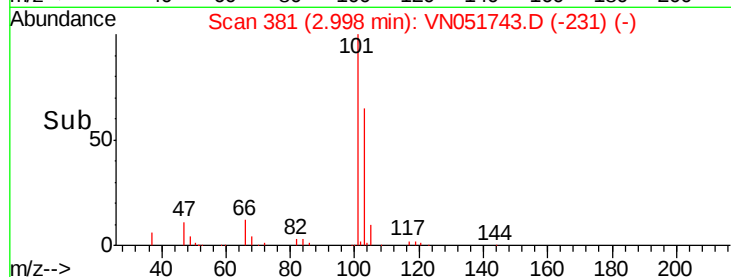
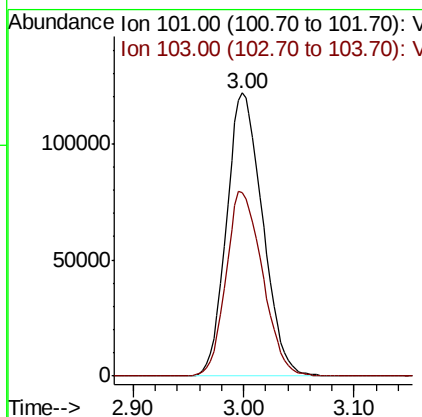
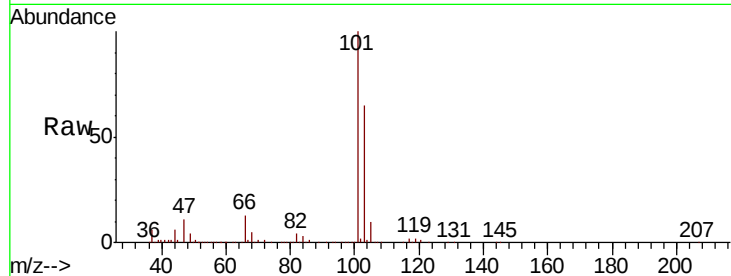
Trichlorofluoromethane
 Concen: 23.249 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	54.8	82.2

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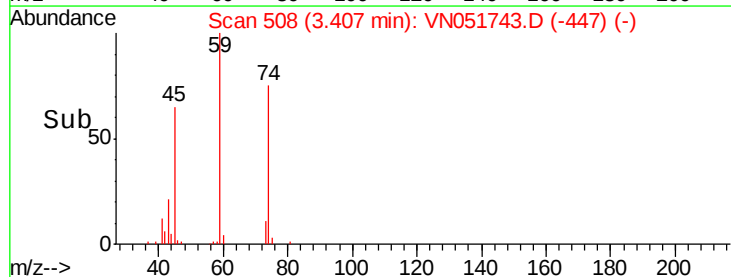
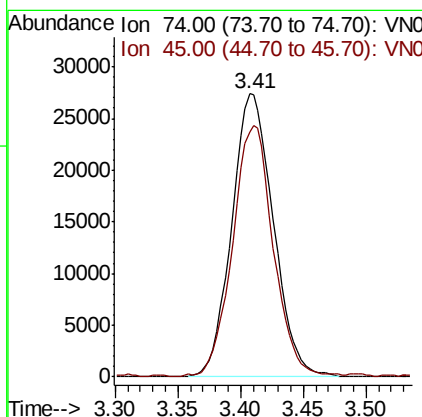
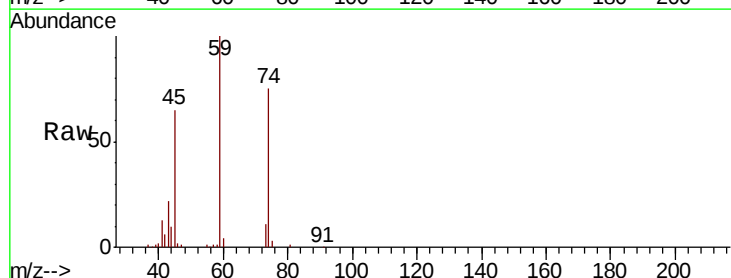
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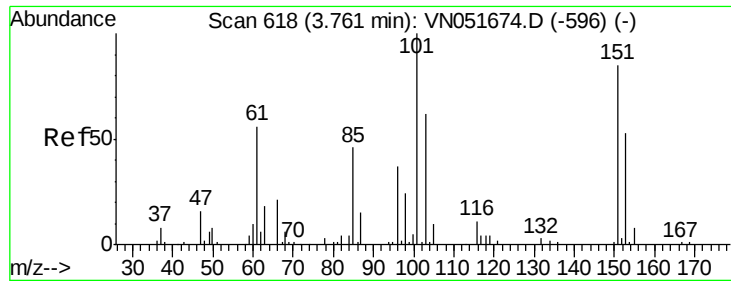


#8

Diethyl Ether
 Concen: 19.884 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.8	20.7	186.5





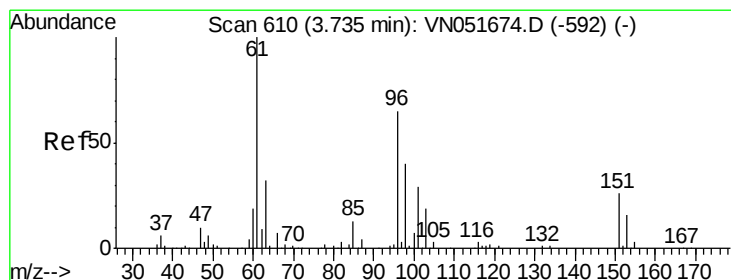
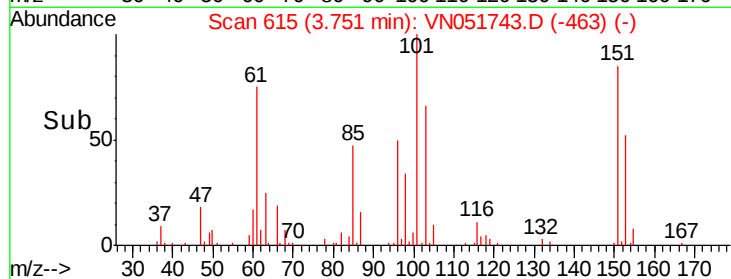
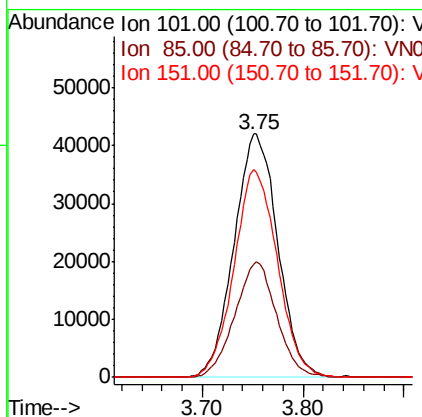
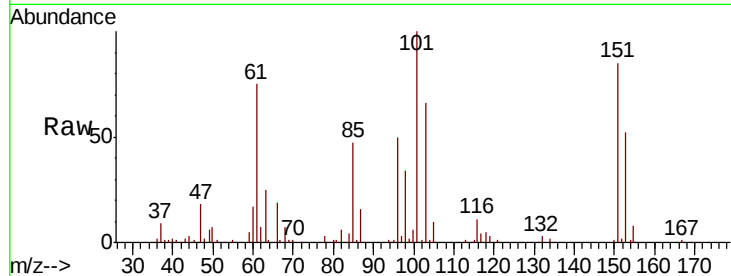
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.732 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	45.1	0.0	46.0
151	84.6	0.0	82.2

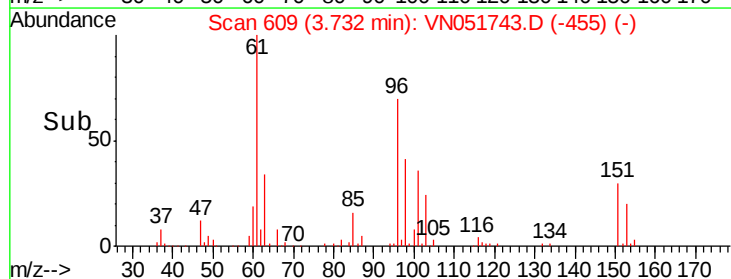
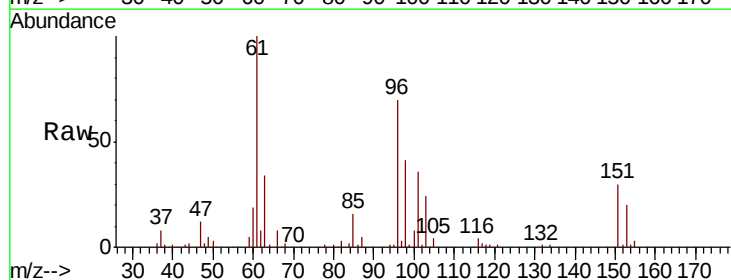
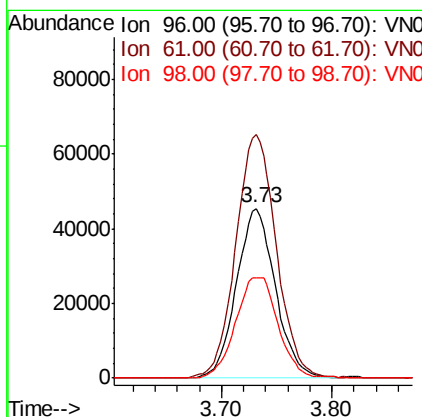
Manual Integrations
 APPROVED

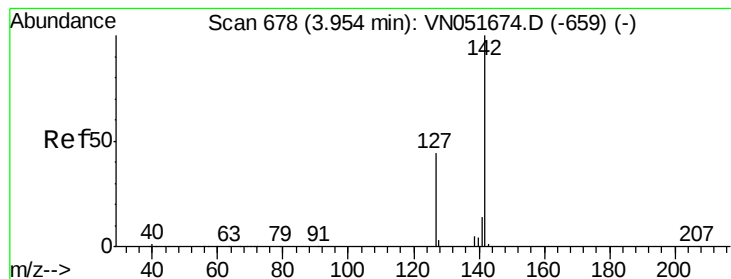
MMDadoda
 10/10/2018 10:09:10 AM



#10
 1,1-Dichloroethene
 Concen: 19.969 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	143.3	133.0	199.6
98	59.2	52.6	78.8





#11

Methyl Iodide

Concen: 21.311 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

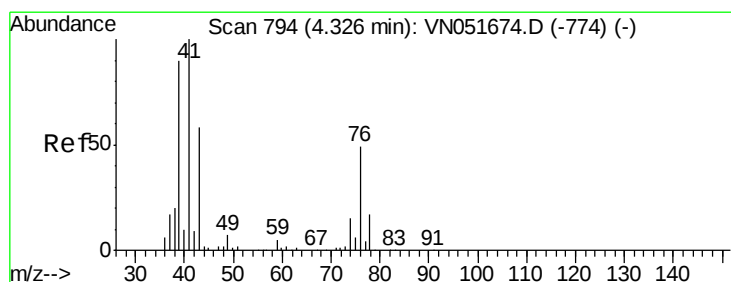
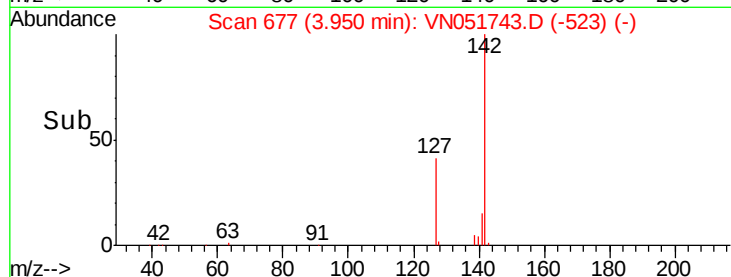
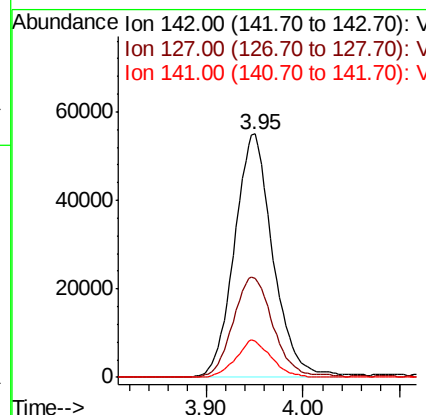
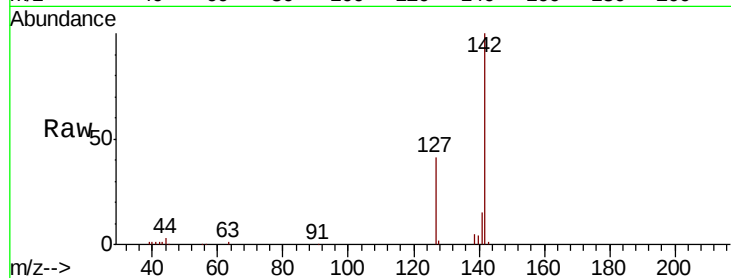
ClientSampleId :

VSTDCCC020

Tot Ion:	142	Resp:	152209
Ion Ratio	Lower	Upper	
142	100		
127	40.6	19.7	59.0
141	15.2	6.3	18.9

Manual Integrations
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10/10/2018 10:09:10 AM



#12

Methyl Acetate

Concen: 22.125 ug/l

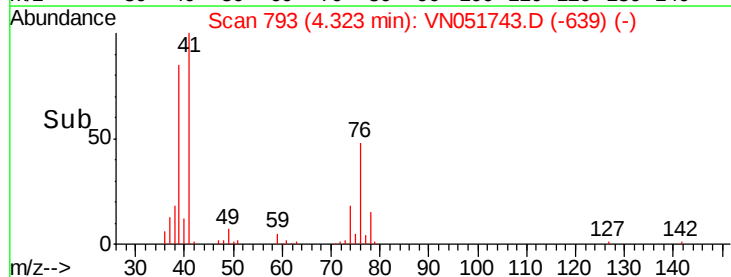
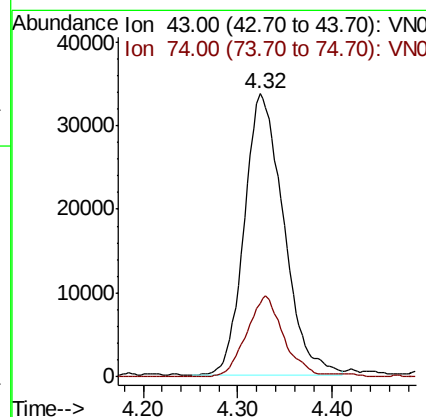
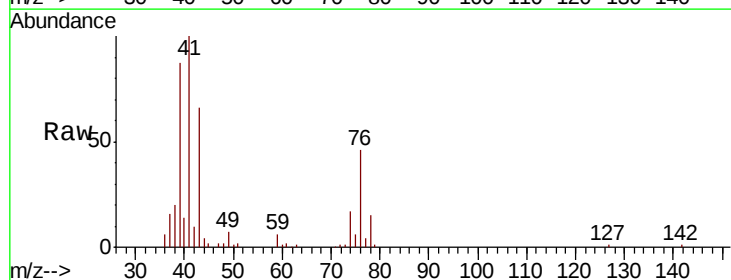
RT: 4.32 min Scan# 793

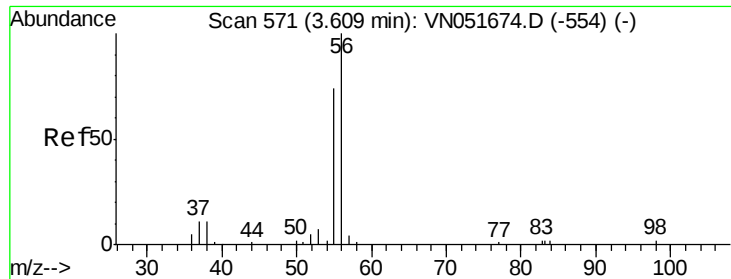
Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Tgt Ion:	43	Resp:	97133
Ion Ratio	Lower	Upper	
43	100		
74	25.9	21.8	32.6





#13

Acrolein

Concen: 118.654 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 38295

Ion Ratio Lower Upper

56 100

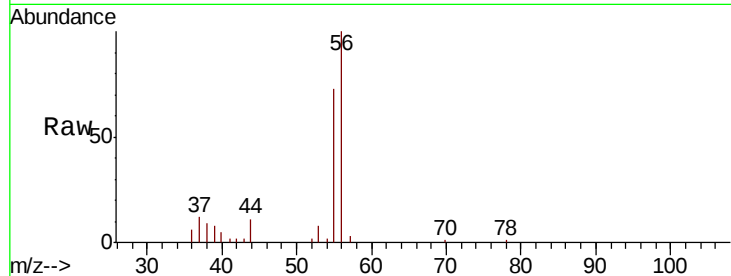
55 74.2 64.0 96.0

Manual Integrations

APPROVED

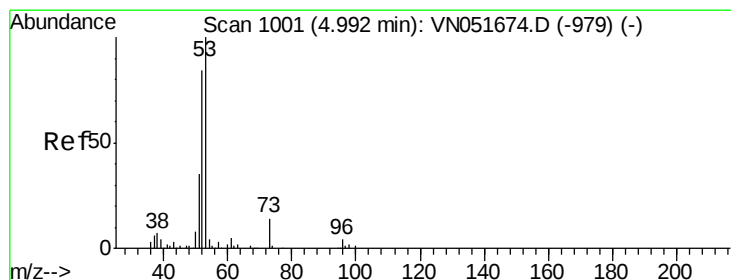
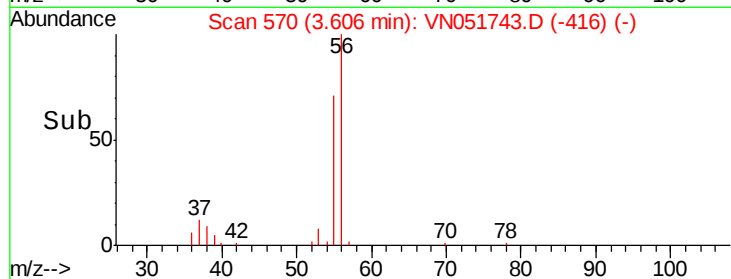
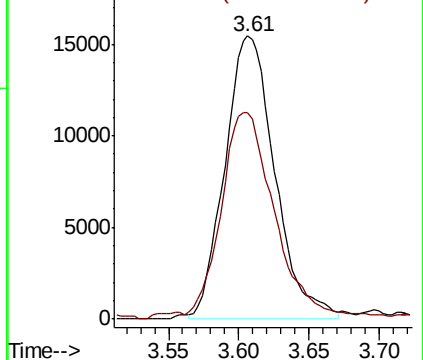
MMDadoda

10/10/2018 10:09:10 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.564 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

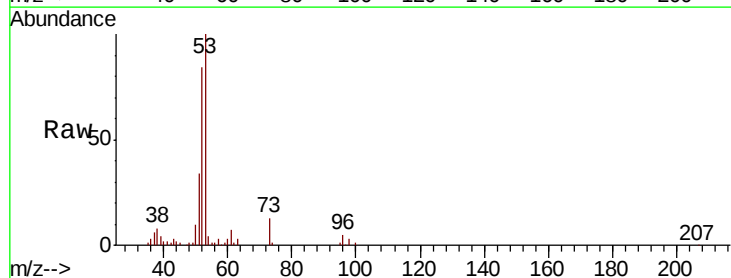
Tgt Ion: 53 Resp: 176674

Ion Ratio Lower Upper

53 100

52 85.7 18.3 54.8#

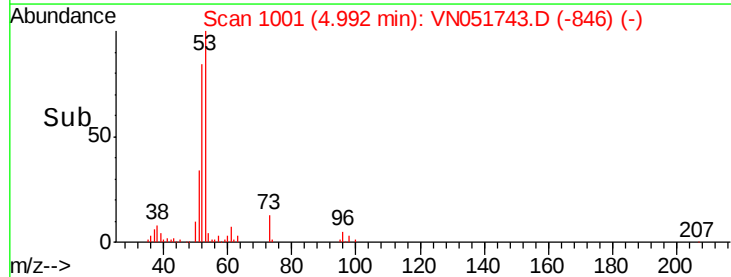
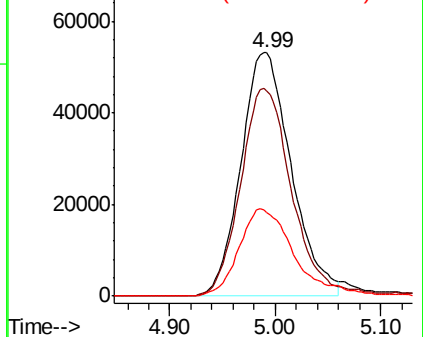
51 37.3 19.7 59.1

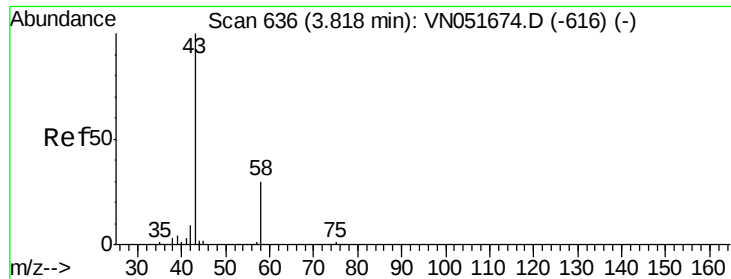


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 109.321 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 46830

Ion Ratio Lower Upper

58 100

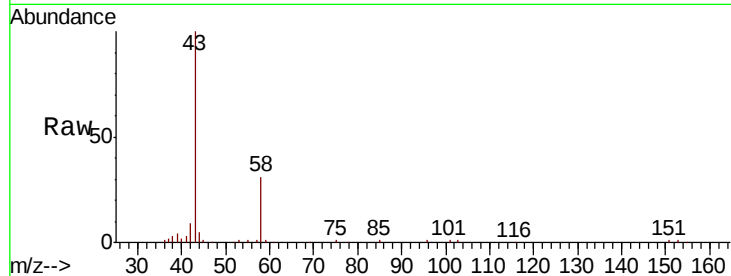
43 315.3 232.2 348.2

Manual Integrations

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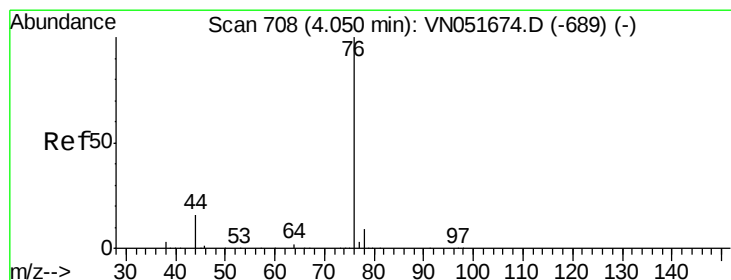
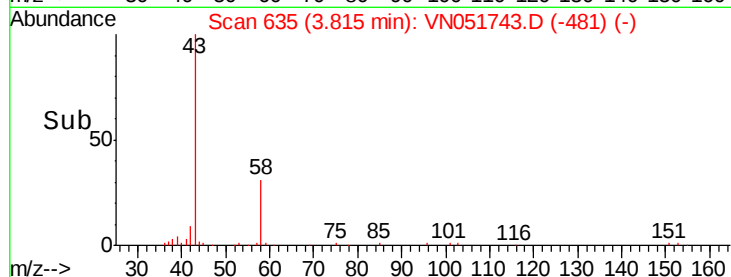
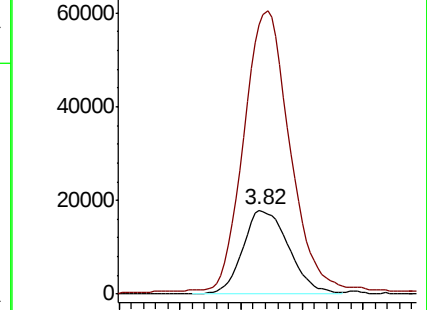
MMDadoda

10/10/2018 10:09:10 AM



Abundance Ion 58.00 (57.70 to 58.70): VN051743.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN051743.D (-616) (-)



#16

Carbon Disulfide

Concen: 18.394 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN051743.D

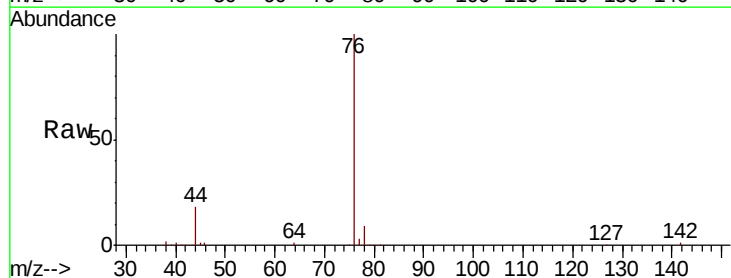
Acq: 9 Oct 2018 11:09

Tgt Ion: 76 Resp: 292708

Ion Ratio Lower Upper

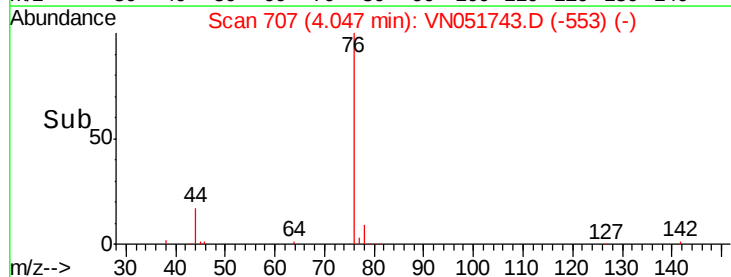
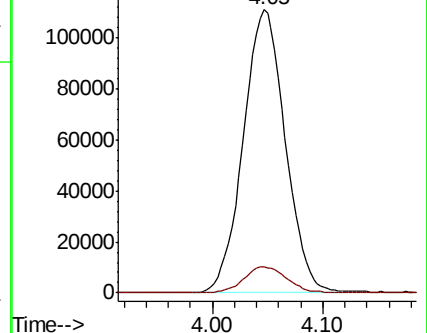
76 100

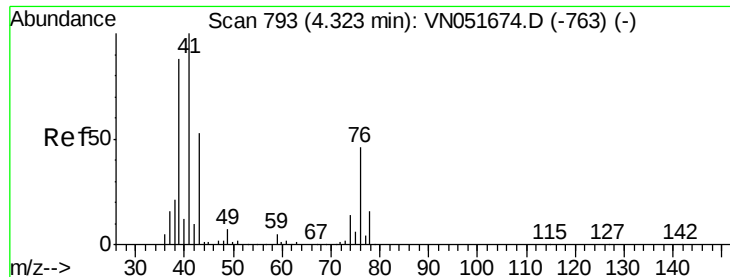
78 9.1 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051743.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051743.D (-689) (-)





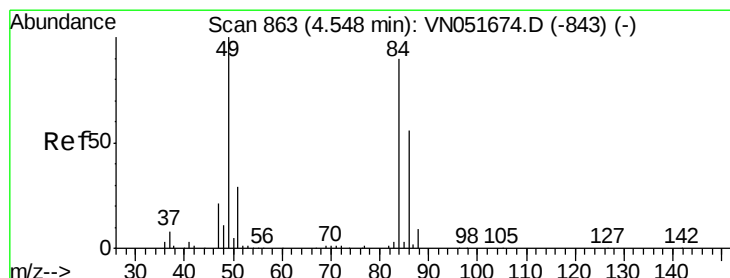
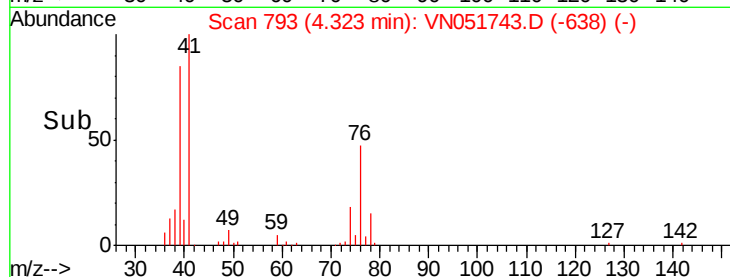
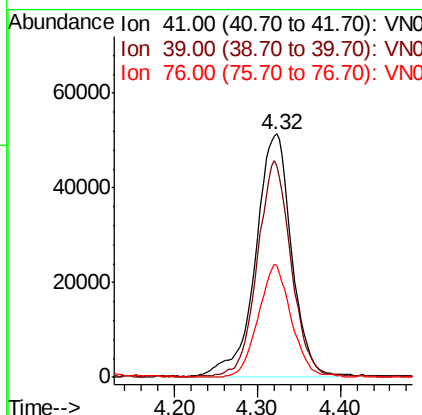
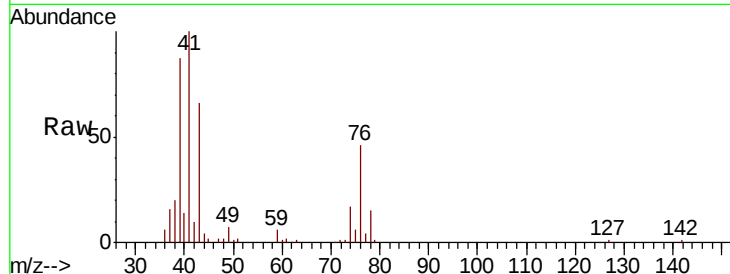
#17
Allvl chloride
Concen: 19.029 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	86.7	32.6	97.8
76	45.6	20.2	60.5

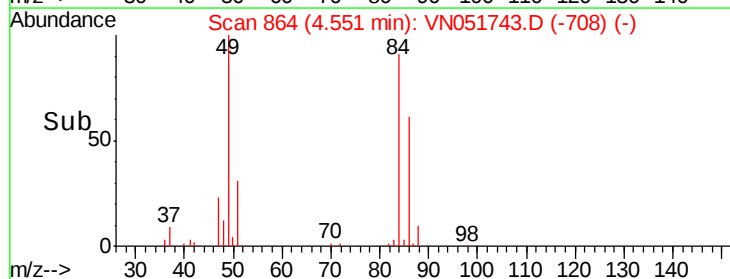
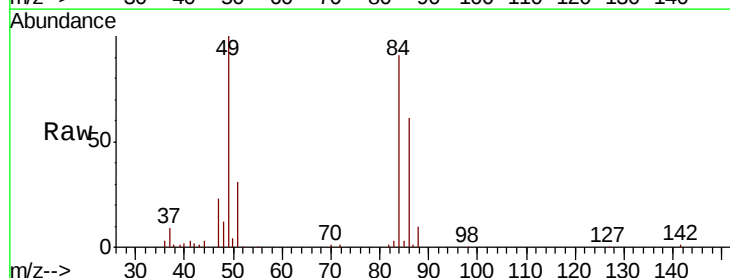
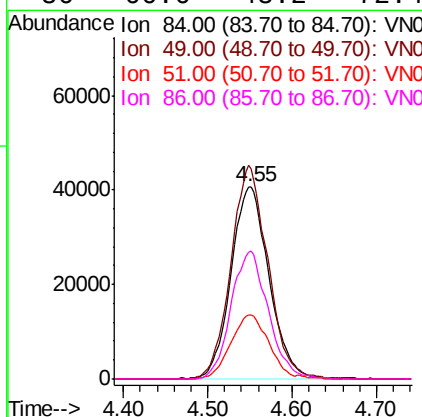
Manual Integrations
APPROVED

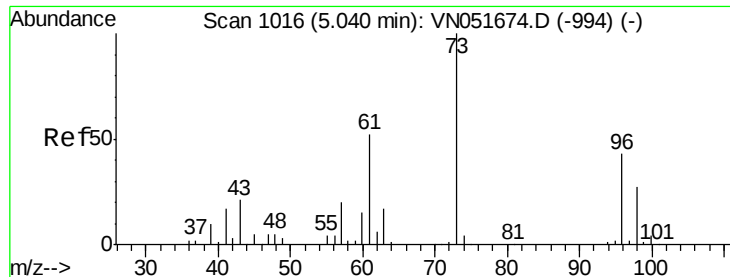
MMDadoda
10/10/2018 10:09:10 AM



#18
Methylene Chloride
Concen: 20.312 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.5	91.6	137.4
51	33.5	29.8	44.6
86	66.6	48.2	72.4





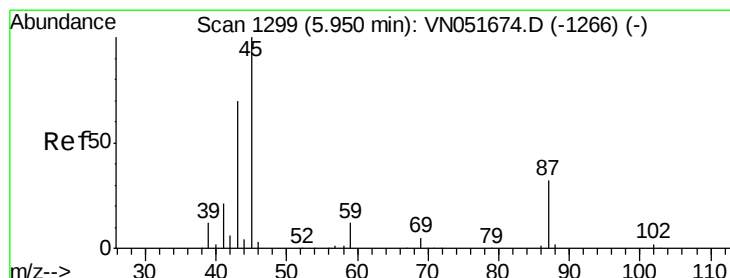
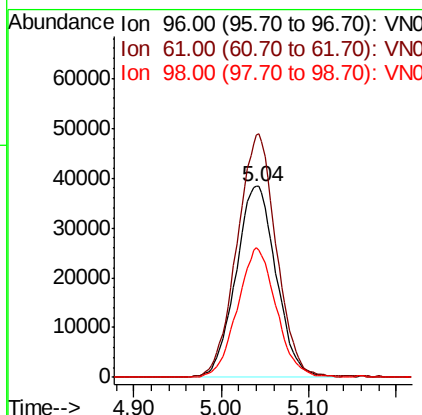
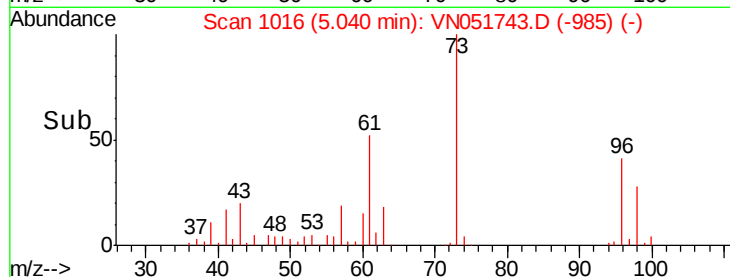
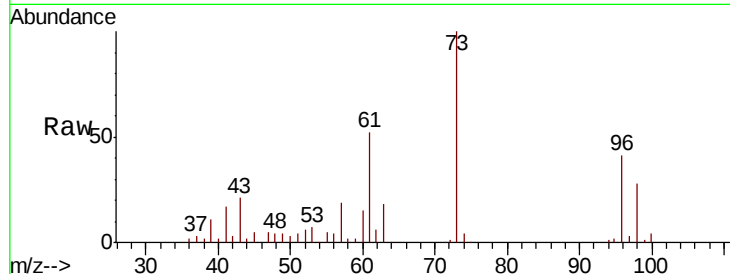
#19
trans-1,2-Dichloroethene
Concen: 19.552 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.7	112.3	168.5
98	67.9	47.1	70.7

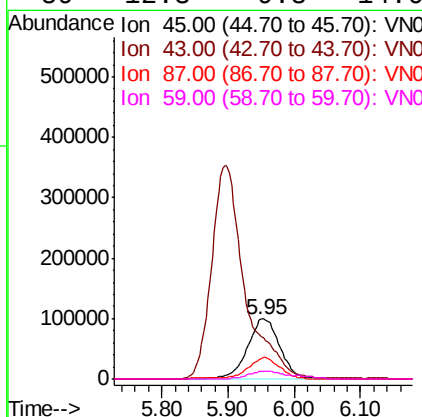
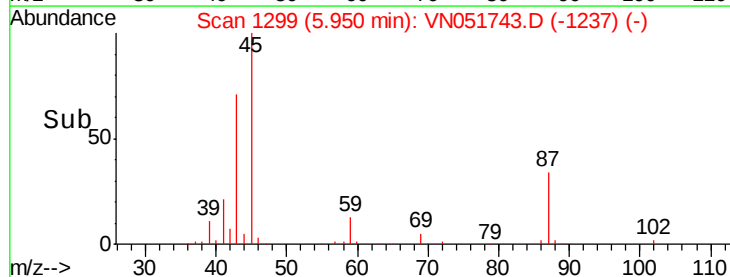
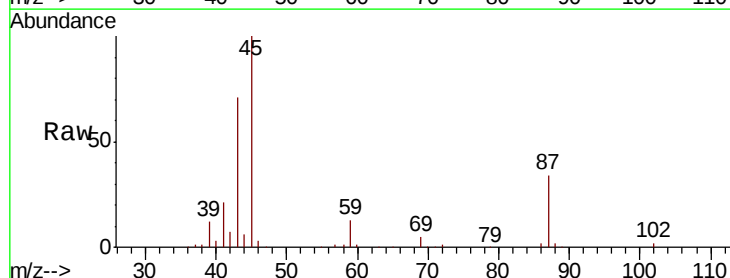
Manual Integrations
APPROVED

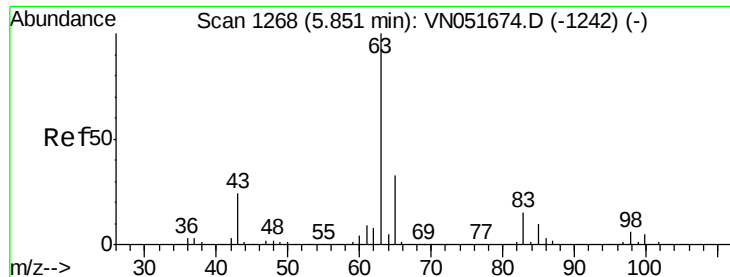
MMDadoda
10/10/2018 10:09:10 AM



#20
Diisopropyl ether
Concen: 18.555 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.0	62.1	93.1
87	34.0	19.9	29.9
59	12.3	9.8	14.6





#21

1,1-Dichloroethane

Concen: 19.216 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

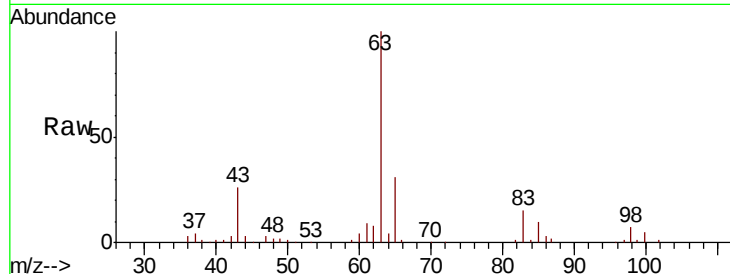
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	218556
Ion Ratio	Lower	Upper	
63	100		
98	6.9	4.1	12.3
100	5.0	1.6	4.7#

Manual Integrations
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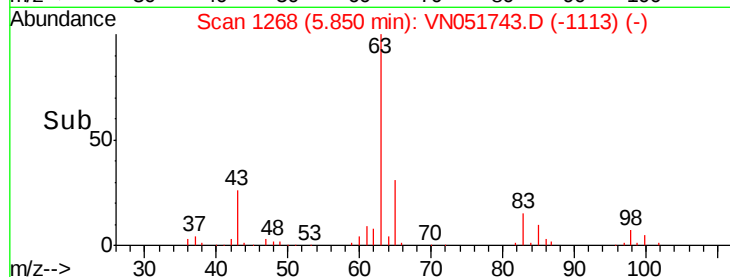


Abundance Ion 63.00 (62.70 to 63.70): VN051743.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VN051743.D (-1242) (-)

Ion 100.00 (99.70 to 100.70): VN051743.D (-1242) (-)

Time-->



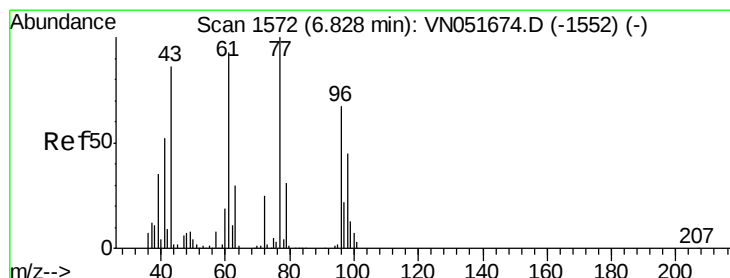
Abundance

Ion 63.00 (62.70 to 63.70): VN051743.D (-1113) (-)

Ion 98.00 (97.70 to 98.70): VN051743.D (-1113) (-)

Ion 100.00 (99.70 to 100.70): VN051743.D (-1113) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.683 ug/l

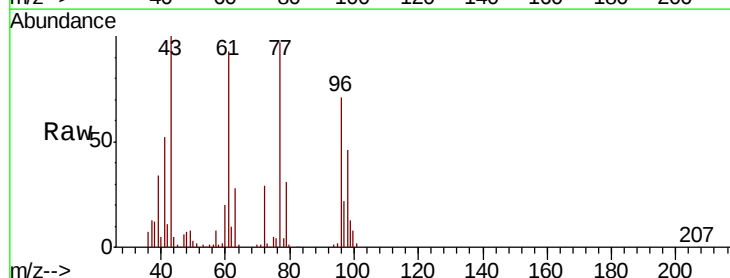
RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Tgt Ion:	96	Resp:	145637
Ion Ratio	Lower	Upper	
96	100		
61	135.9	124.5	186.7
98	64.8	51.9	77.9

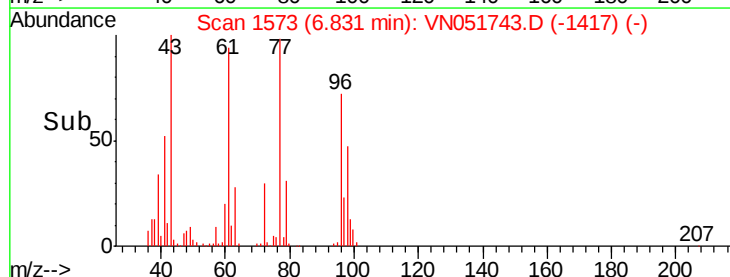


Abundance Ion 96.00 (95.70 to 96.70): VN051743.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN051743.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN051743.D (-1552) (-)

Time-->



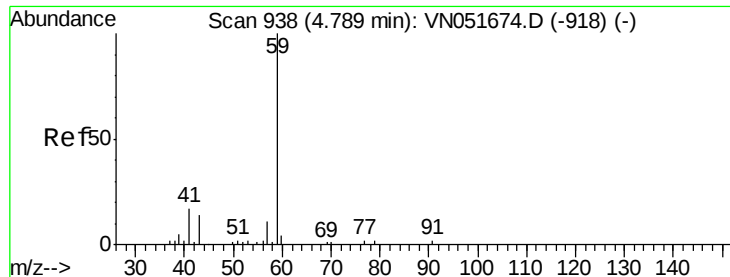
Abundance

Ion 96.00 (95.70 to 96.70): VN051743.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051743.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051743.D (-1417) (-)

Time-->



#23

tert-Butyl Alcohol

Concen: 113.122 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 59 Resp: 52376

Ion Ratio Lower Upper

59 100

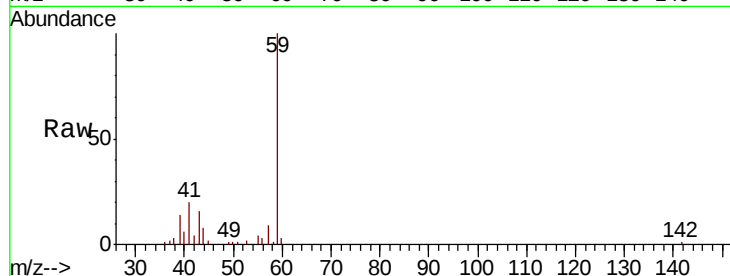
52 0.0 0.0 0.0

Manual Integrations

APPROVED

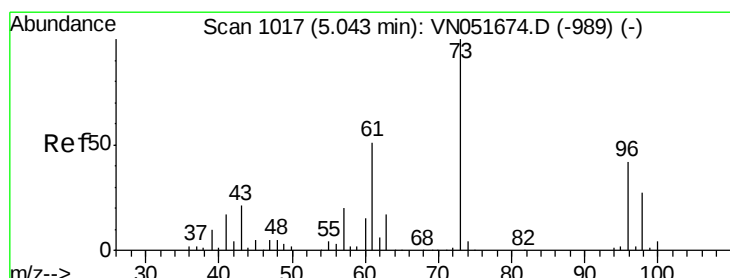
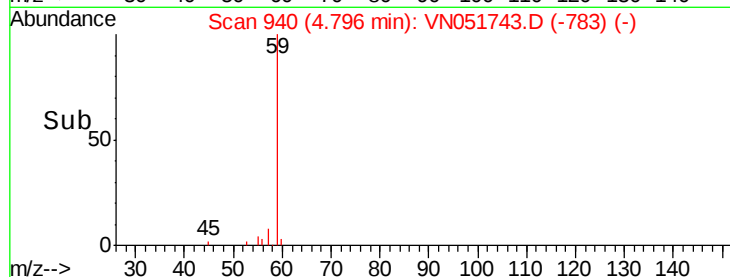
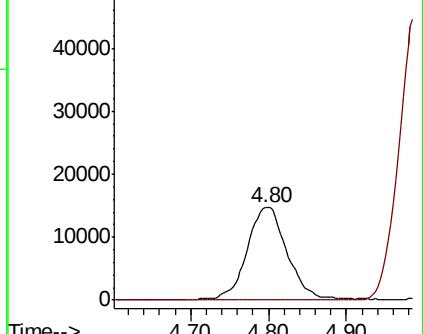
MMDadoda

10/10/2018 10:09:10 AM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.844 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051743.D

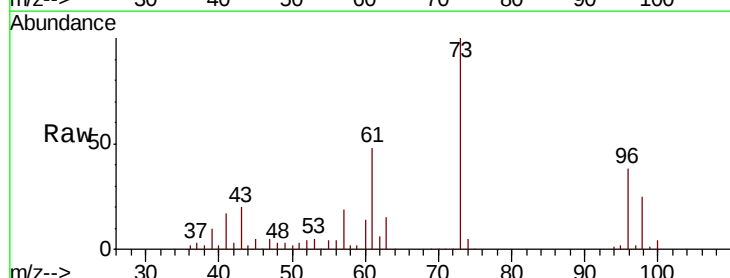
Acq: 9 Oct 2018 11:09

Tgt Ion: 73 Resp: 354471

Ion Ratio Lower Upper

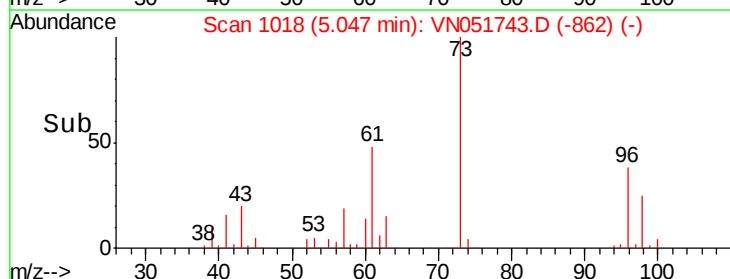
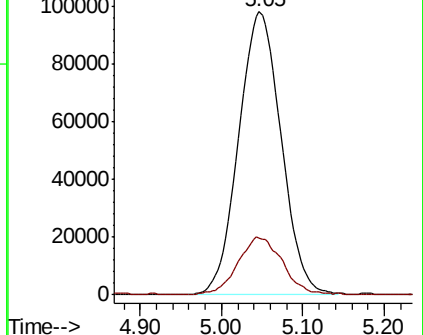
73 100

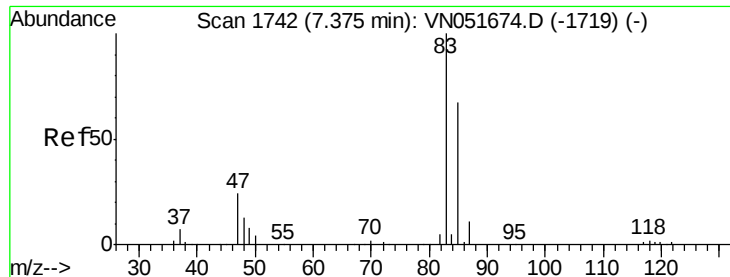
43 20.6 5.4 8.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





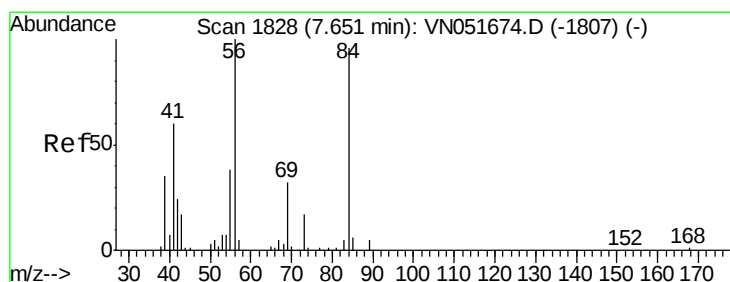
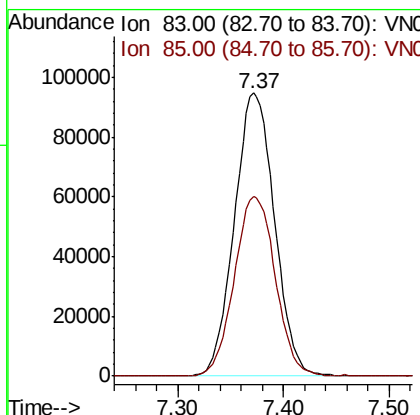
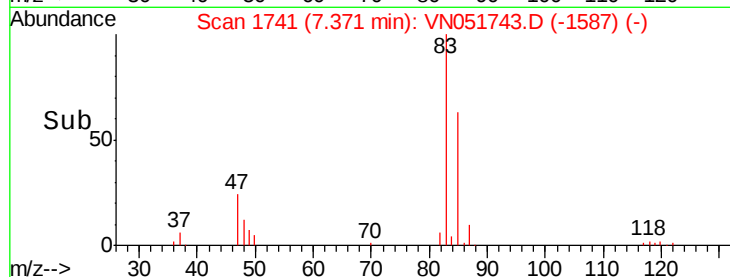
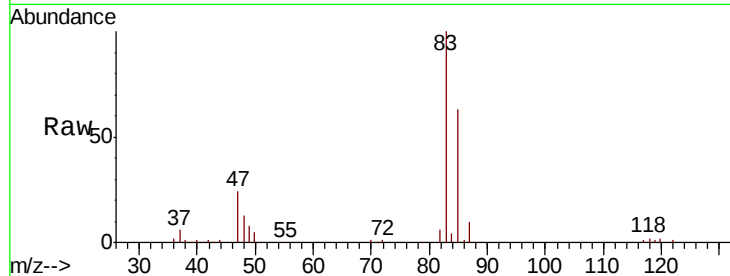
#25
Chloroform
Concen: 19.475 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 83 Resp: 250453
Ion Ratio Lower Upper
83 100
85 63.3 54.6 82.0

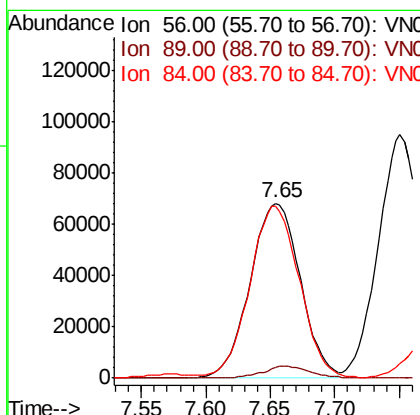
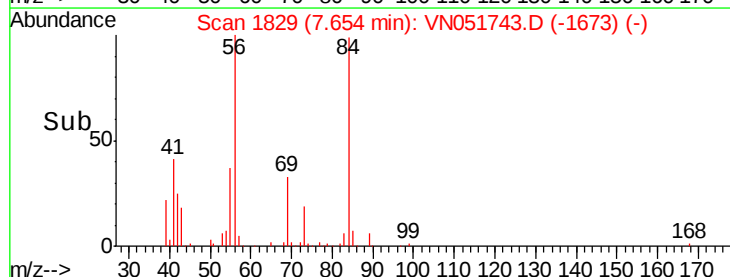
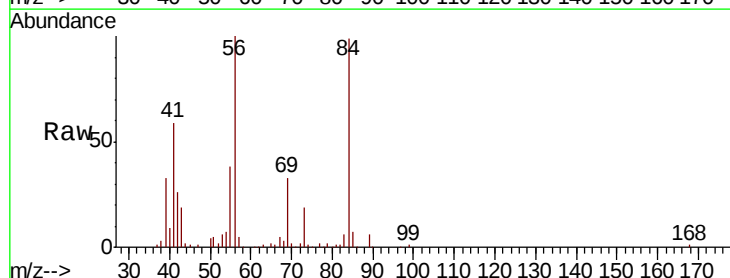
Manual Integrations
APPROVED

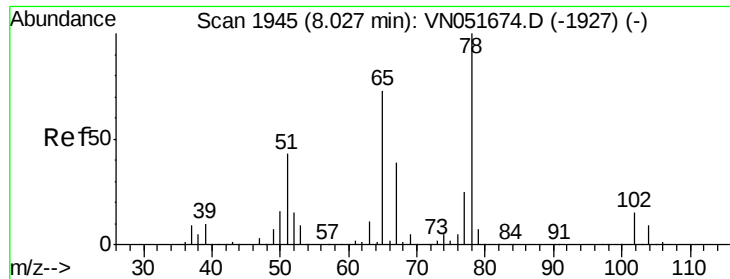
MMDadoda
10/10/2018 10:09:10 AM



#26
Cyclohexane
Concen: 19.127 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion: 56 Resp: 184864
Ion Ratio Lower Upper
56 100
89 6.3 1.5 2.3#
84 96.9 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 19.127 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 246559

Ion Ratio Lower Upper

65 100

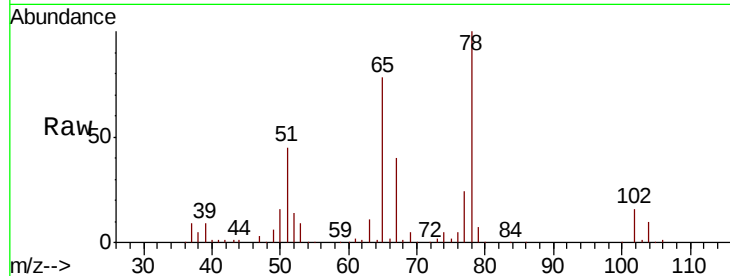
67 50.7 41.8 62.8

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN051743.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051743.D (-1927) (-)

8.03

120000

100000

80000

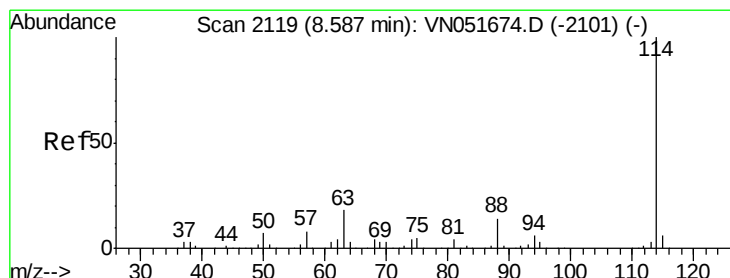
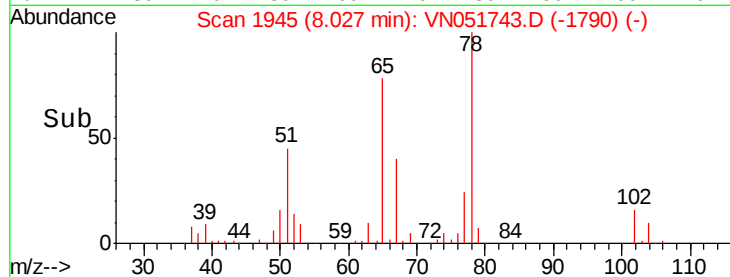
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

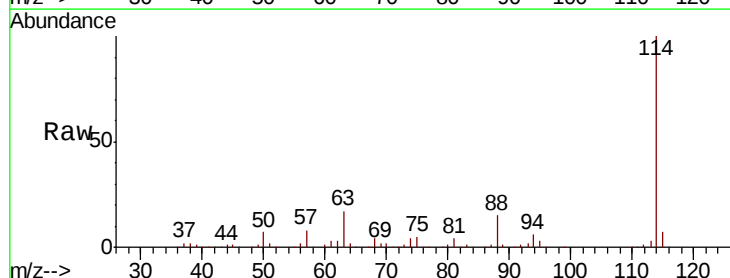
Tgt Ion: 114 Resp: 674946

Ion Ratio Lower Upper

114 100

63 17.8 16.2 24.2

88 14.6 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051743.D (-1964) (-)

Ion 63.00 (62.70 to 63.70): VN051743.D (-1964) (-)

Ion 88.00 (87.70 to 88.70): VN051743.D (-1964) (-)

8.59

400000

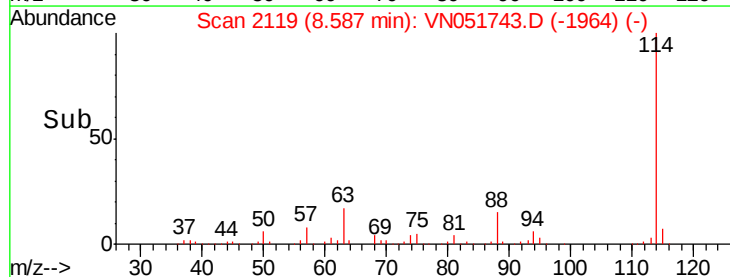
300000

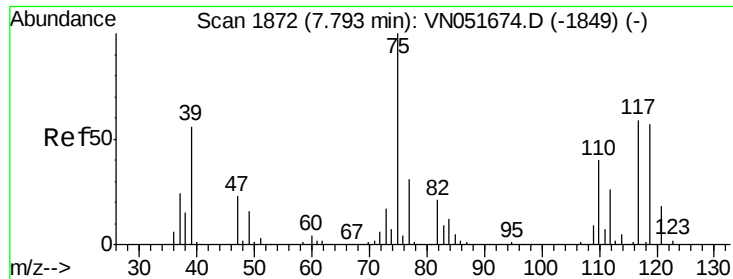
200000

100000

0

Time-->





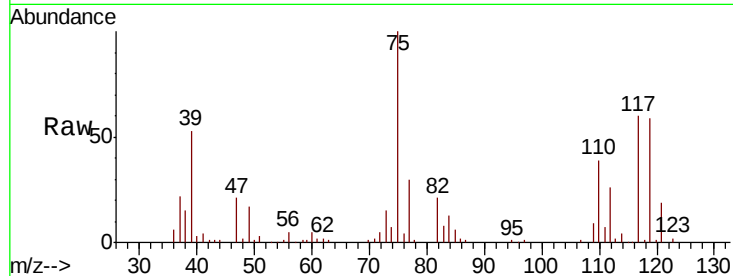
#29
 1,1-Dichloropropene
 Concen: 19.580 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.3	0.0	70.8	
77	30.5	0.0	61.6	

Manual Integrations
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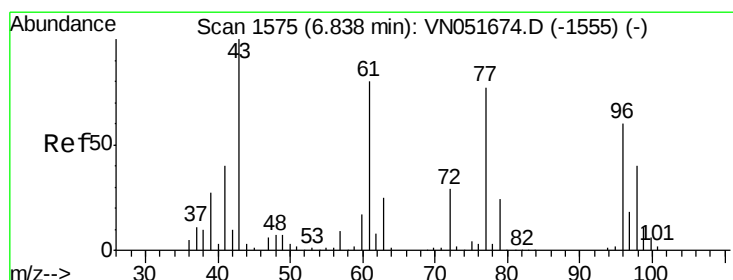
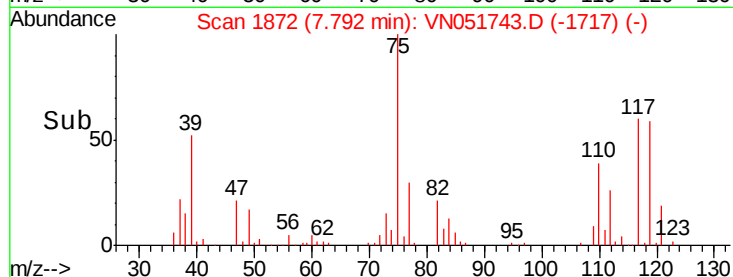
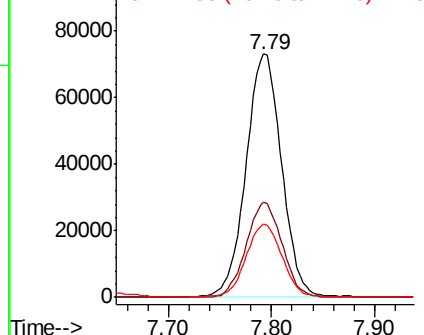


Abundance

Ion 75.00 (74.70 to 75.70): VN051743.D (-1717) (-)

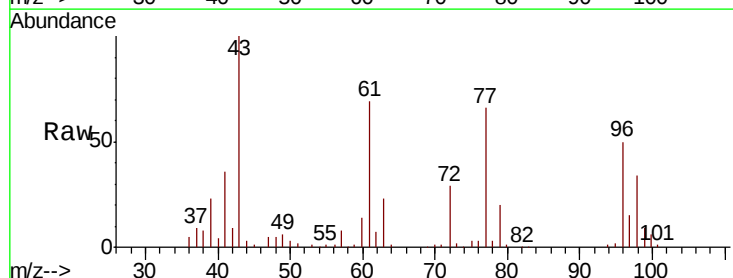
Ion 110.00 (109.70 to 110.70): VN051743.D (-1717) (-)

Ion 77.00 (76.70 to 77.70): VN051743.D (-1717) (-)



#30
 2-Butanone
 Concen: 107.610 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.7	4.5	6.7#	
72	29.9	21.5	32.3	

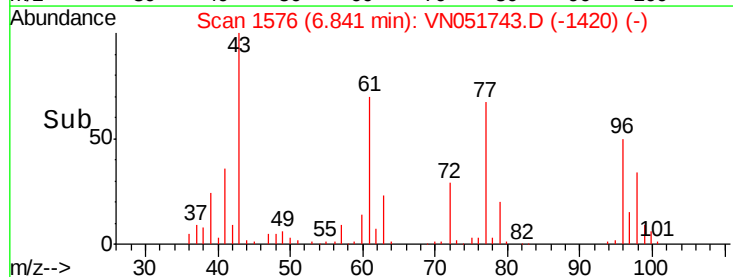
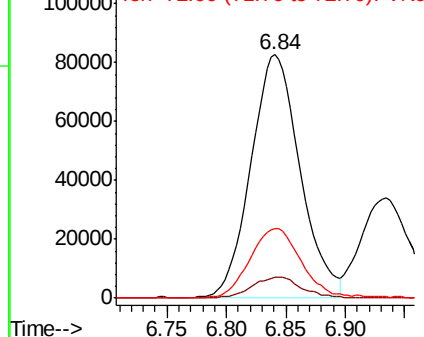


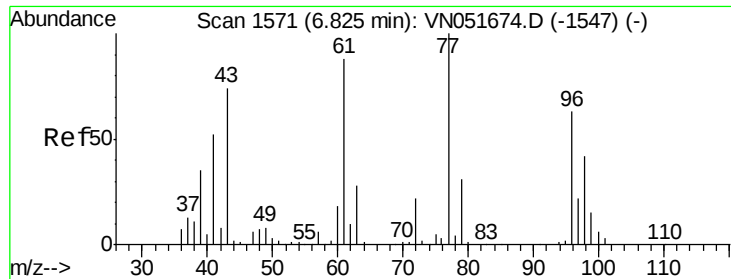
Abundance

Ion 43.00 (42.70 to 43.70): VN051743.D (-1420) (-)

Ion 57.00 (56.70 to 57.70): VN051743.D (-1420) (-)

Ion 72.00 (71.70 to 72.70): VN051743.D (-1420) (-)





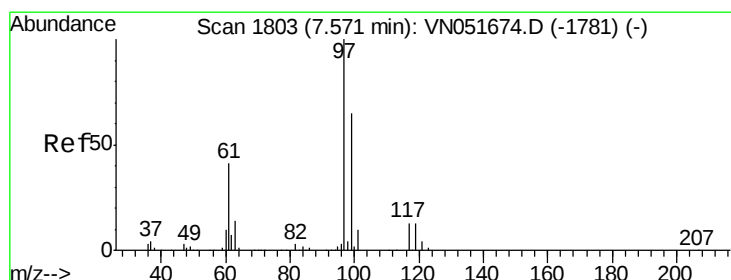
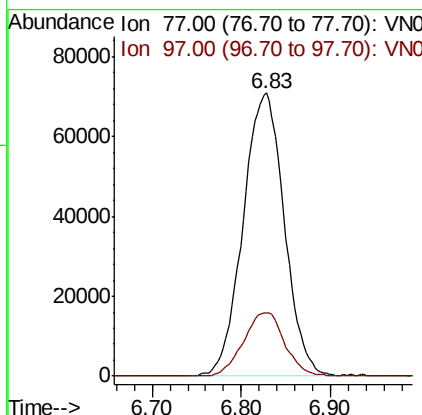
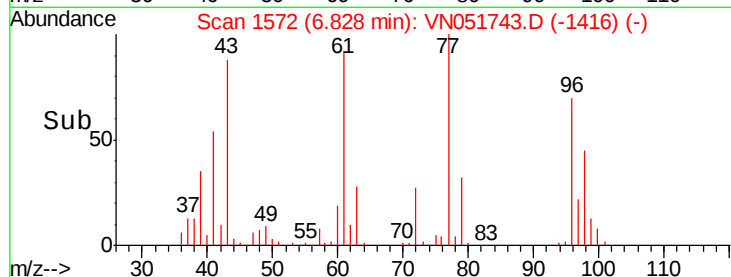
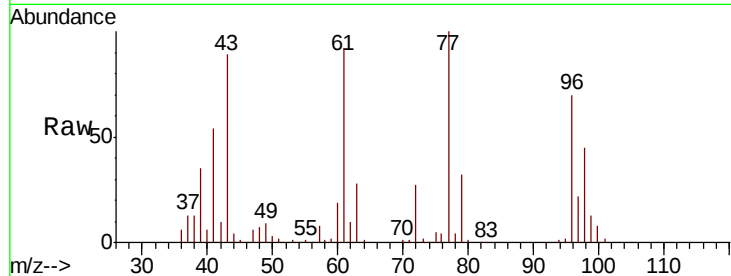
#31
 2,2-Dichloropropane
 Concen: 20.326 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 227150
 Ion Ratio Lower Upper
 77 100
 97 22.5 12.0 18.0#

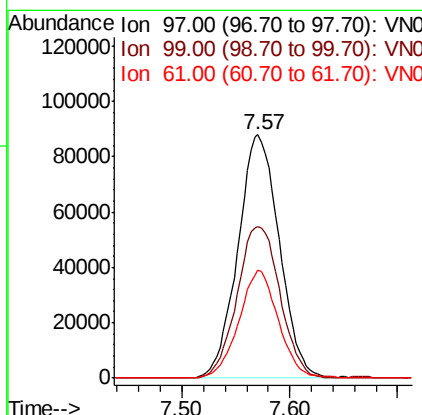
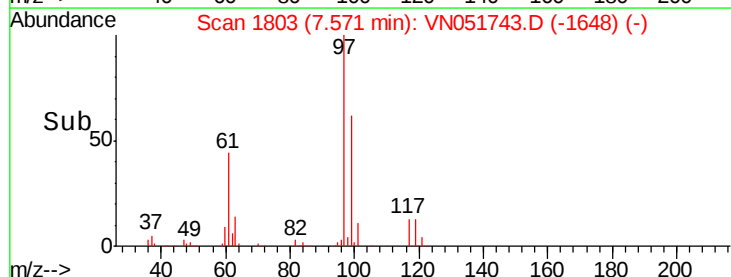
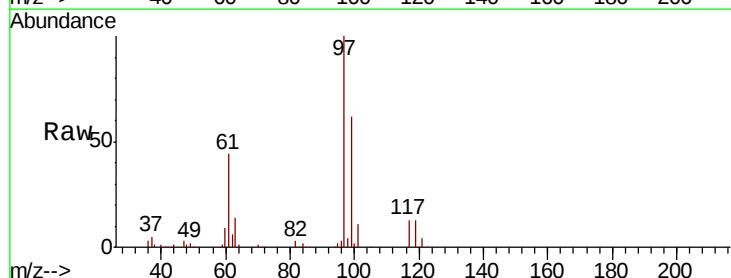
Manual Integrations
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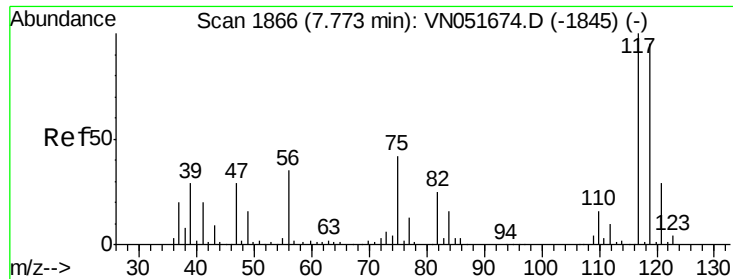
MMDadoda
 10/10/2018 10:09:10 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.458 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion: 97 Resp: 234731
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.6 77.4
 61 42.2 37.4 56.0





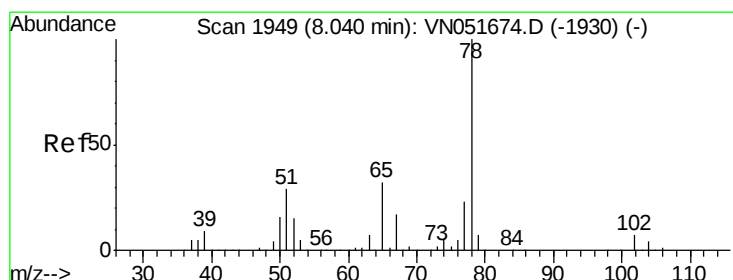
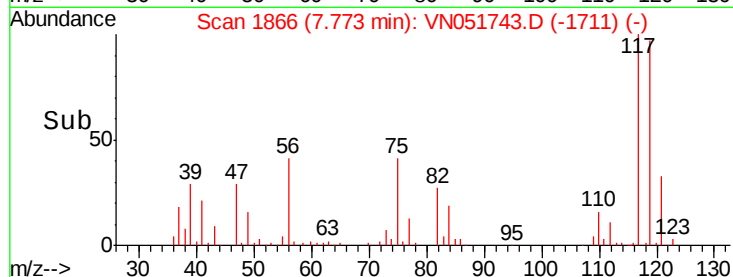
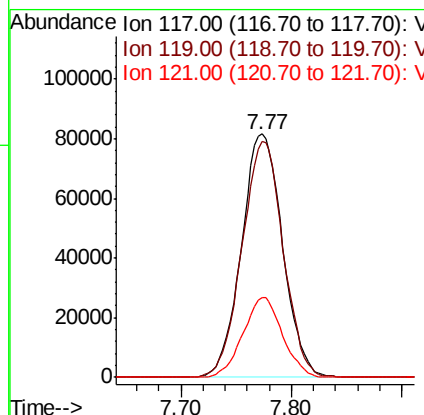
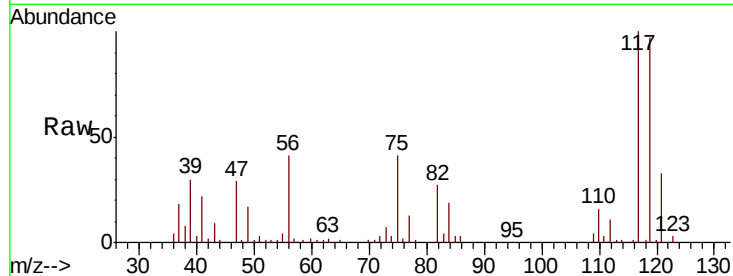
#33
Carbon Tetrachloride
Concen: 19.270 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	85.1	127.7
121	32.8	24.2	36.2

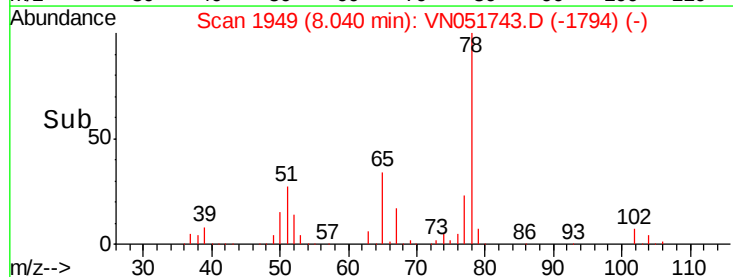
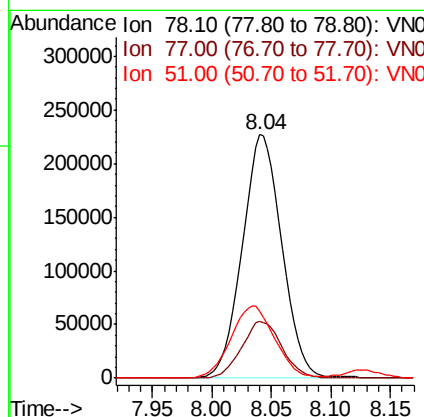
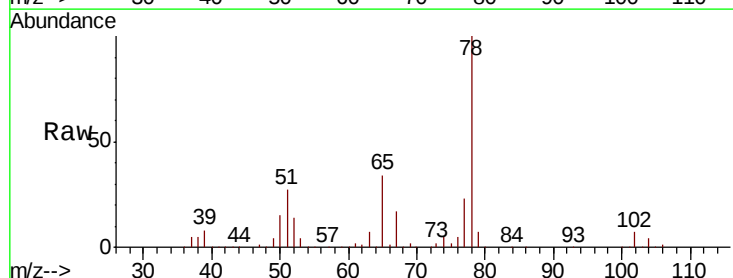
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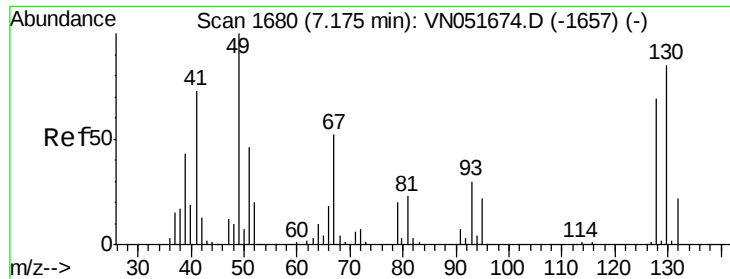
MMDadoda
10/10/2018 10:09:10 AM



#34
Benzene
Concen: 19.234 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2
51	27.2	46.2	69.4#





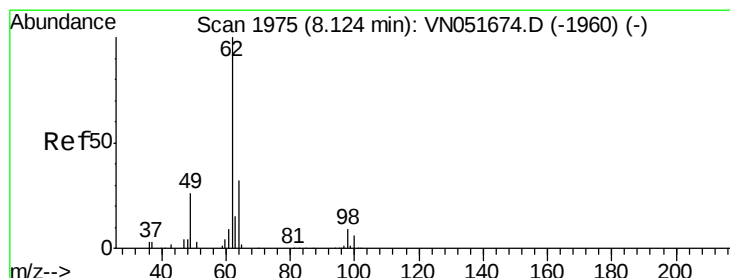
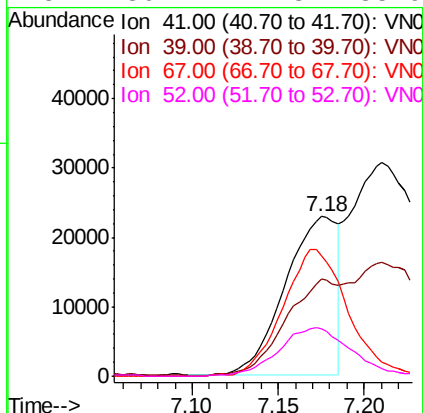
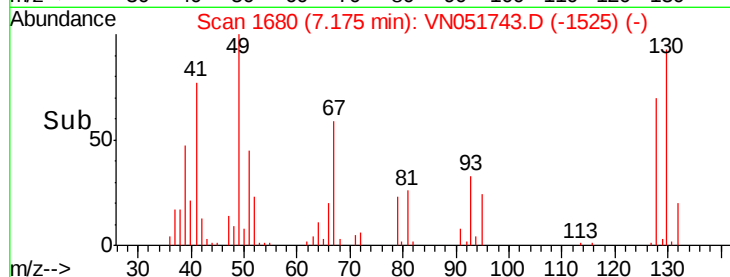
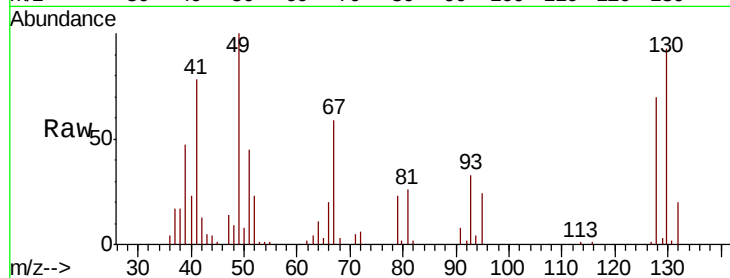
#35
Methacrylonitrile
Concen: 19.984 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41	Resp	48183
Ion Ratio	Lower	Upper	
41	100		
39	61.0	22.6	67.7
67	76.1	28.9	86.8
52	30.2	11.3	33.9

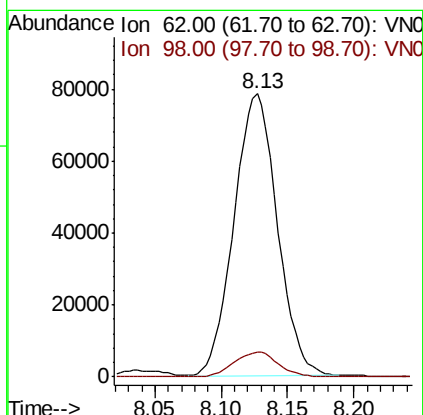
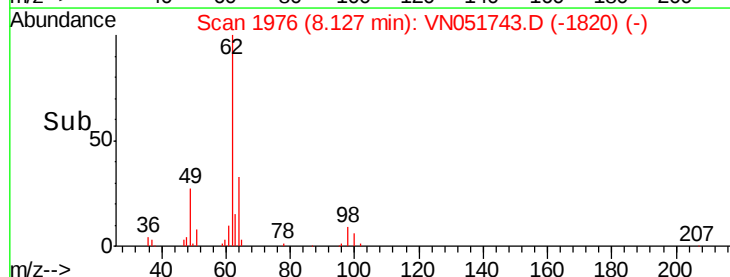
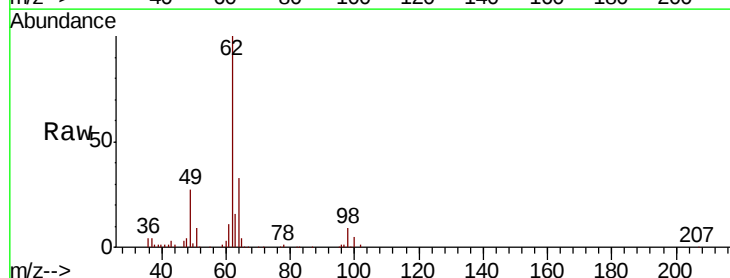
Manual Integrations
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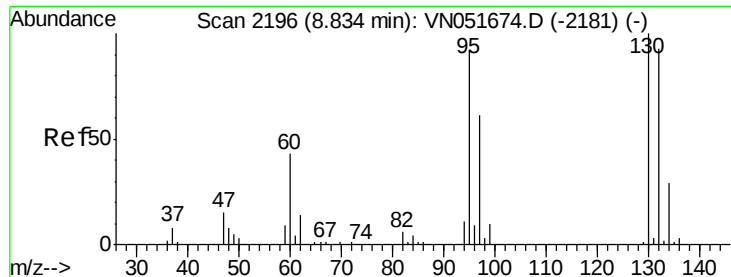
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.633 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	62	Resp	178316
Ion Ratio	Lower	Upper	
62	100		
98	9.1	6.9	10.3





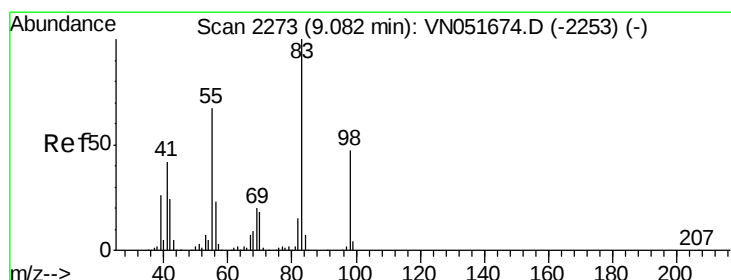
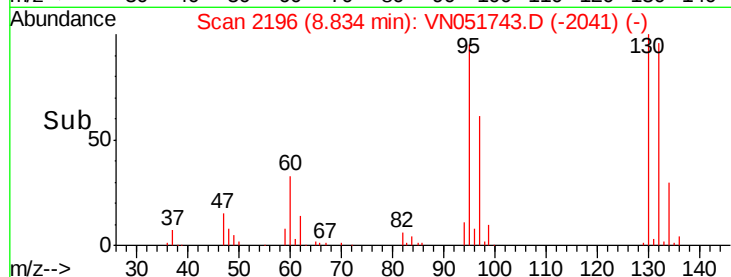
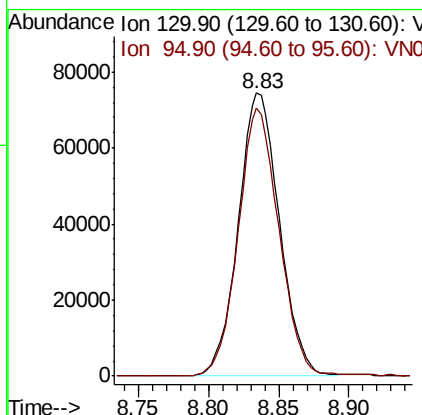
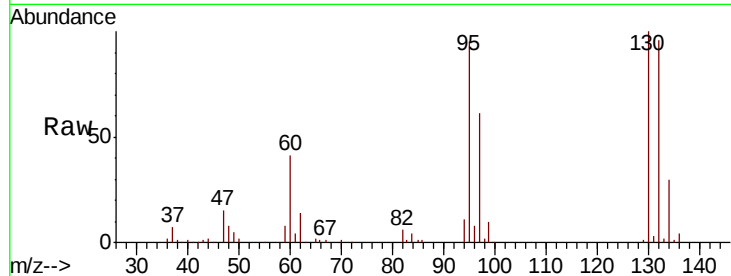
#37
 Trichloroethene
 Concen: 20.148 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 152030
 Ion Ratio Lower Upper
 130 100
 95 94.6 76.4 114.6

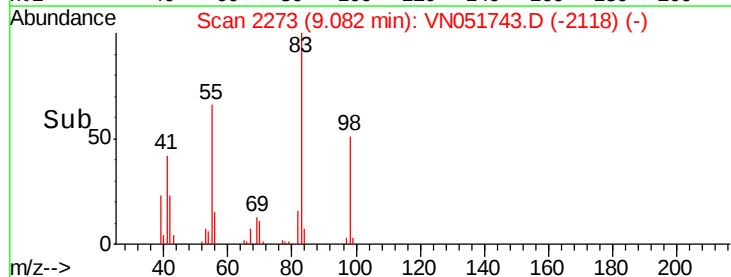
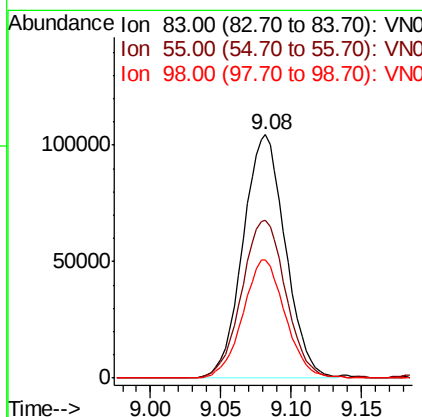
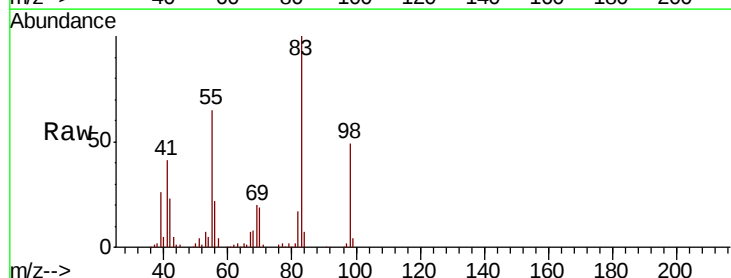
Manual Integrations
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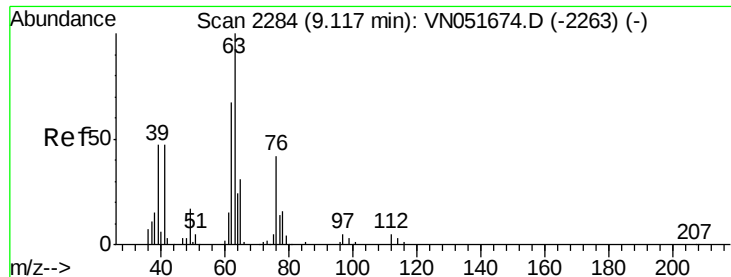
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#38
 Methylcyclohexane
 Concen: 19.348 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion: 83 Resp: 219782
 Ion Ratio Lower Upper
 83 100
 55 67.4 43.0 129.2
 98 48.8 21.3 63.7





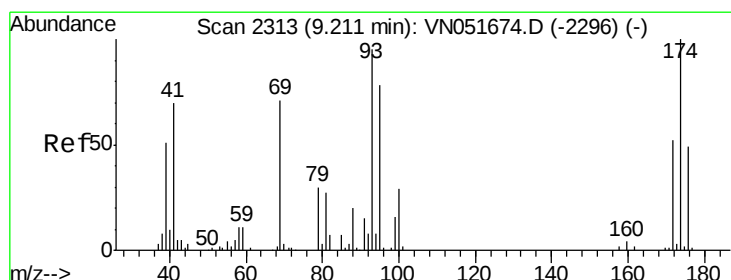
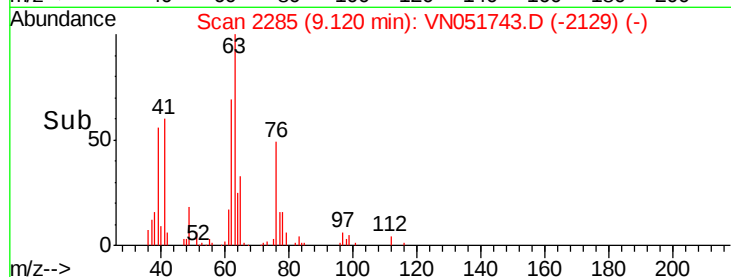
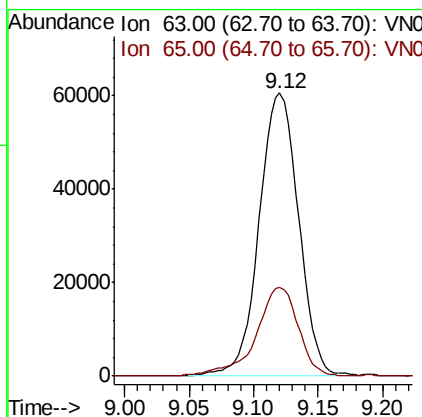
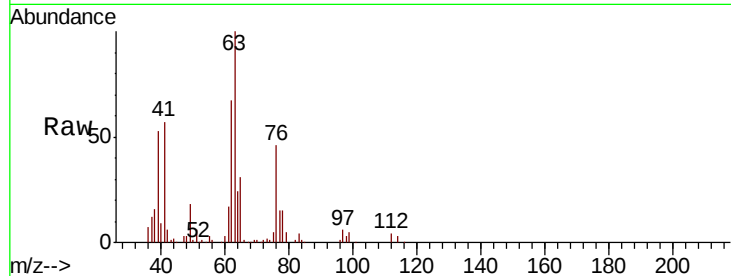
#39
 1,2-Dichloropropane
 Concen: 19.445 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.2	34.8

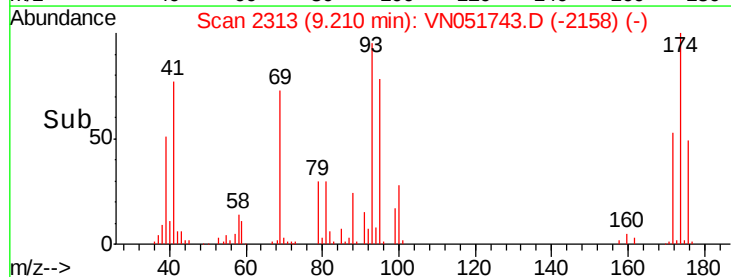
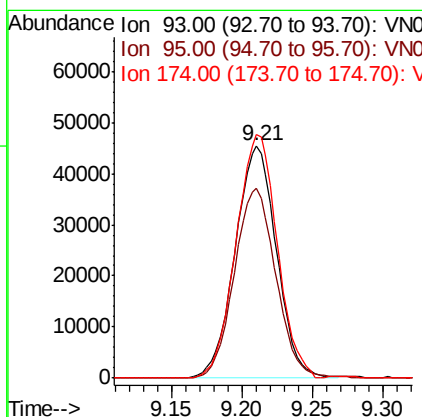
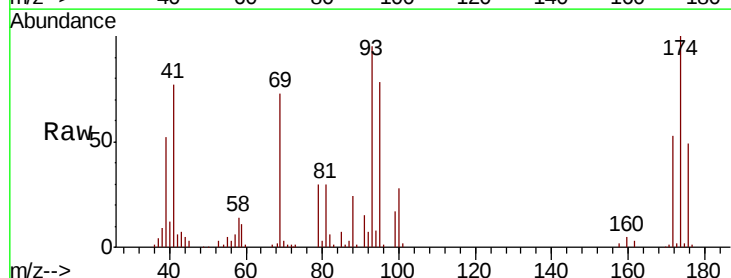
Manual Integrations
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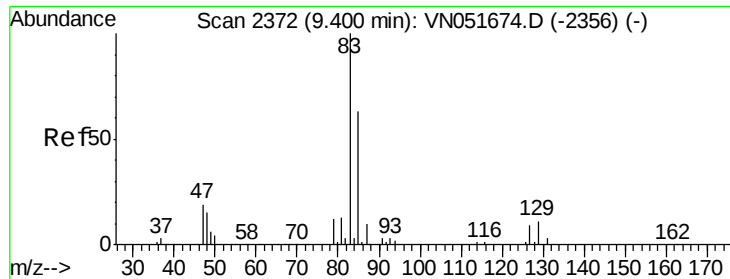
MMDadoda
 10/10/2018 10:09:10 AM



#40
 Dibromomethane
 Concen: 20.309 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	0.0	162.0
174	104.3	0.0	214.0





#41

Bromodichloromethane

Concen: 19.092 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

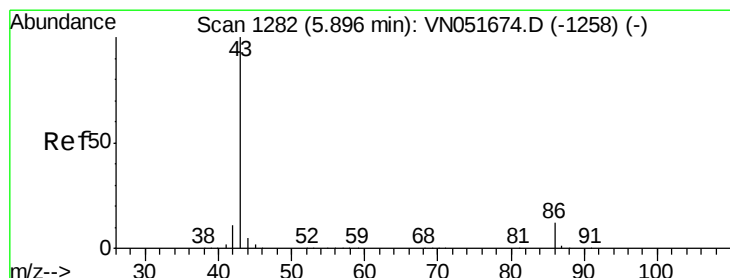
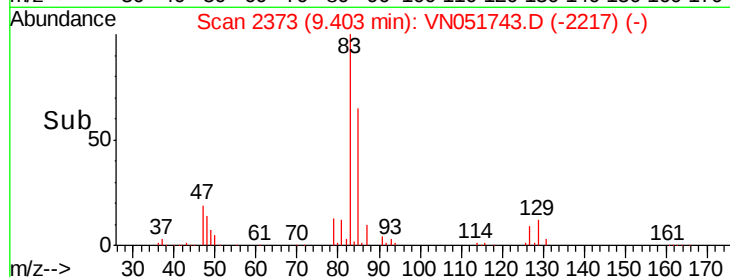
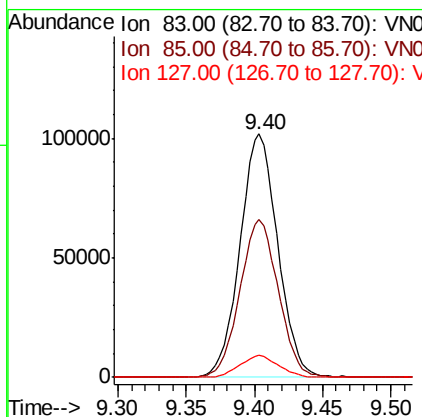
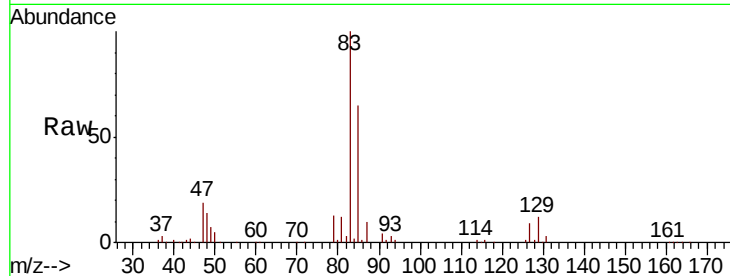
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	195913
Ion Ratio	Lower	Upper	
83	100		
85	64.7	55.7	83.5
127	9.0	8.2	12.4

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#42

Vinyl Acetate

Concen: 95.800 ug/l

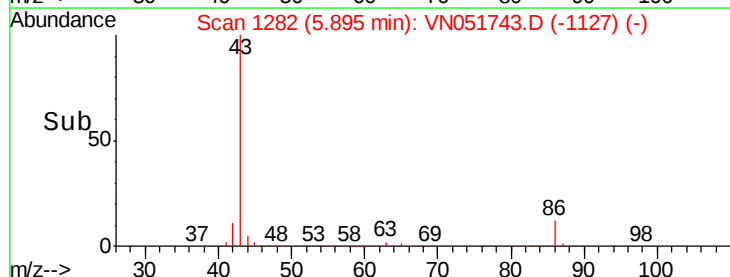
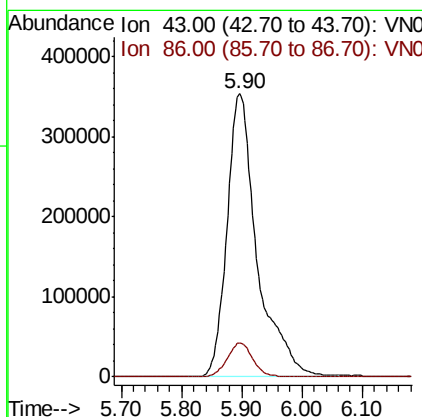
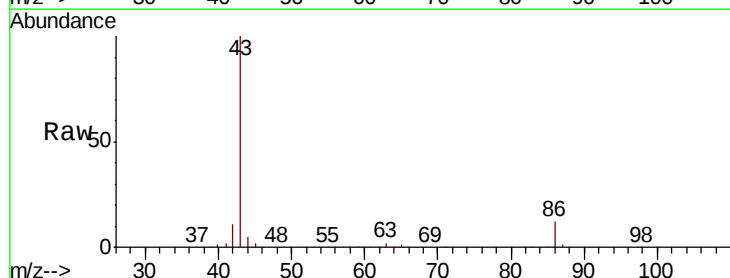
RT: 5.90 min Scan# 1282

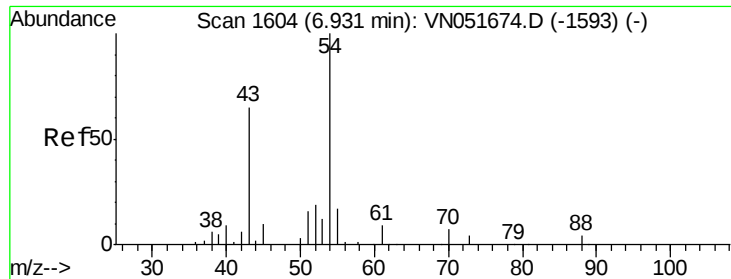
Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Tgt Ion:	43	Resp:	1233221
Ion Ratio	Lower	Upper	
43	100		
86	10.2	6.5	9.7#





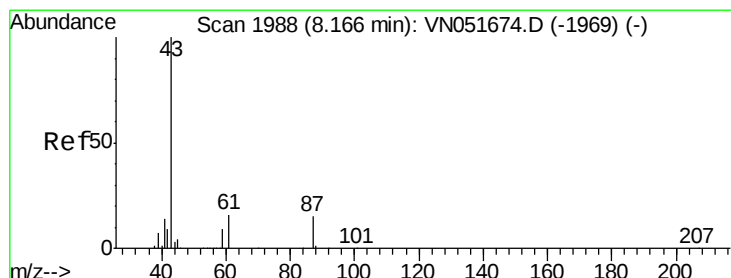
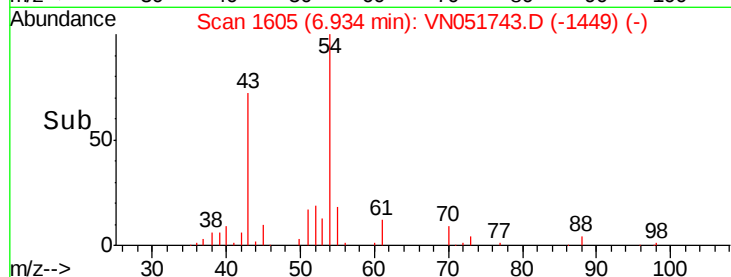
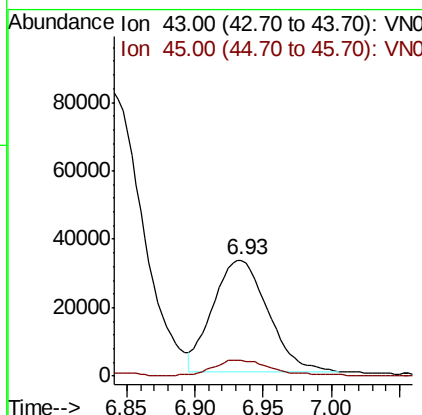
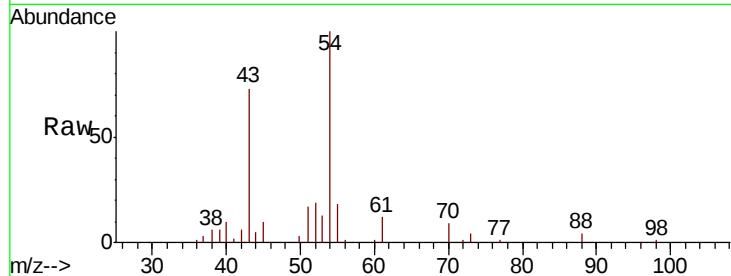
#43
Ethyl Acetate
Concen: 20.033 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 92094
Ion Ratio Lower Upper
43 100
45 12.1 11.0 16.6

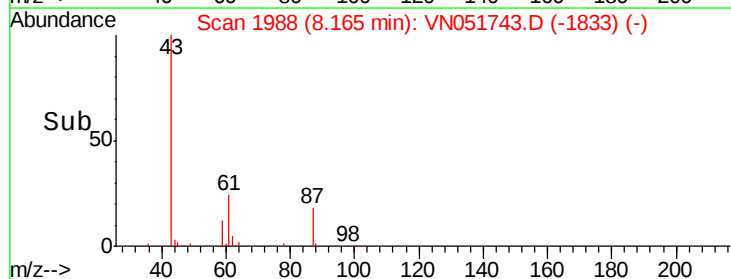
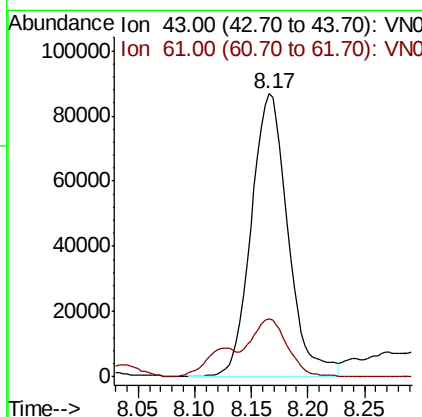
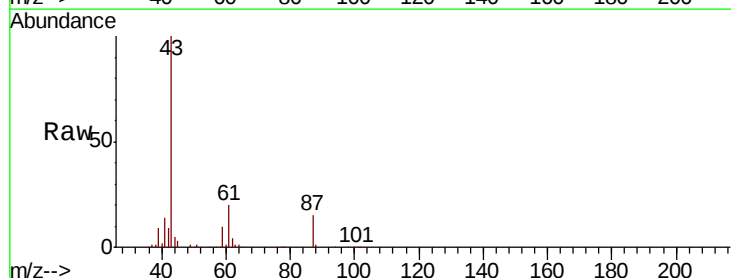
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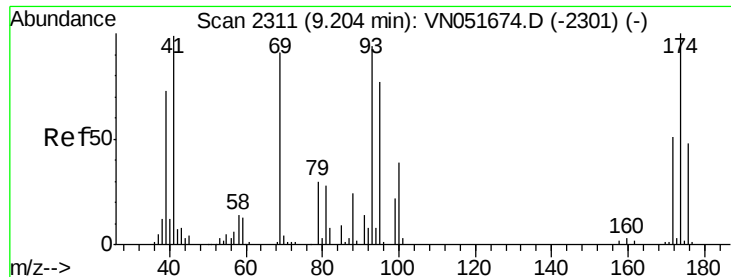
MMDadoda
10/10/2018 10:09:10 AM



#44
Isopropyl Acetate
Concen: 19.341 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion: 43 Resp: 196637
Ion Ratio Lower Upper
43 100
61 19.7 15.9 23.9





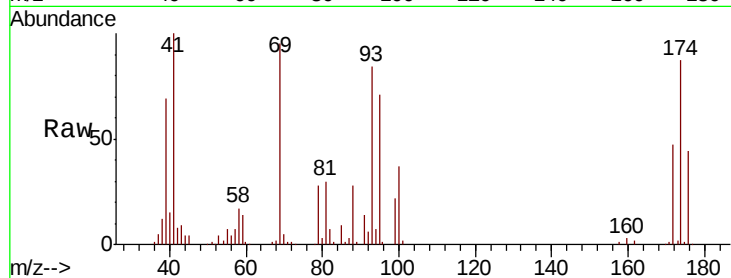
#45
1,4-Dioxane
Concen: 423.452 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	26.2	39.2
58	61.6	65.6	98.4#

Manual Integrations
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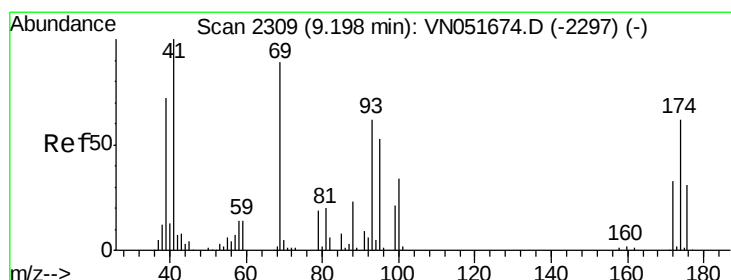
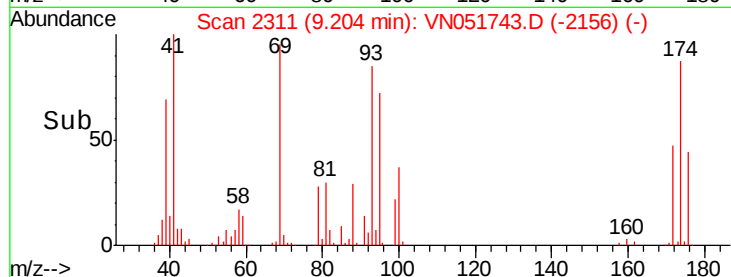
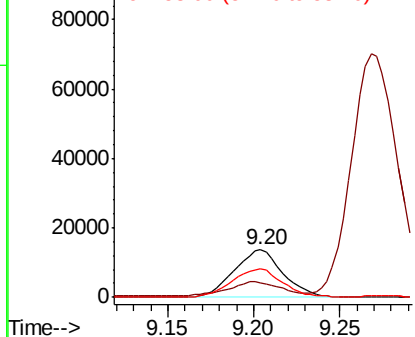


Abundance

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: 20.358 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

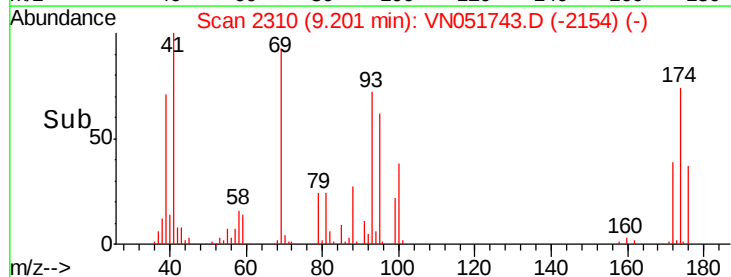
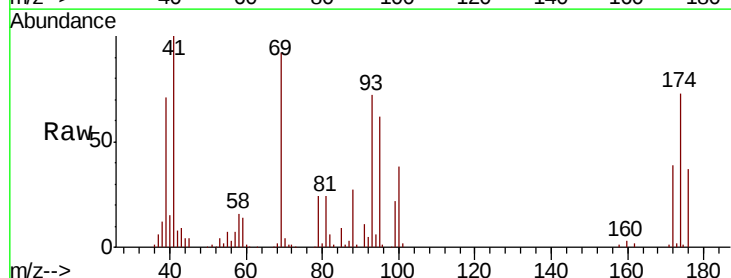
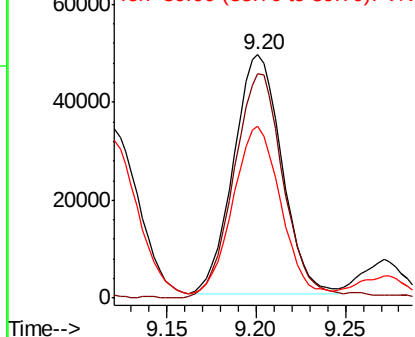
Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.4	40.7	122.1
39	70.1	27.3	81.9

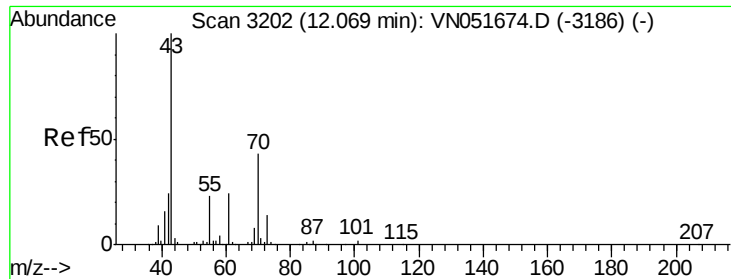
Abundance

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





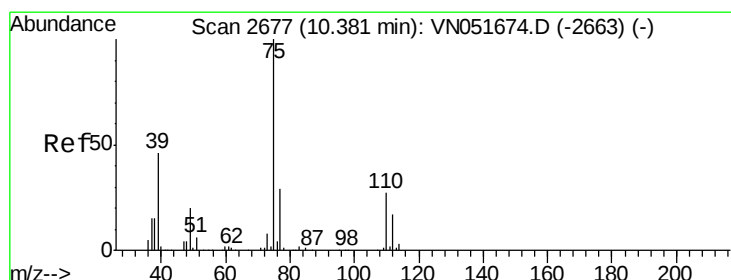
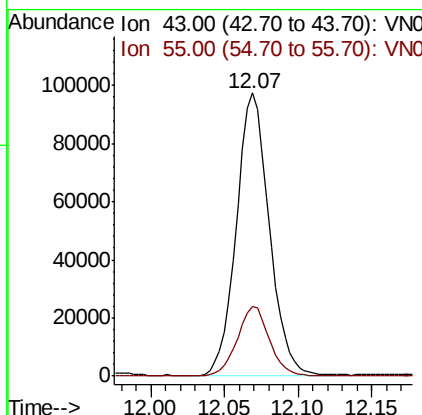
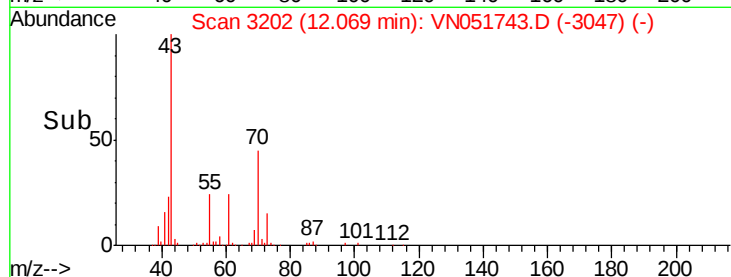
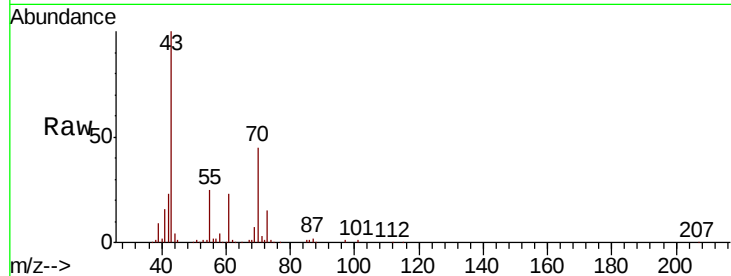
#47
n-amvl Acetate
Concen: 17.602 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 151922
Ion Ratio Lower Upper
43 100
55 0.2 12.2 18.4#

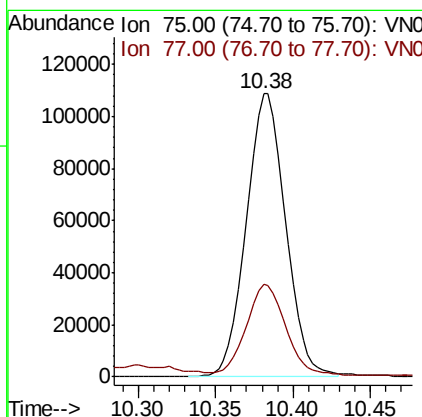
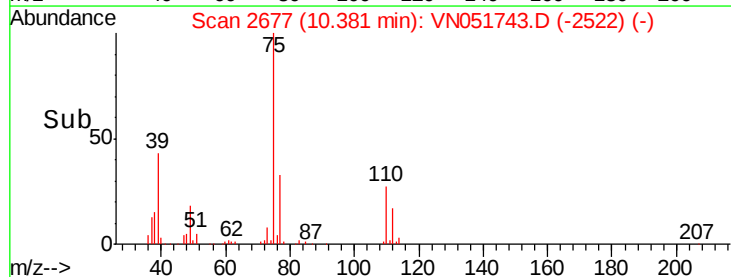
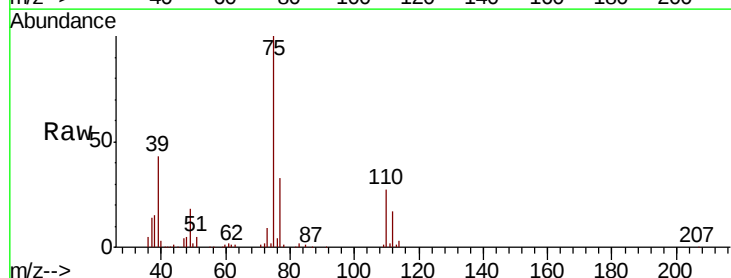
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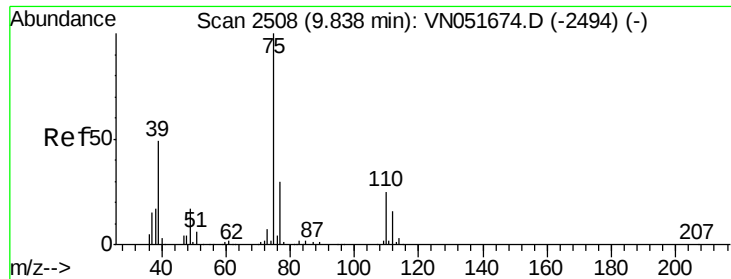
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#48
t-1,3-Dichloropropene
Concen: 18.587 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion: 75 Resp: 192954
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0





#49

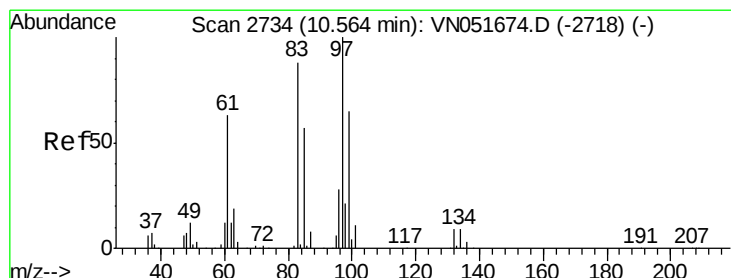
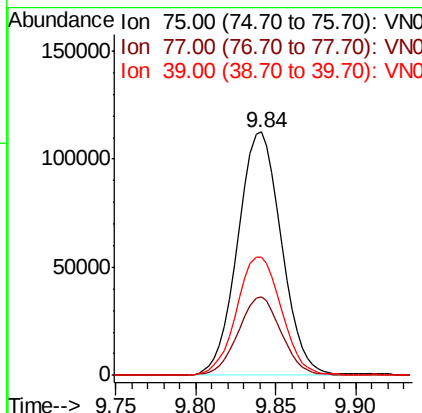
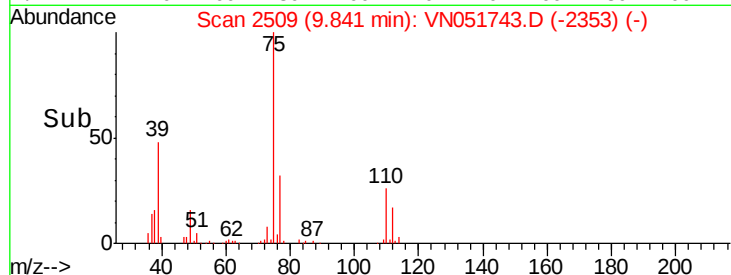
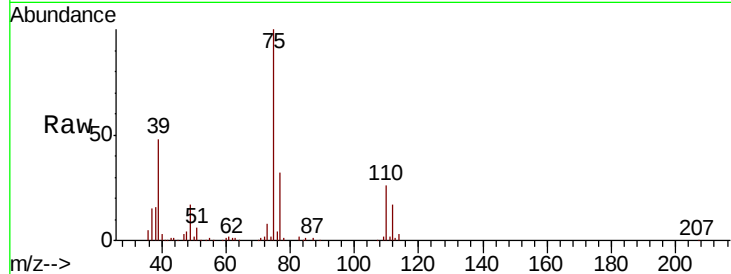
cis-1,3-Dichloropropene
 Concen: 18.780 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	23.2	34.8
39	48.1	34.6	52.0

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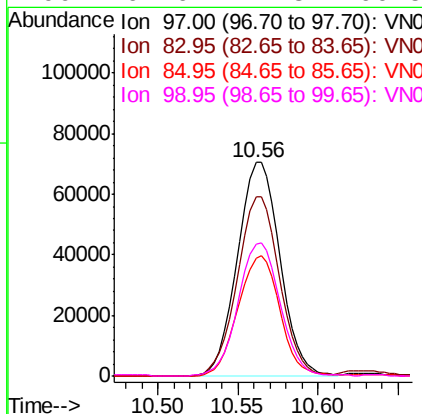
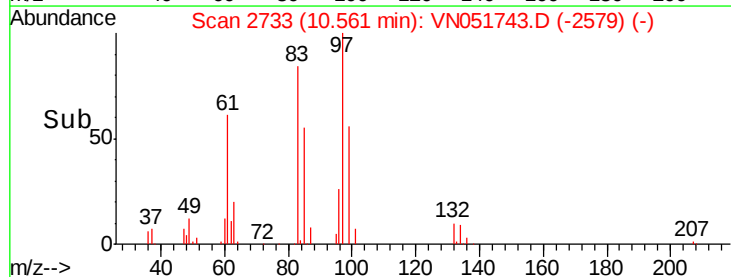
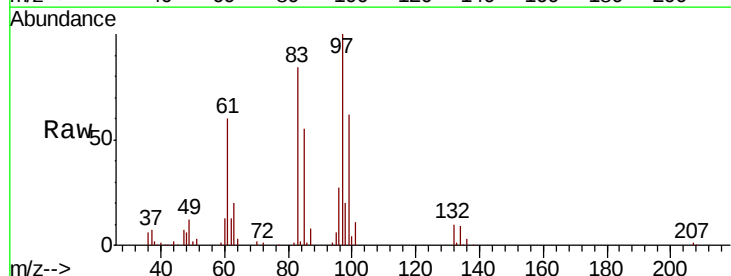
MMDadoda
 10/10/2018 10:09:10 AM

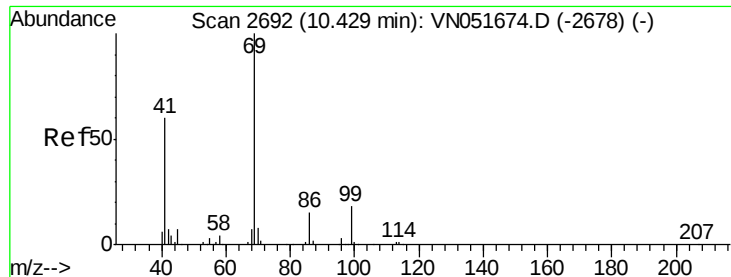


#50

1,1,2-Trichloroethane
 Concen: 19.765 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.6	68.2	102.4
85	55.0	42.5	63.7
99	61.6	44.3	66.5





#51

Ethyl methacrylate

Concen: 18.558 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

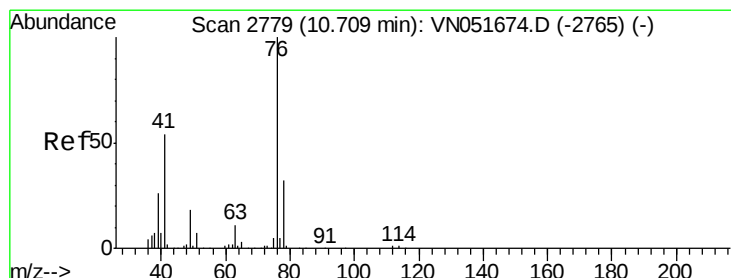
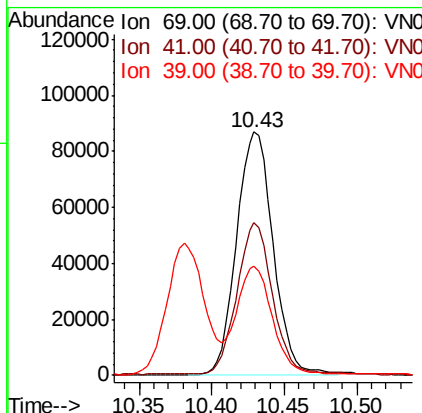
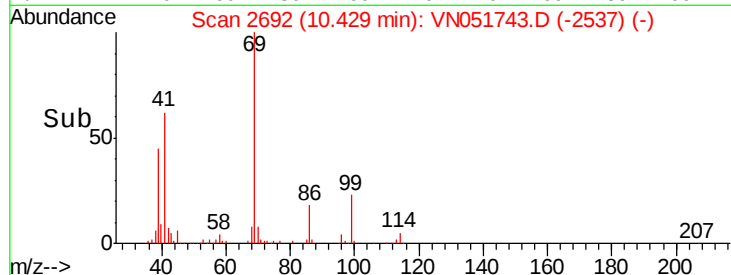
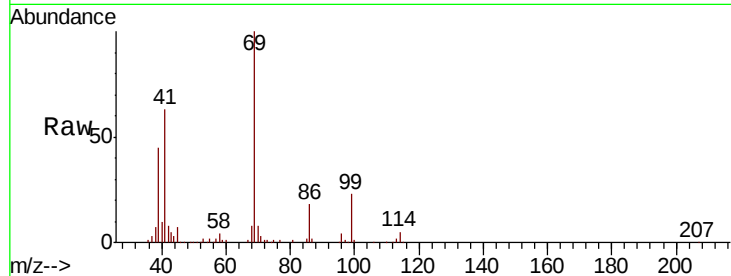
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	153057
Ion Ratio	Lower	Upper	
69	100		
41	62.3	34.4	103.1
39	44.3	16.3	48.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.583 ug/l

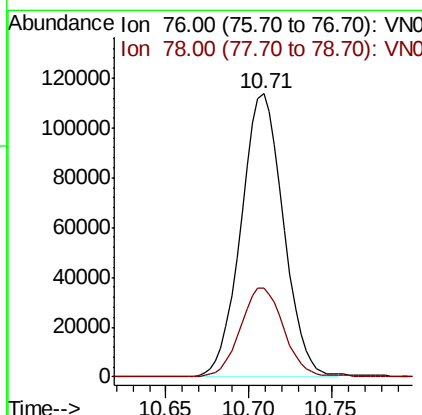
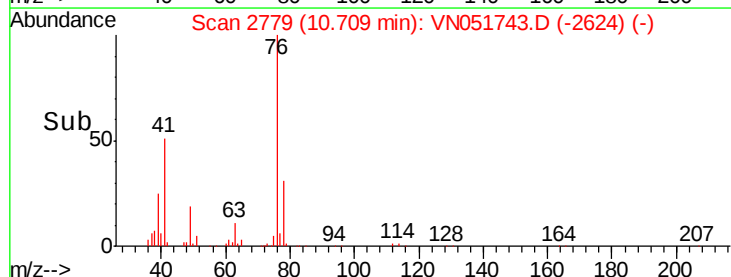
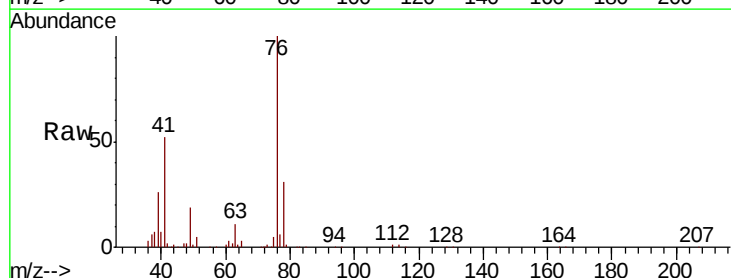
RT: 10.71 min Scan# 2779

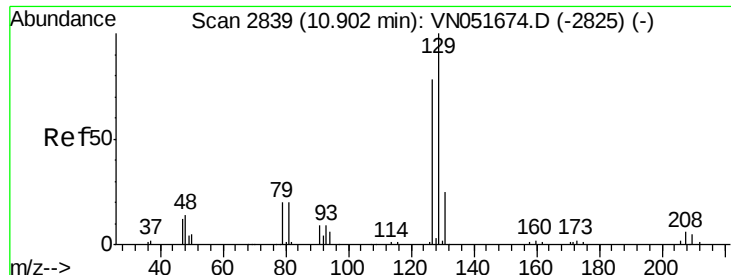
Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Tgt Ion:	76	Resp:	202234
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	67.6





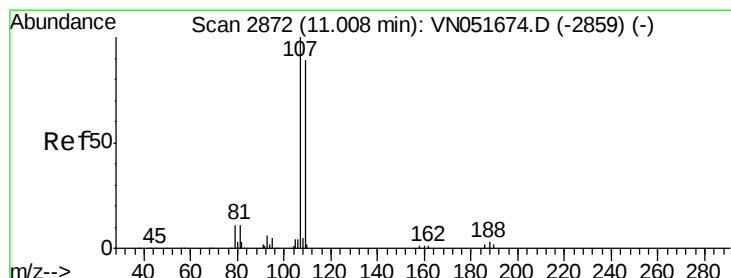
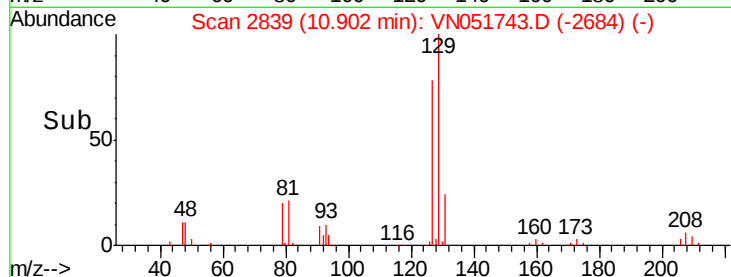
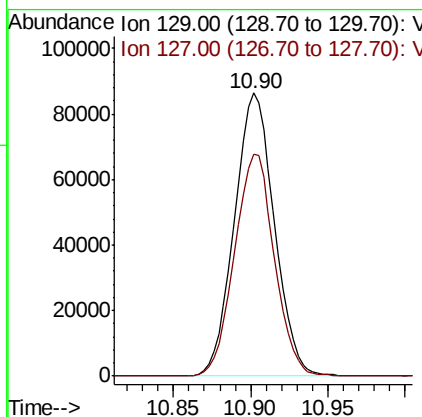
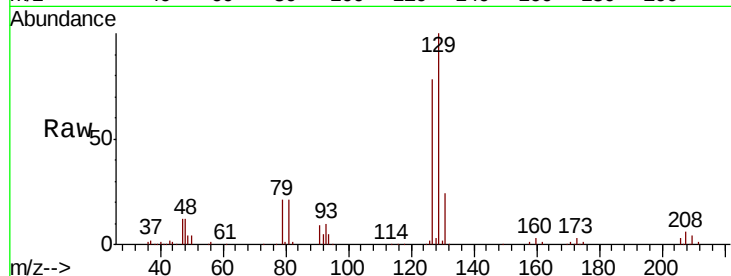
#53
Dibromochloromethane
Concen: 18.224 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.1	40.2	120.5

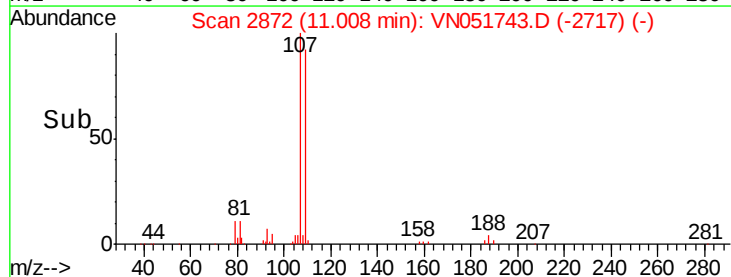
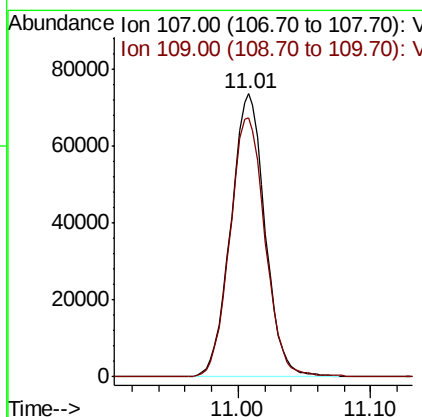
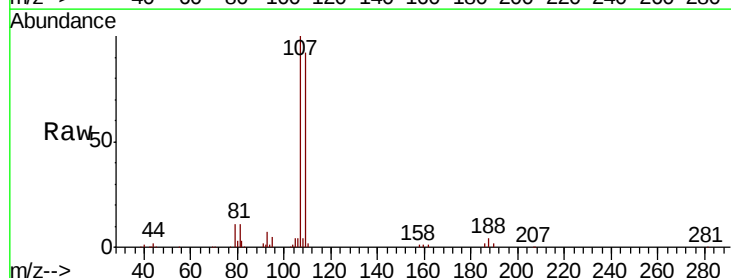
Manual Integrations
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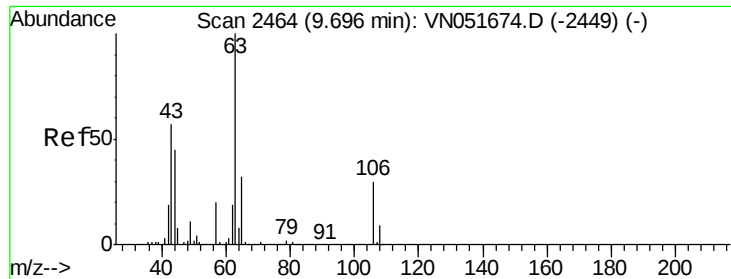
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#54
1,2-Dibromoethane
Concen: 19.349 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	77.4	116.0





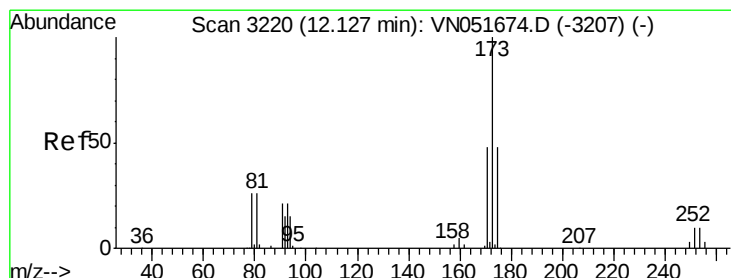
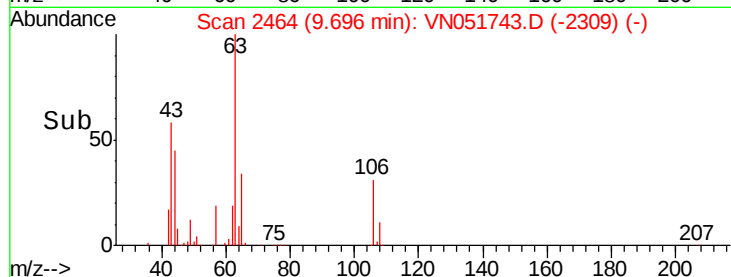
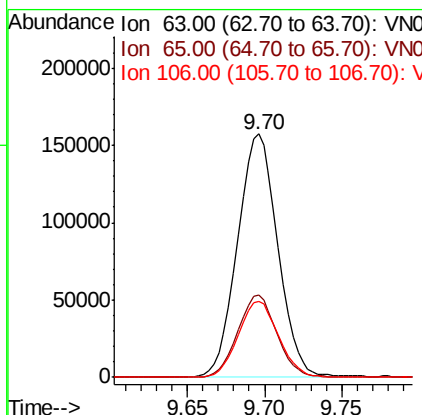
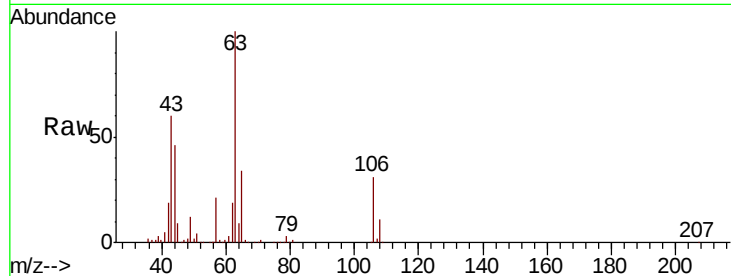
#55
2-Chloroethyl vinyl ether
Concen: 83.381 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.4	38.0
106	31.4	21.2	31.8

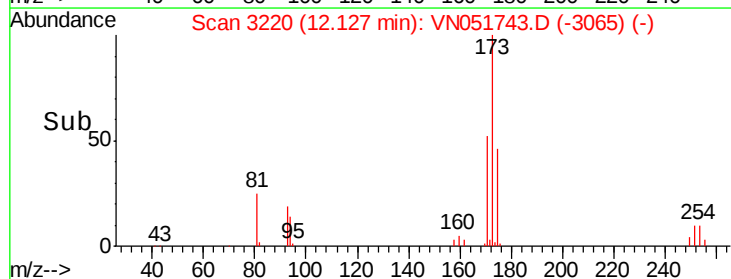
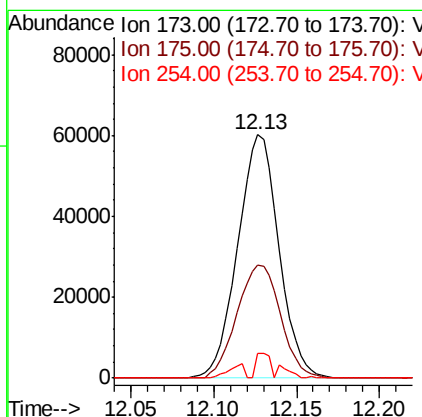
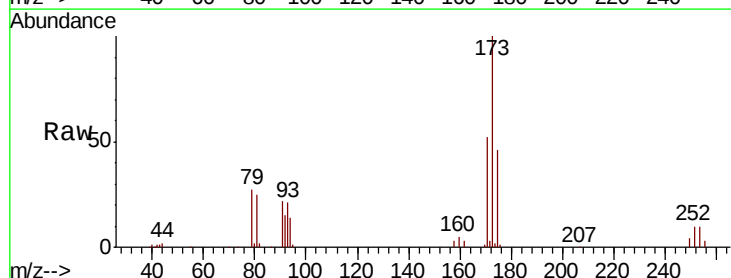
Manual Integrations
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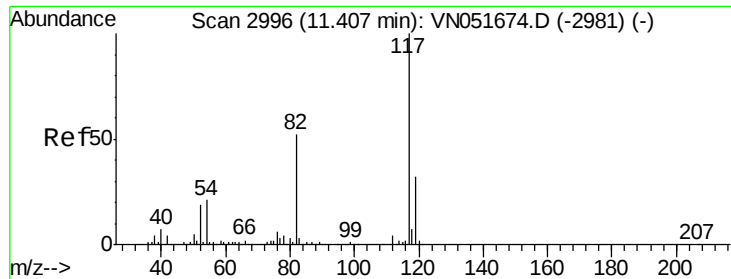
MMDadoda
10/10/2018 10:09:10 AM



#56
Bromoform
Concen: 17.017 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	35.8	53.8
254	3.3	8.6	13.0





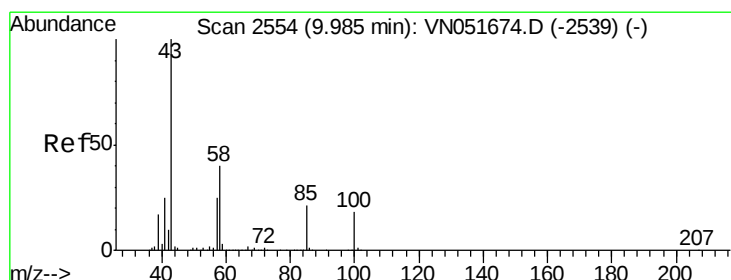
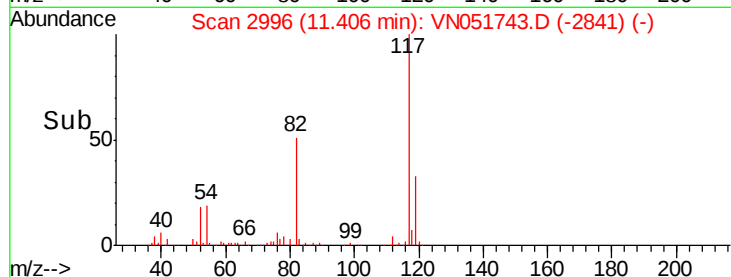
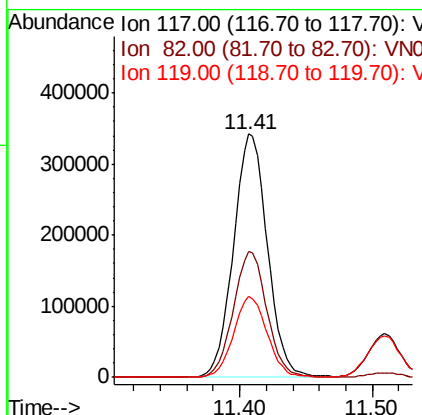
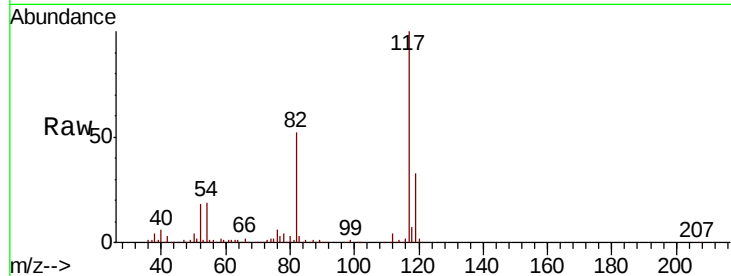
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	608552		
82	51.1		44.1	66.1
119	32.8		25.8	38.8

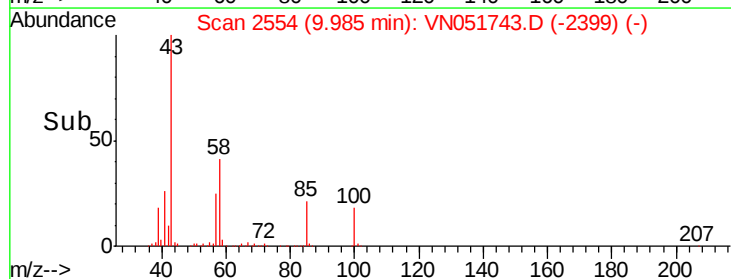
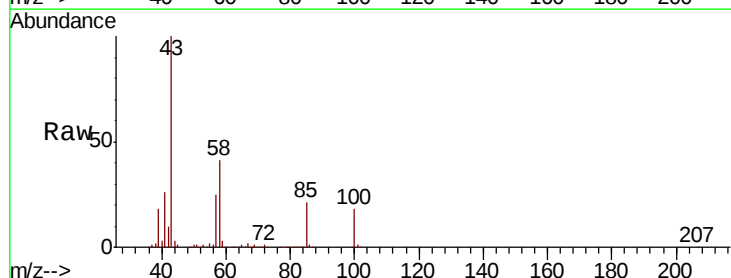
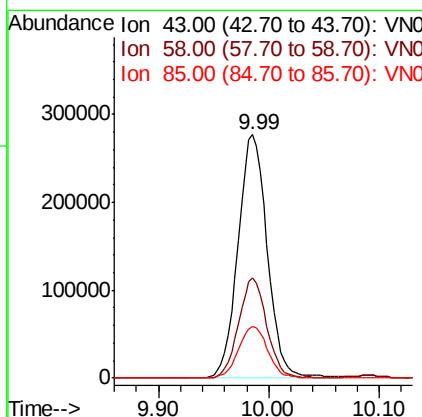
Manual Integrations
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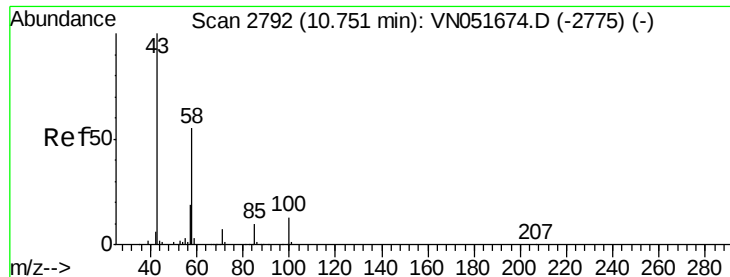
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 101.486 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	507076		
58	39.4		29.3	43.9
85	21.4		12.6	18.8#





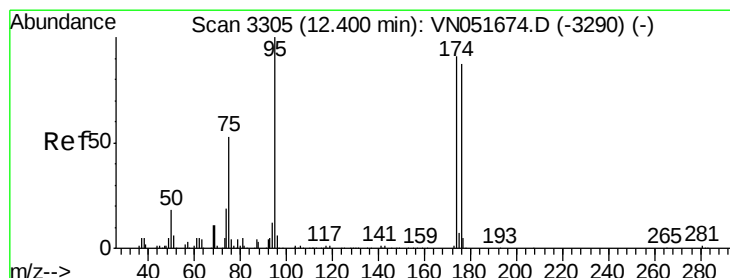
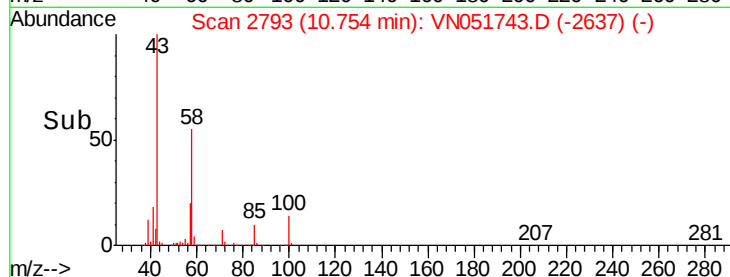
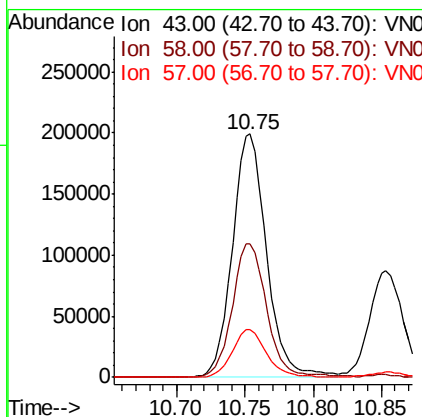
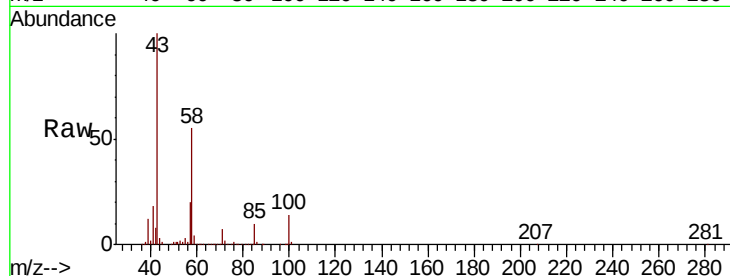
#59
2-Hexanone
Concen: 101.702 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	41.3	61.9
57	19.9	13.4	20.0

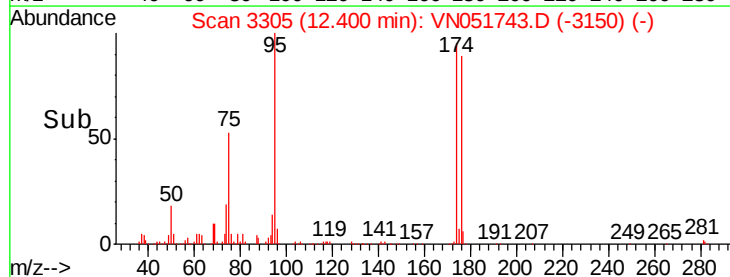
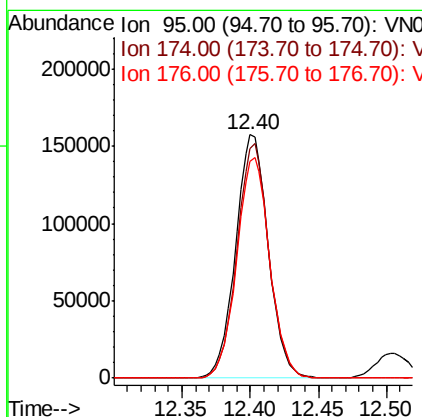
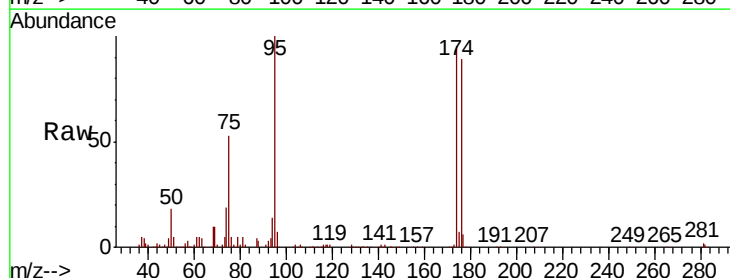
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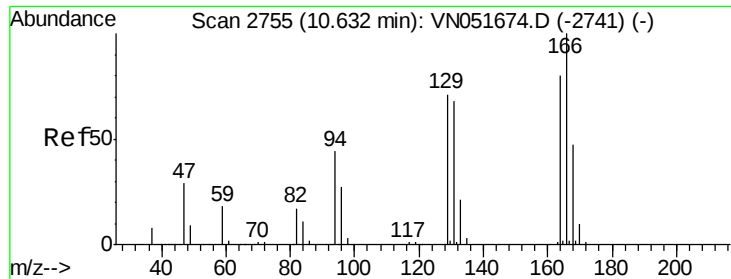
MMDadoda
10/10/2018 10:09:10 AM



#60
4-Bromofluorobenzene
Concen: 101.702 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	73.5	110.3
176	91.4	70.2	105.2





#61

Tetrachloroethene

Concen: 20.472 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 146770

Ion Ratio Lower Upper

164 100

166 122.7 98.7 148.1

129 86.6 69.6 104.4

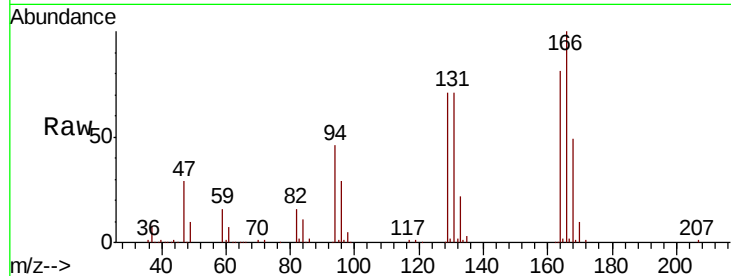
131 87.6 72.4 108.6

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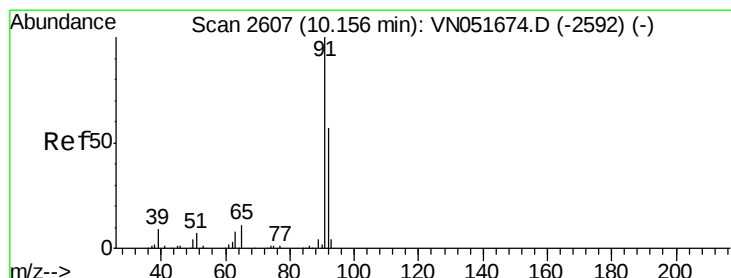
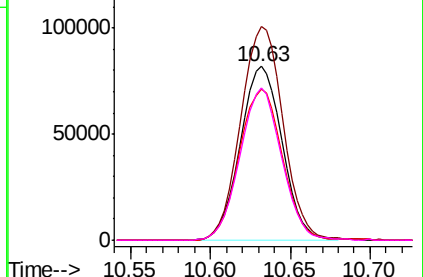
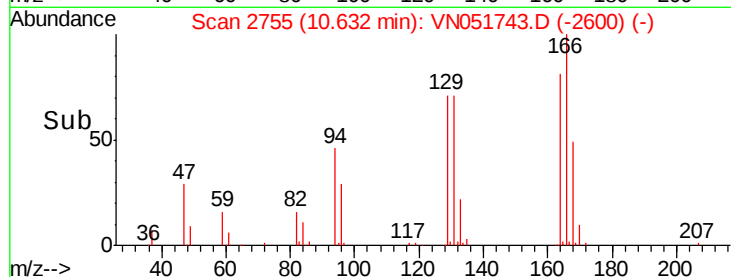


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.903 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051743.D

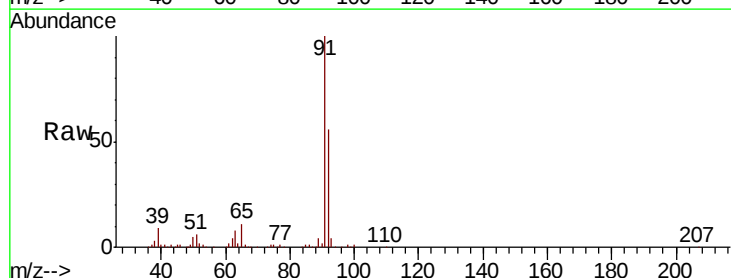
Acq: 9 Oct 2018 11:09

Tgt Ion: 91 Resp: 613533

Ion Ratio Lower Upper

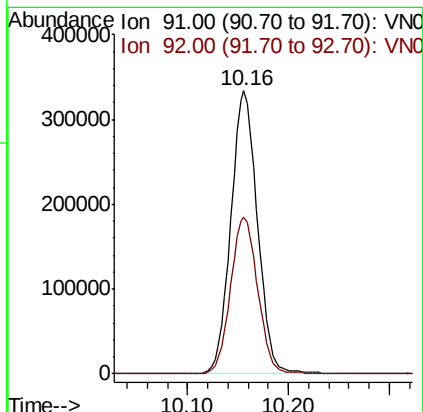
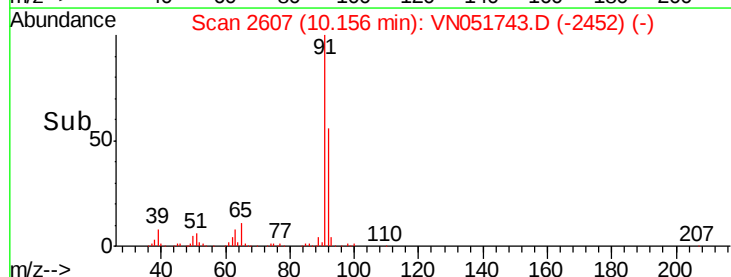
91 100

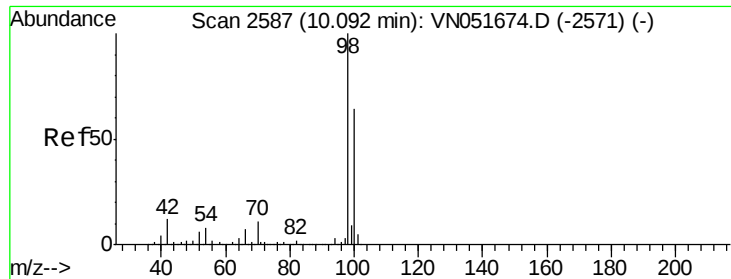
92 56.0 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.903 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 807527

Ion Ratio Lower Upper

98 100

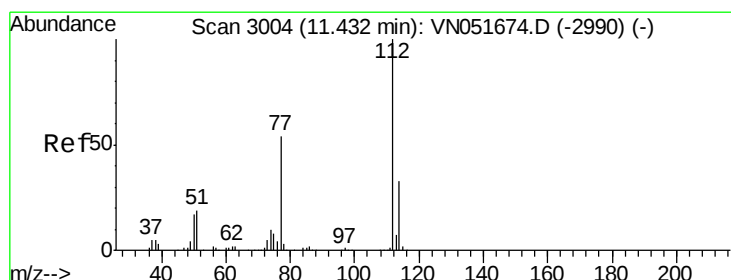
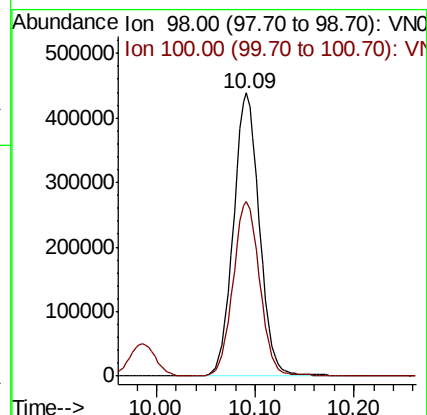
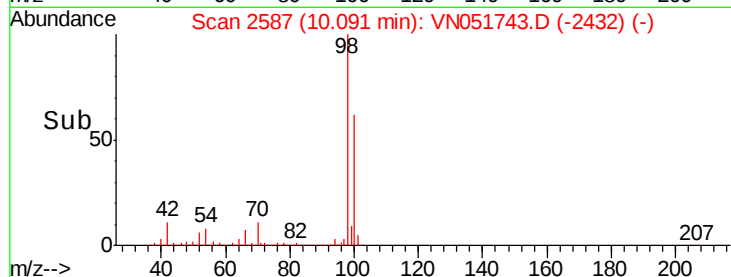
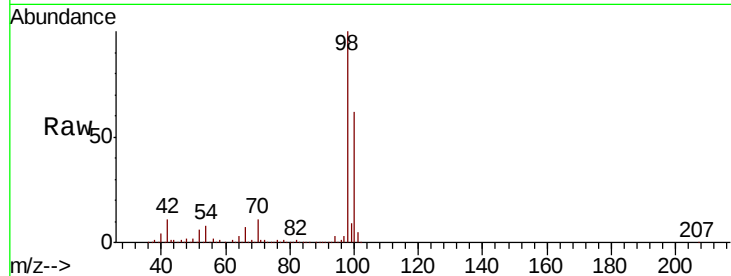
100 62.7 50.8 76.2

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#64

Chlorobenzene

Concen: 19.799 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051743.D

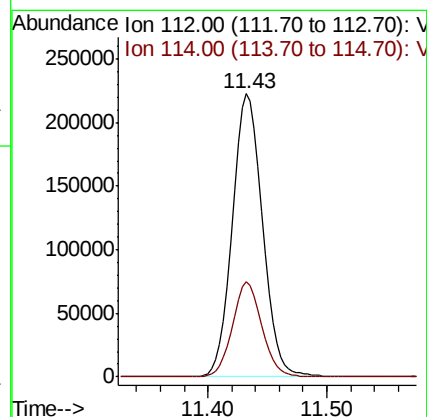
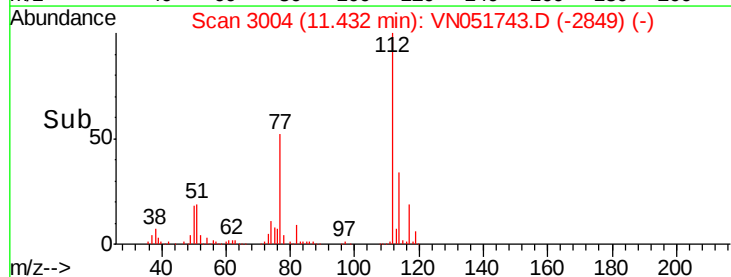
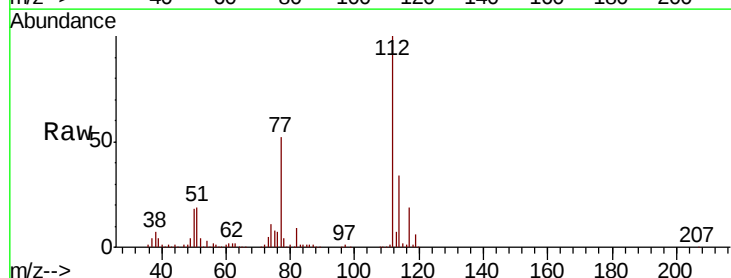
Acq: 9 Oct 2018 11:09

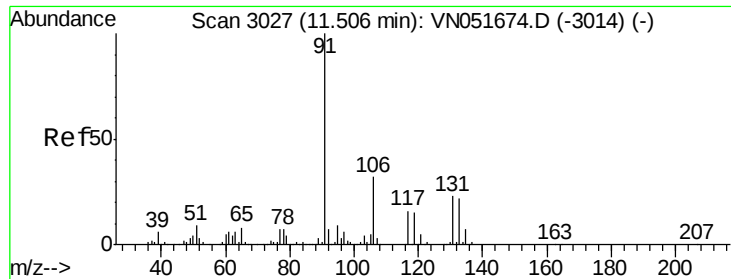
Tgt Ion: 112 Resp: 391739

Ion Ratio Lower Upper

112 100

114 33.6 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.326 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

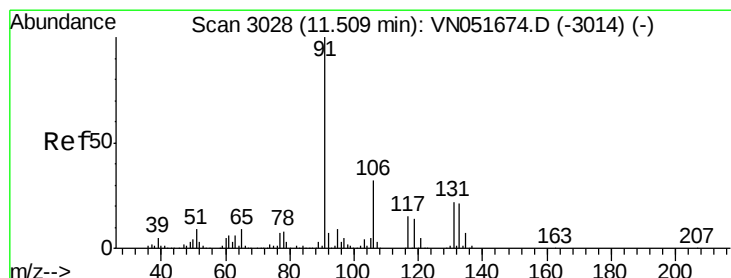
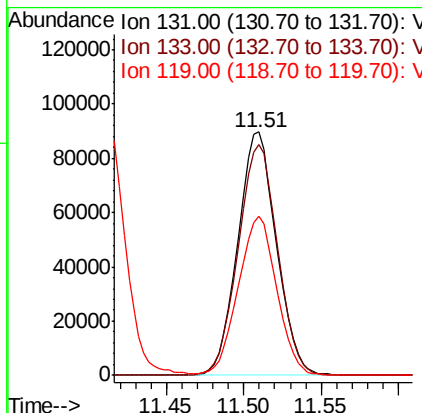
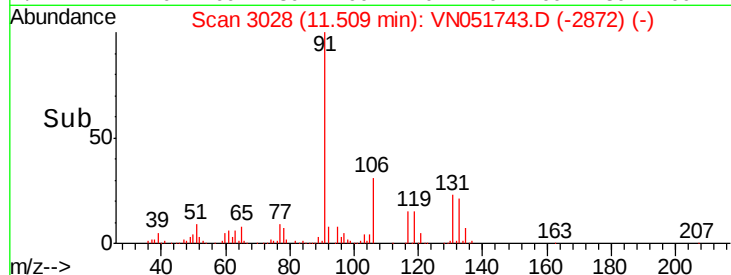
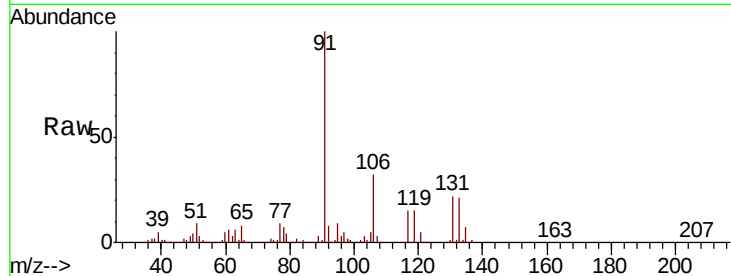
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	155627
Ion Ratio	Lower	Upper	
131	100		
133	96.9	0.0	190.4
119	65.5	0.0	128.0

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#66

Ethyl Benzene

Concen: 19.353 ug/l

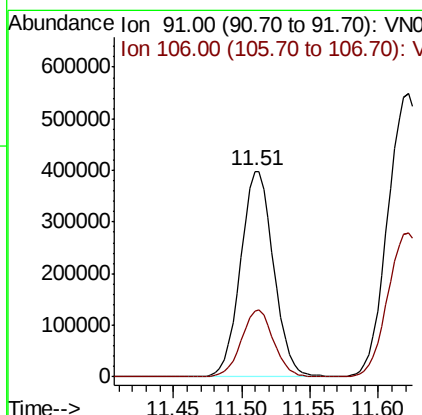
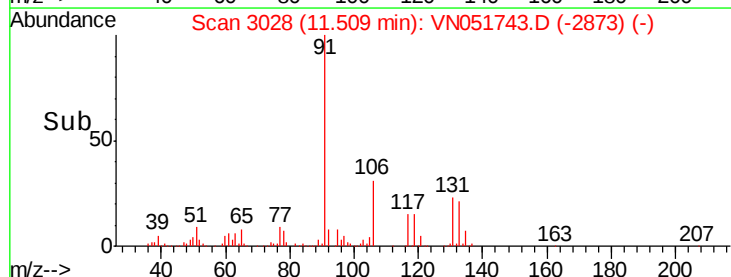
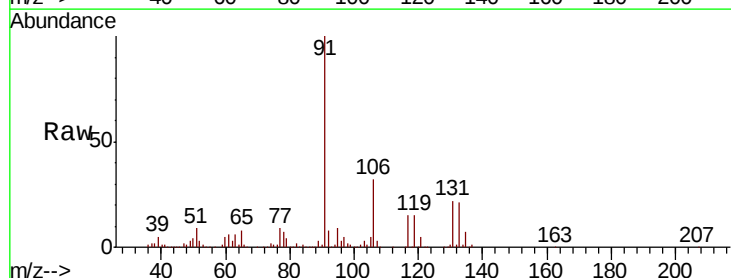
RT: 11.51 min Scan# 3028

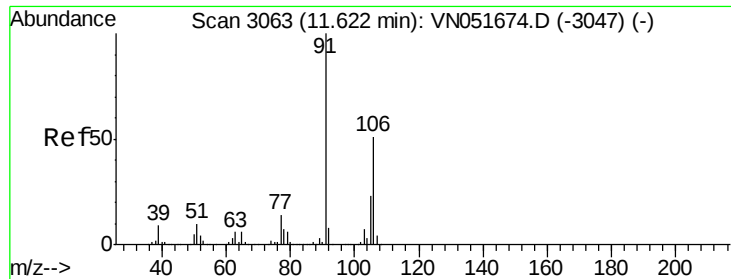
Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Tgt Ion:	91	Resp:	671119
Ion Ratio	Lower	Upper	
91	100		
106	32.0	25.9	38.9





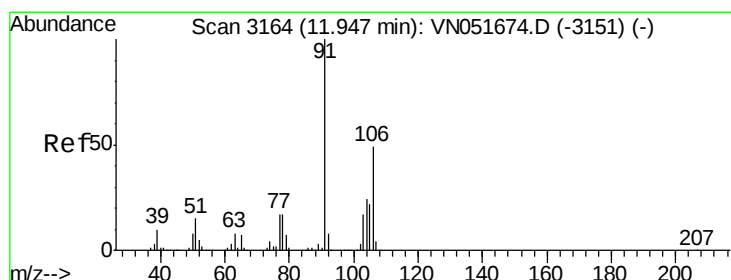
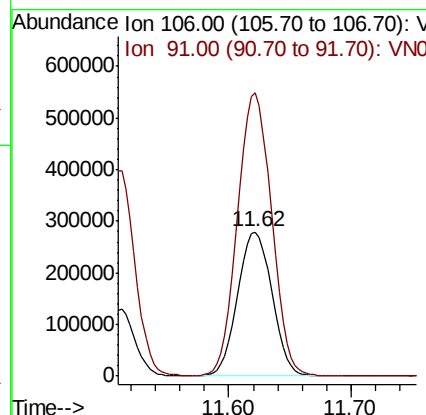
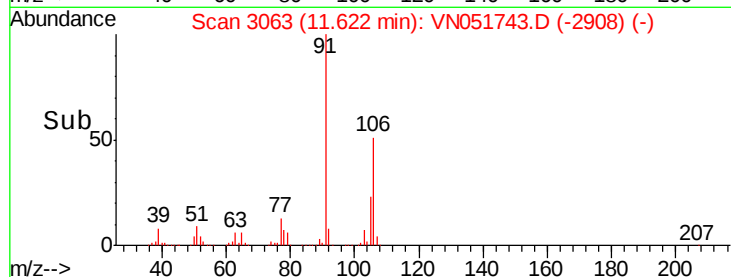
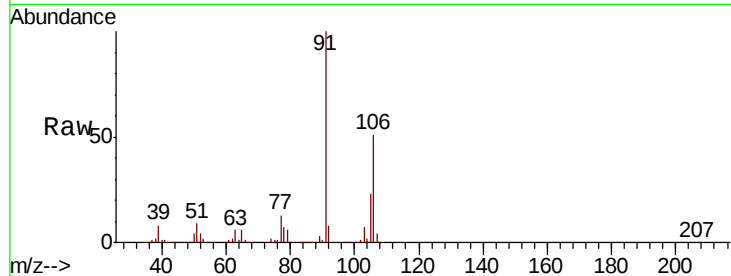
#67
m/p-Xvlenes
Concen: 39.474 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	194.9	158.8	238.2		

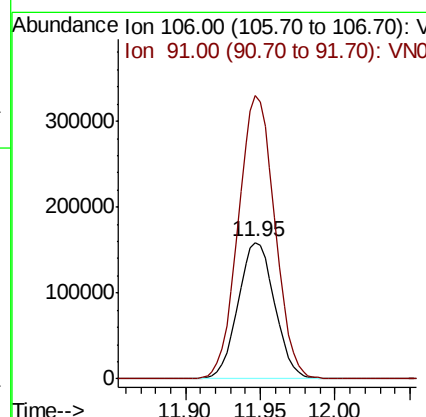
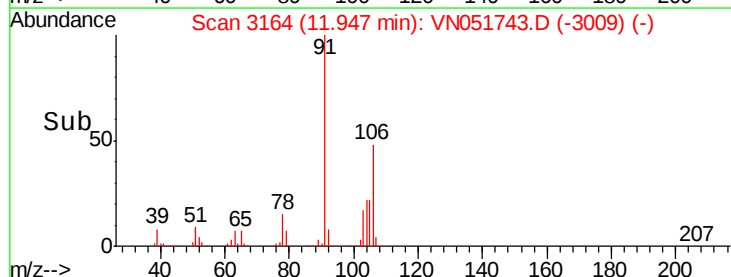
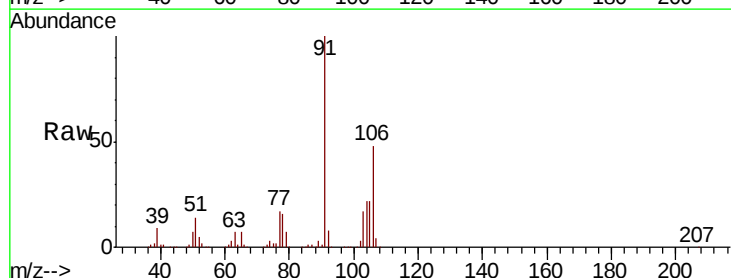
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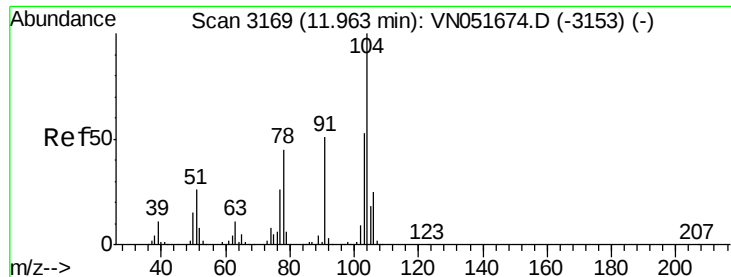
MMDadoda
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#68
o-Xylene
Concen: 19.806 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	207.1	111.1	333.3		





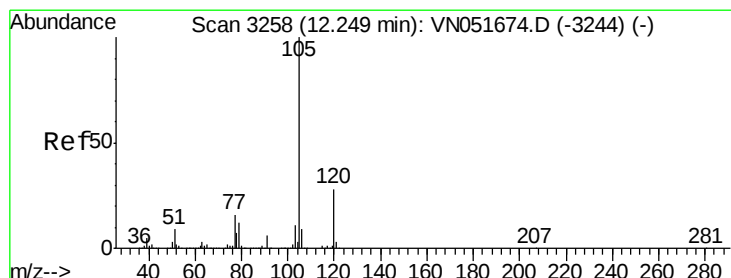
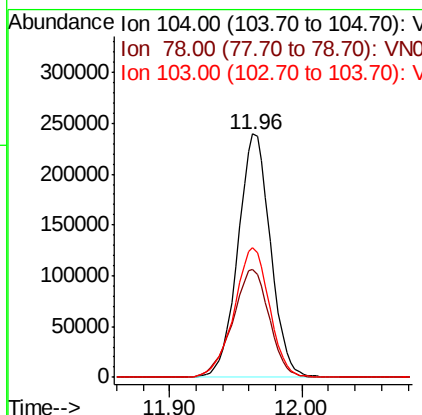
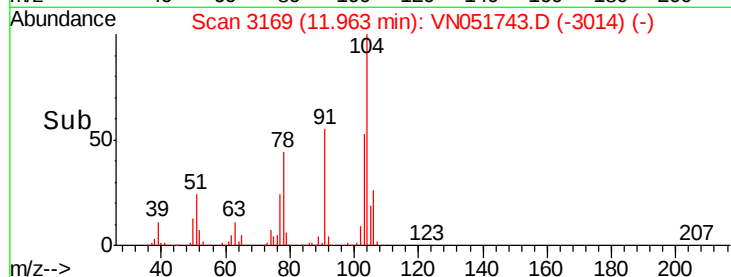
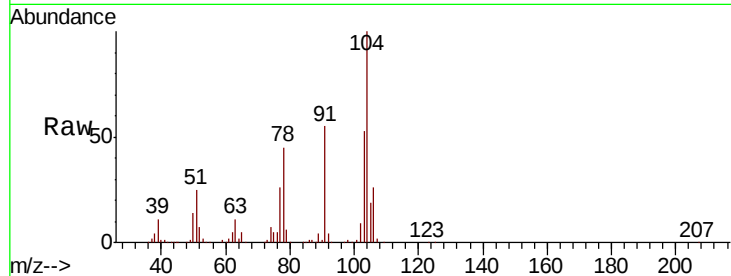
#69
Stvrene
Concen: 18.699 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		408135		
78	49.9	40.6		60.8	
103	57.7	44.0		66.0	

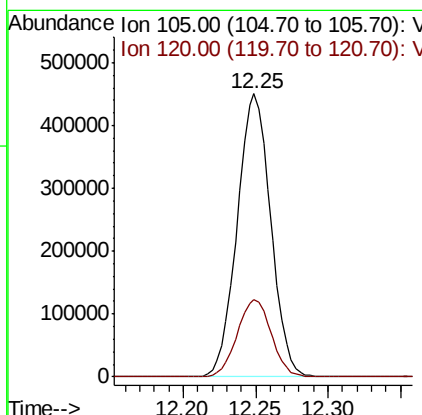
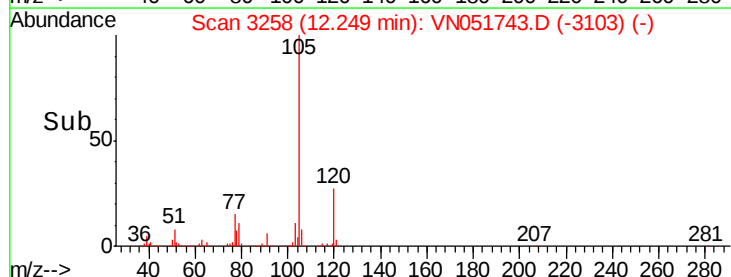
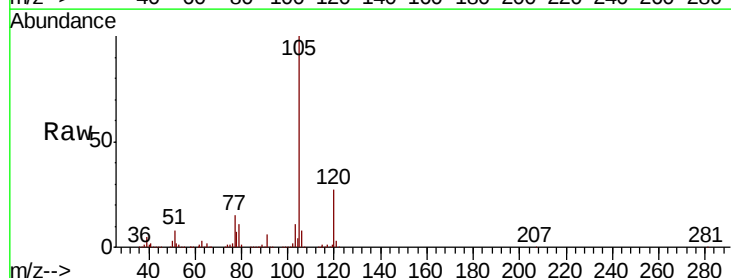
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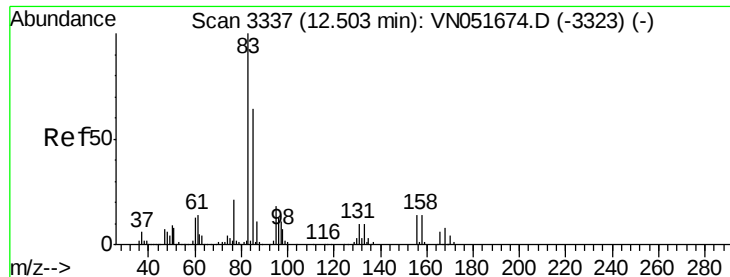
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#70
Isopropylbenzene
Concen: 19.694 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		723914		
120	27.6	19.0		35.4	





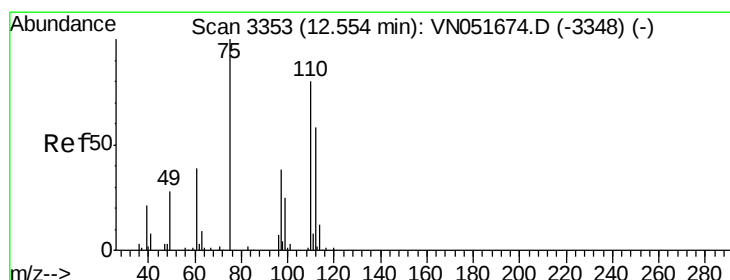
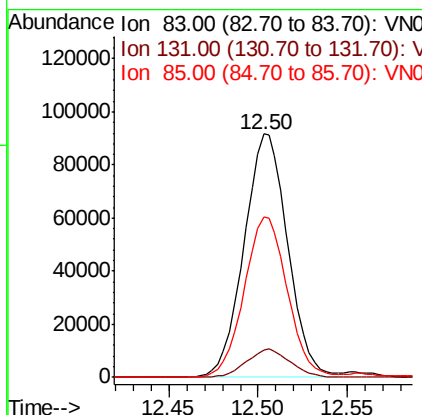
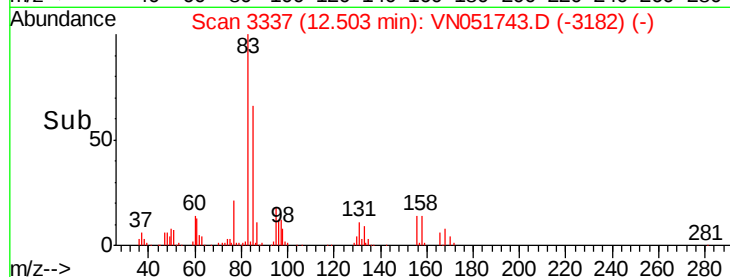
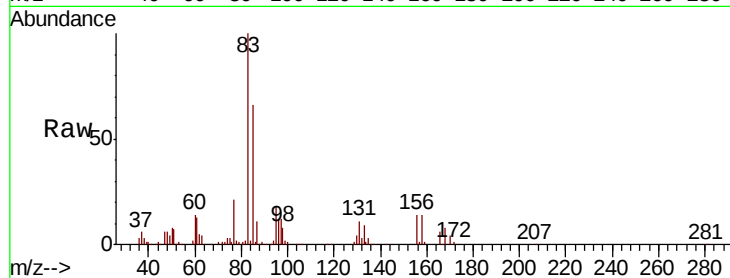
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.490 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.5	16.4
85	65.1	30.6	91.8

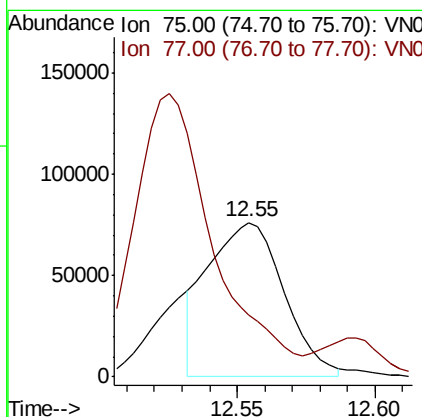
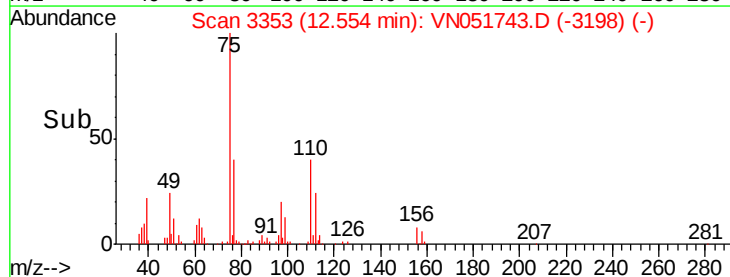
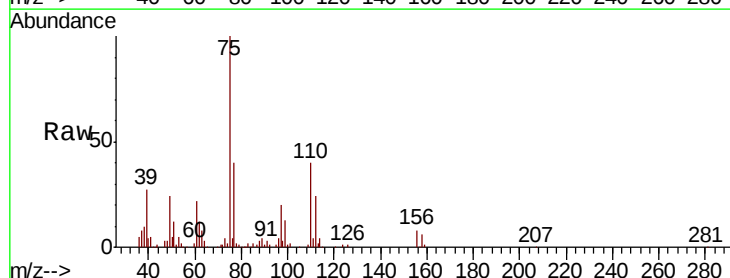
Manual Integrations
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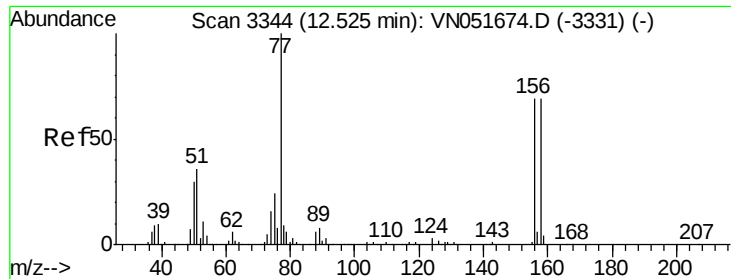
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 23.941 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	191.5	0.0	400.0





#73

Bromobenzene

Concen: 19.396 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

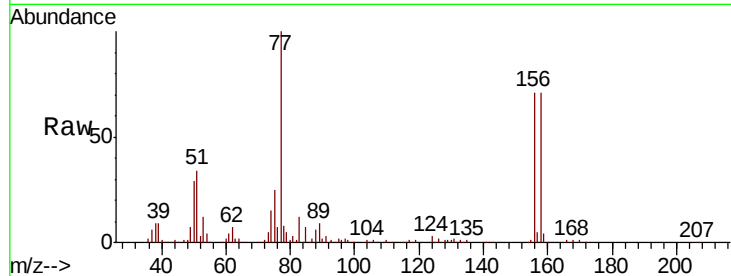
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	171482
Ion Ratio	Lower	Upper	
156	100		
77	163.7	0.0	377.4
158	97.4	0.0	203.0

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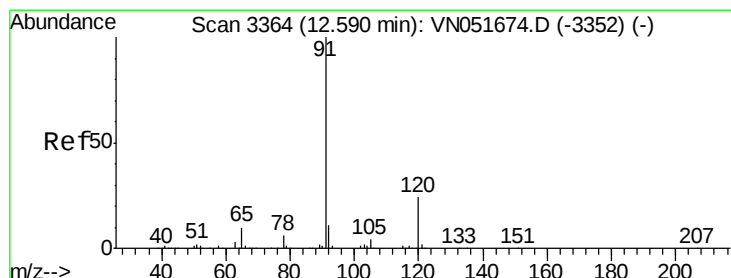
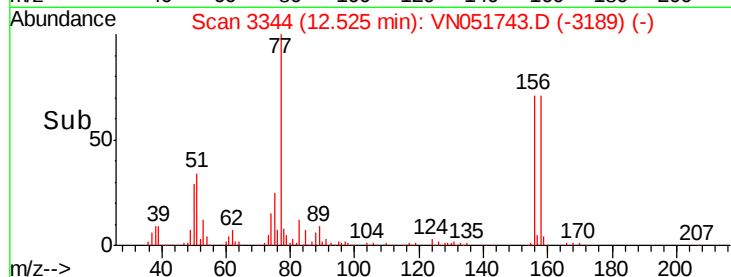
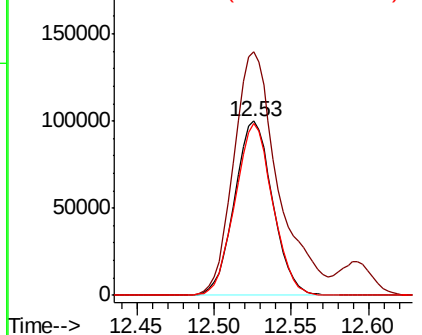
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.386 ug/l

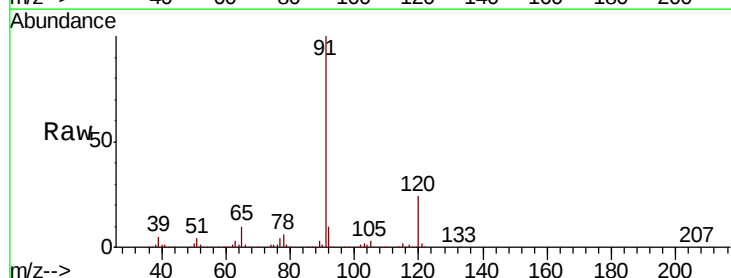
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051743.D

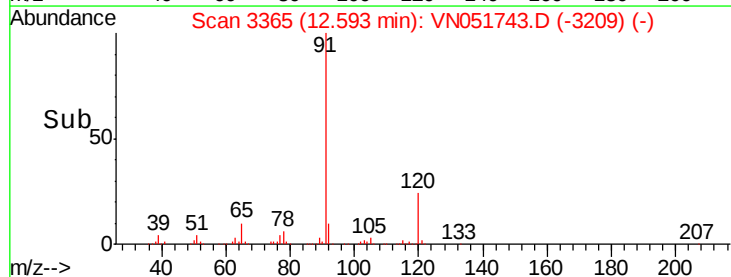
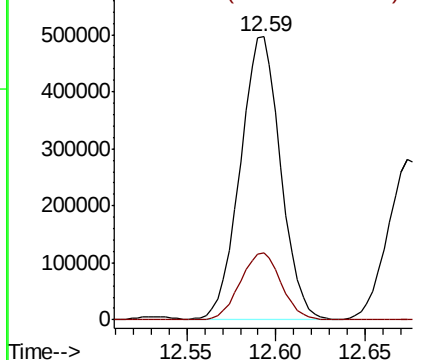
Acq: 9 Oct 2018 11:09

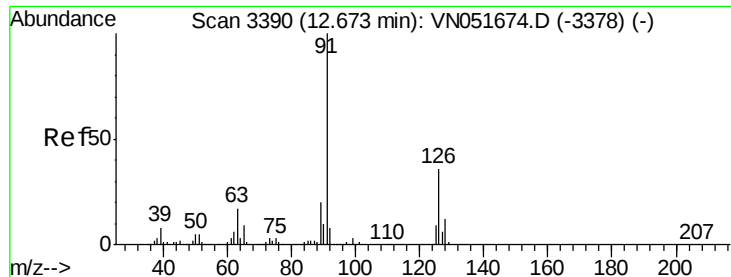
Tgt Ion:	91	Resp:	784477
Ion Ratio	Lower	Upper	
91	100		
120	24.0	0.0	45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.588 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 463141

Ion Ratio Lower Upper

91 100

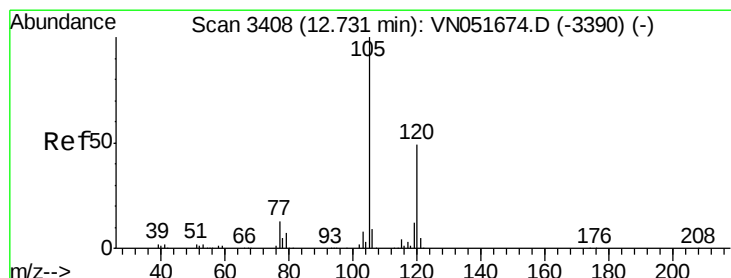
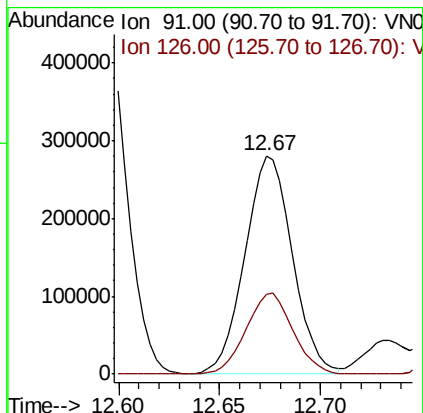
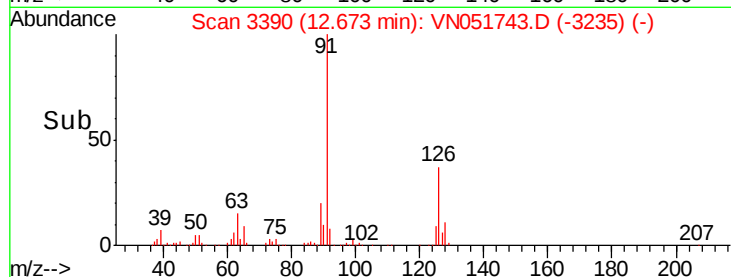
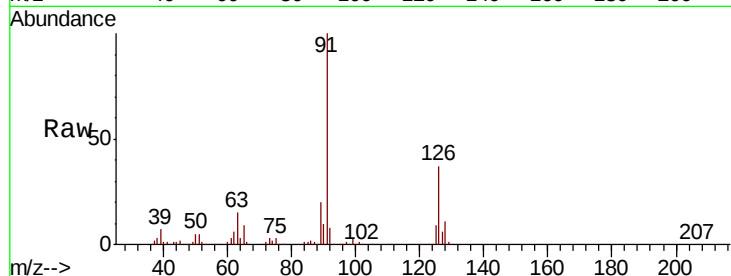
126 36.7 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 19.637 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051743.D

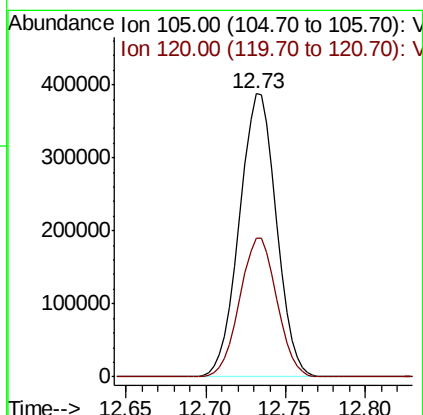
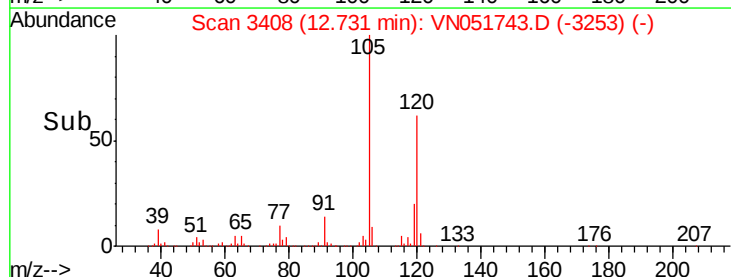
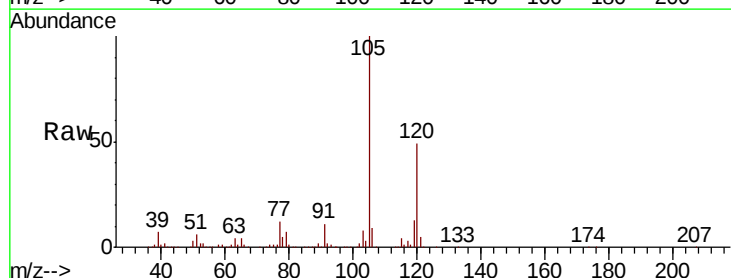
Acq: 9 Oct 2018 11:09

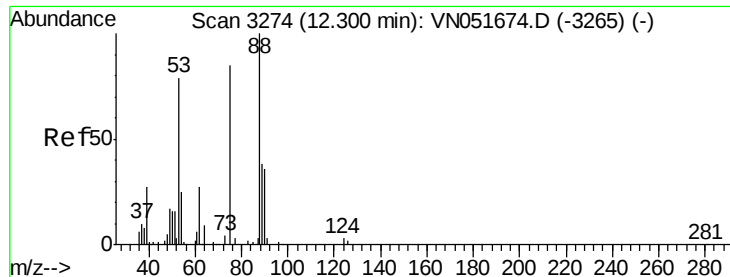
Tgt Ion: 105 Resp: 612495

Ion Ratio Lower Upper

105 100

120 49.1 0.0 98.2





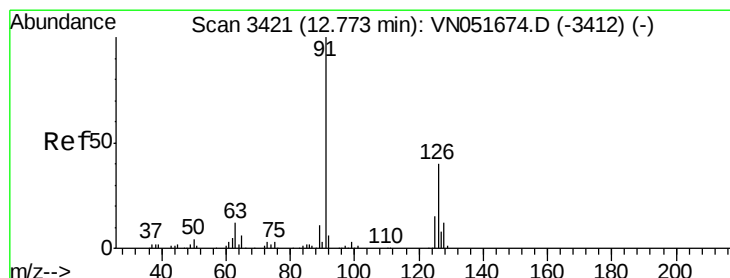
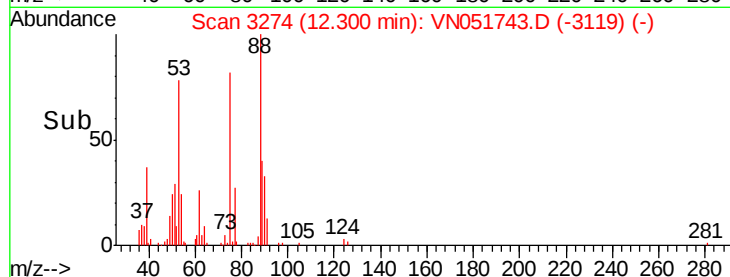
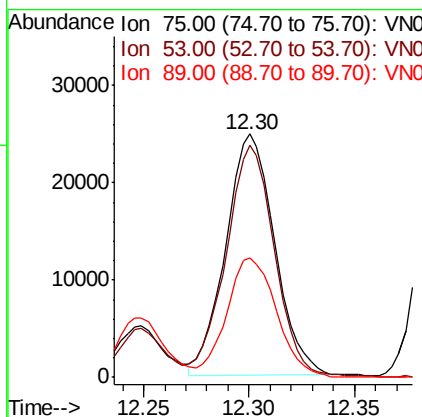
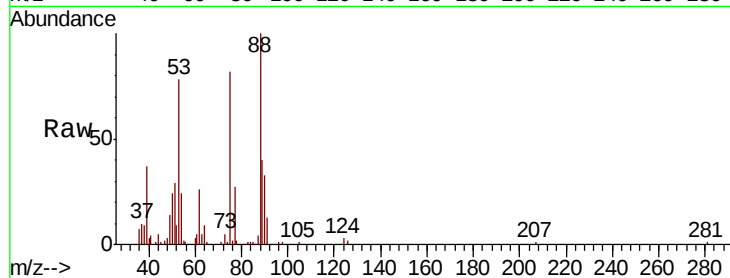
#77
t-1,4-Dichloro-2-butene
Concen: 17.524 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	46.3	138.9
89	49.7	24.6	73.8

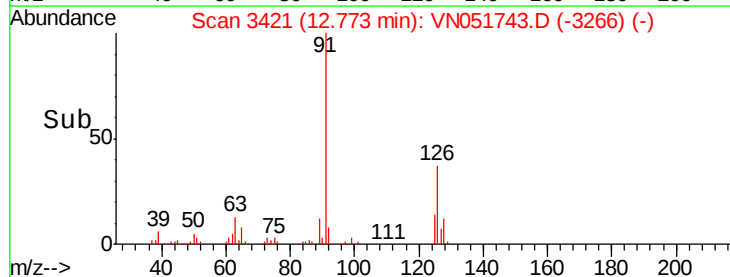
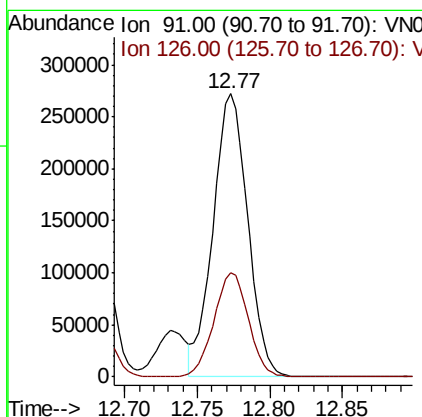
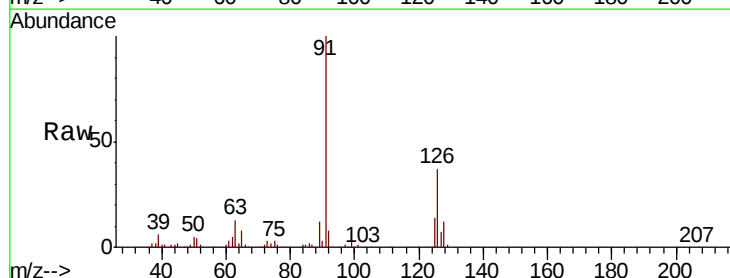
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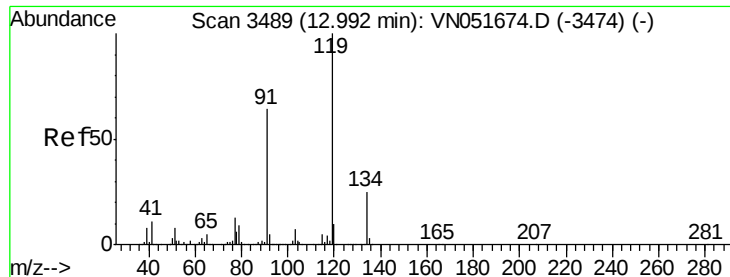
MMDadoda
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#78
4-Chlorotoluene
Concen: 19.144 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	0.0	65.2





#79

tert-butylbenzene

Concen: 19.935 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051743.D

Acq: 9 Oct 2018 11:09

Instrument :

MSVOA_N

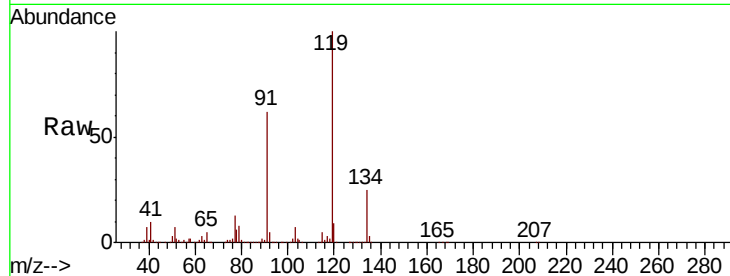
ClientSampleId :

VSTDCCC020

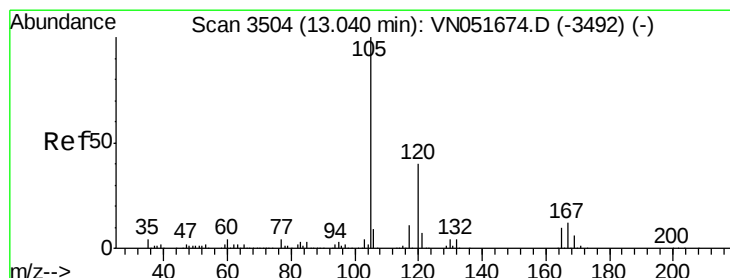
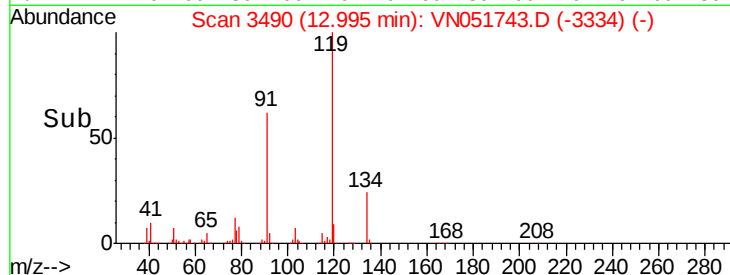
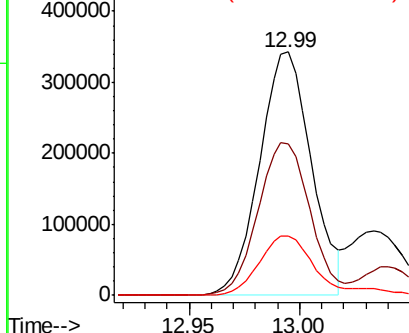
Tot Ion:	119	Resp:	559244
Ion Ratio	Lower	Upper	
119	100		
91	62.8	0.0	131.6
134	25.2	0.0	46.2

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.038 ug/l

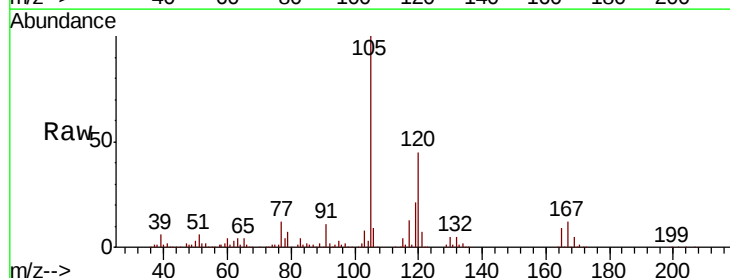
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

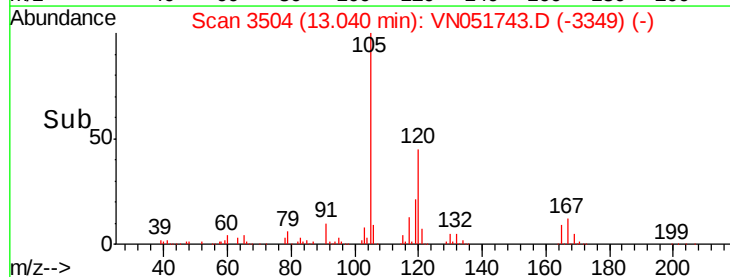
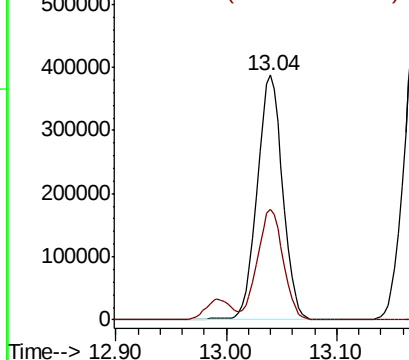
Lab File: VN051743.D

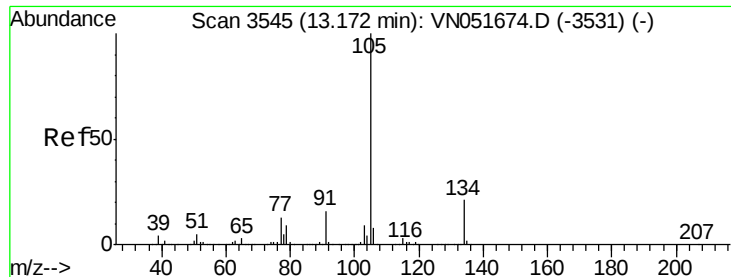
Acq: 9 Oct 2018 11:09

Tgt Ion:	105	Resp:	621682
Ion Ratio	Lower	Upper	
105	100		
120	45.5	0.0	89.6



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





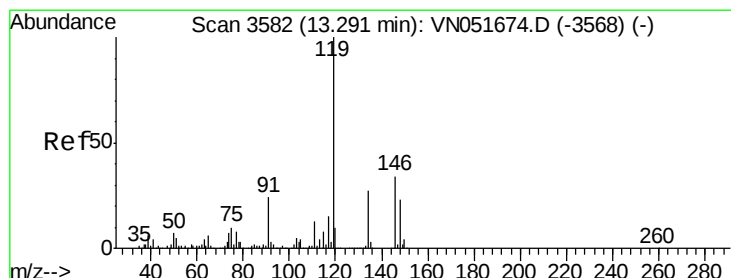
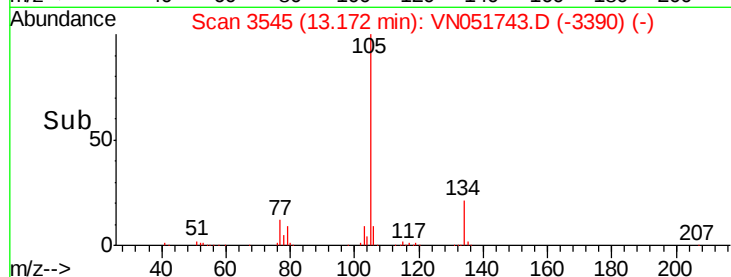
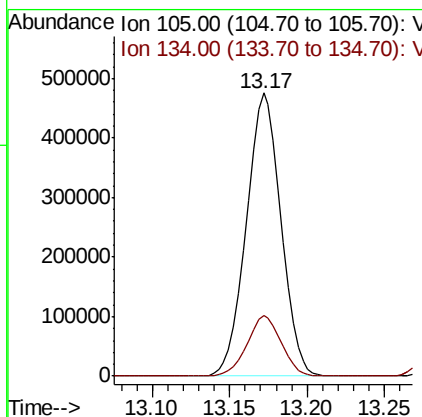
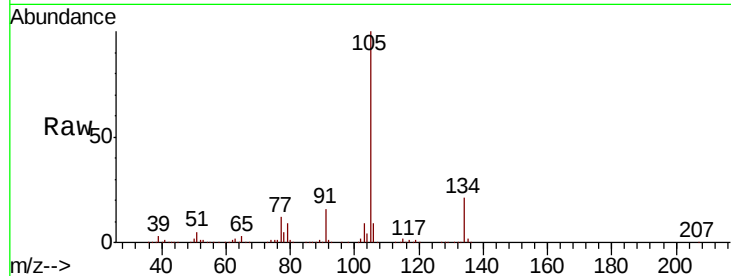
#81
 sec-Butylbenzene
 Concen: 19.750 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	39.4

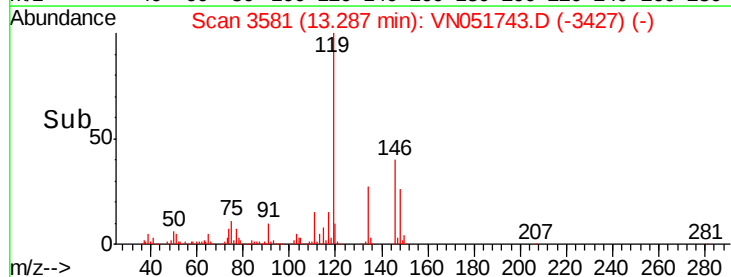
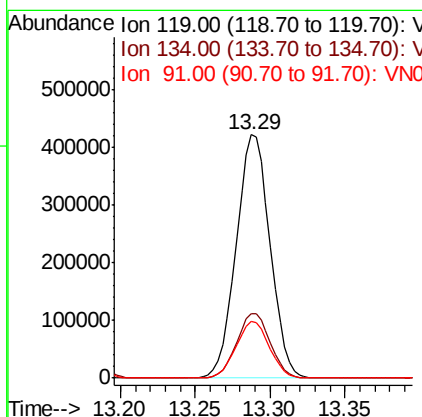
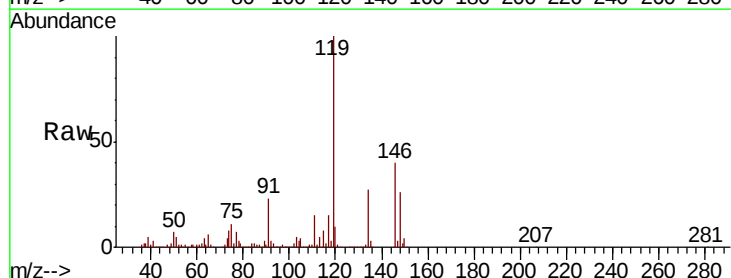
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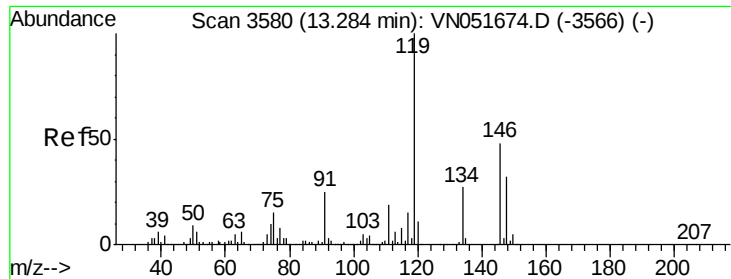
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#82
 p-Isopropyltoluene
 Concen: 19.987 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	53.6
91	23.2	0.0	52.0





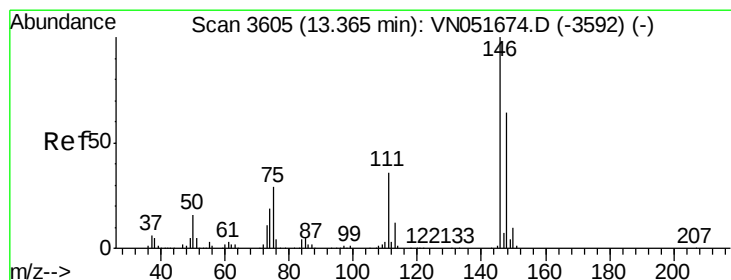
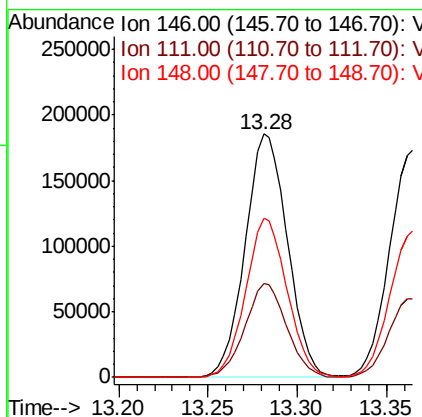
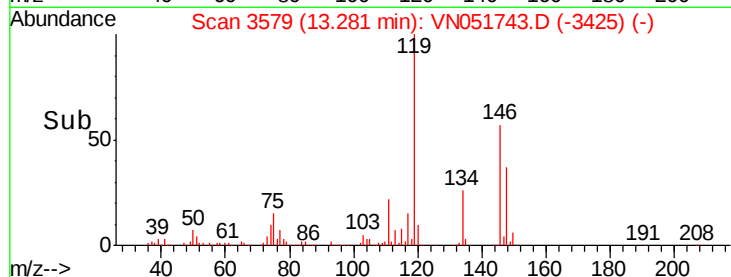
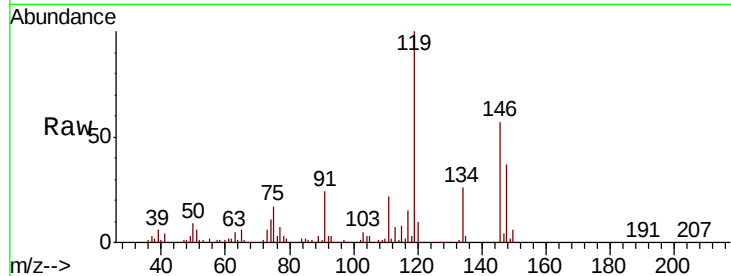
#83
 1,3-Dichlorobenzene
 Concen: 19.486 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.3
148	63.9	31.3	93.8

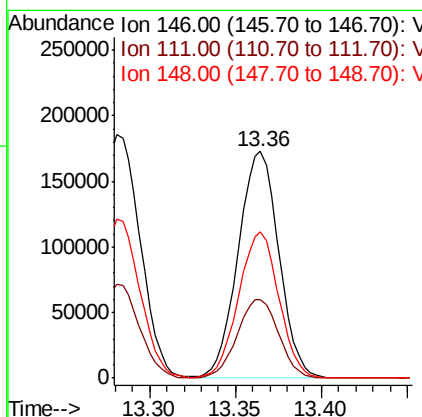
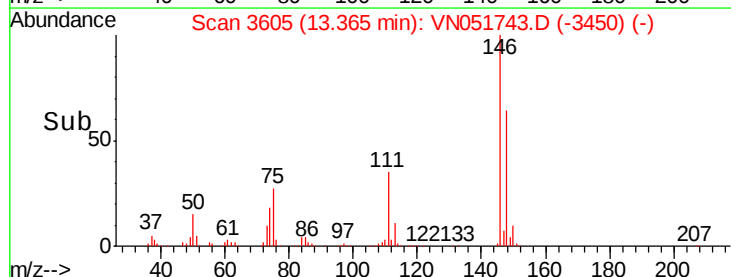
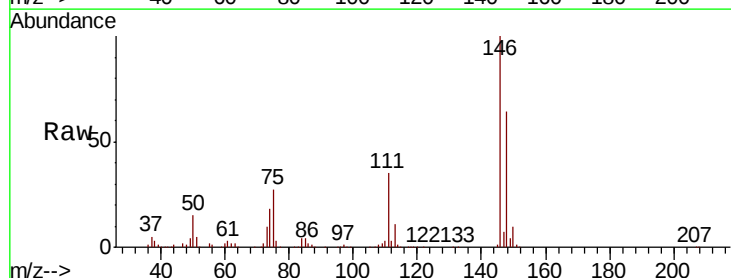
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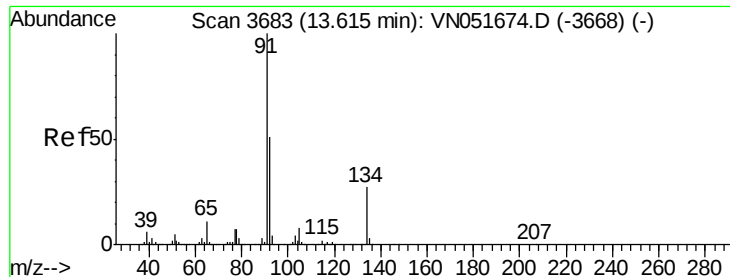
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#84
 1,4-Dichlorobenzene
 Concen: 18.831 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	17.4	52.2
148	63.6	32.8	98.3





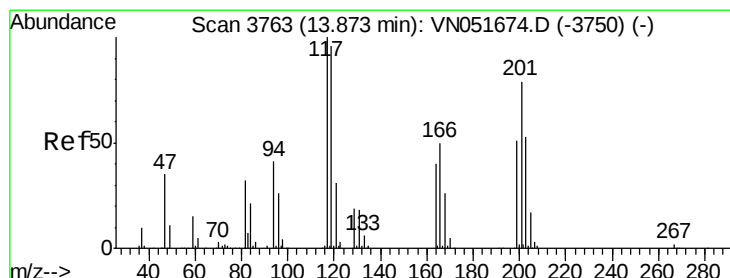
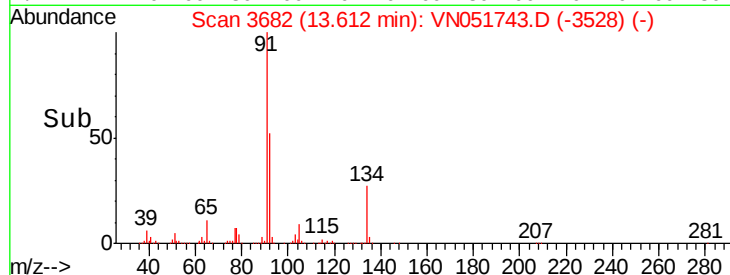
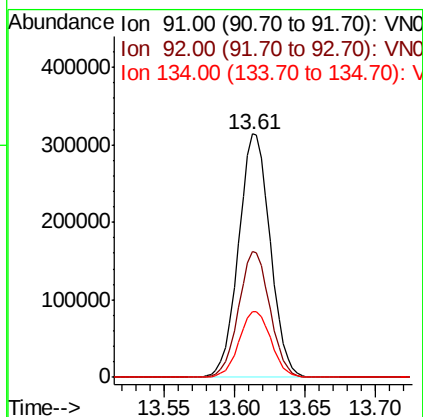
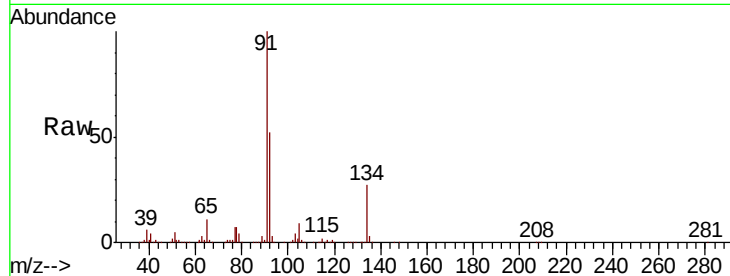
#85
n-Butylbenzene
Concen: 18.861 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	0.0	97.4
134	27.5	0.0	49.6

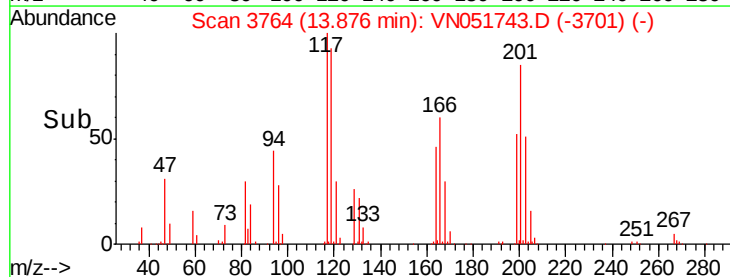
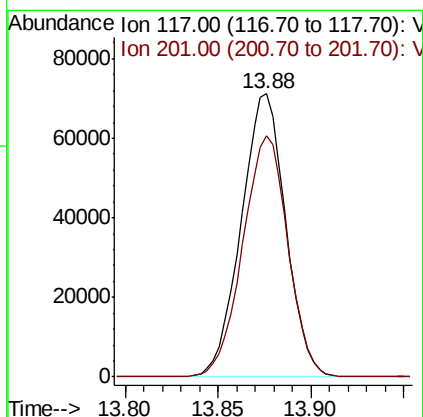
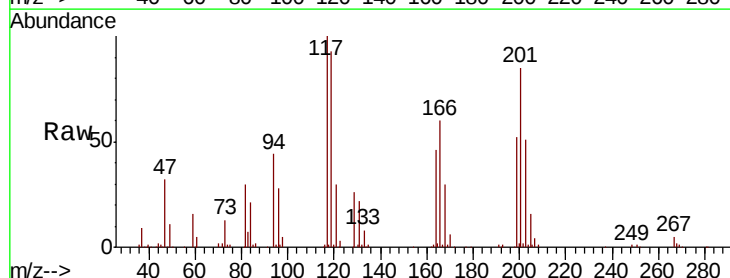
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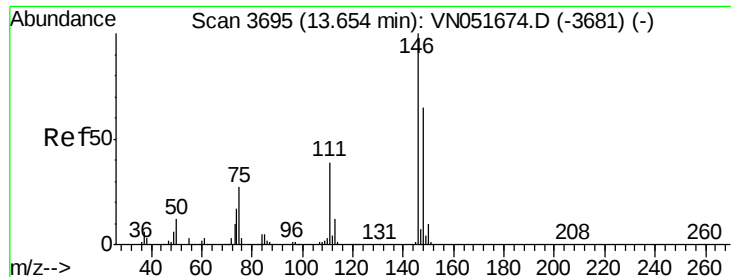
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#86
Hexachloroethane
Concen: 18.213 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	47.8	143.3





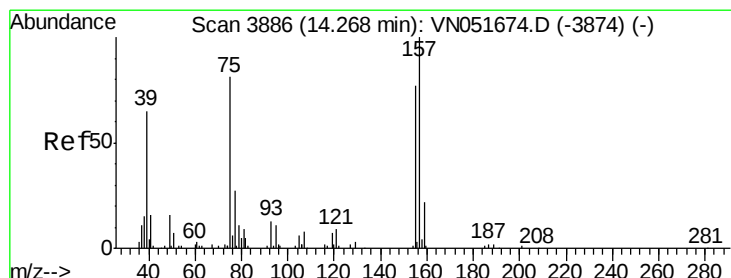
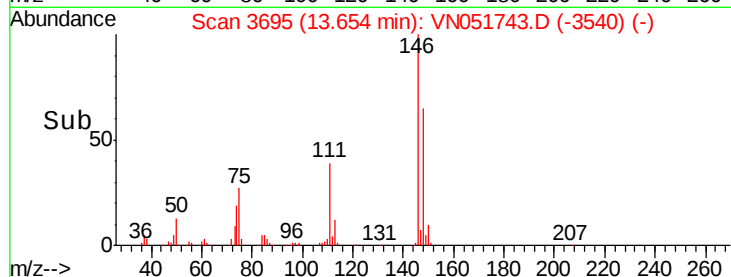
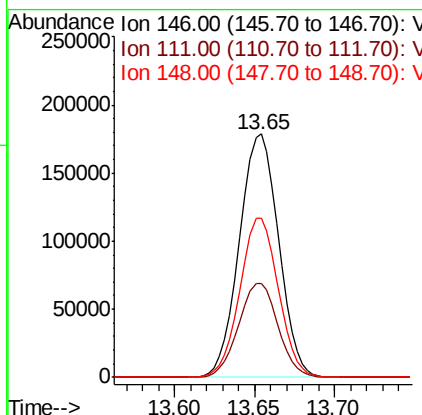
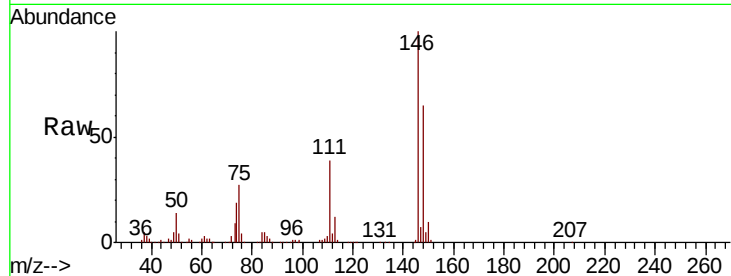
#87
 1,2-Dichlorobenzene
 Concen: 19.315 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	64.1	33.2	99.6

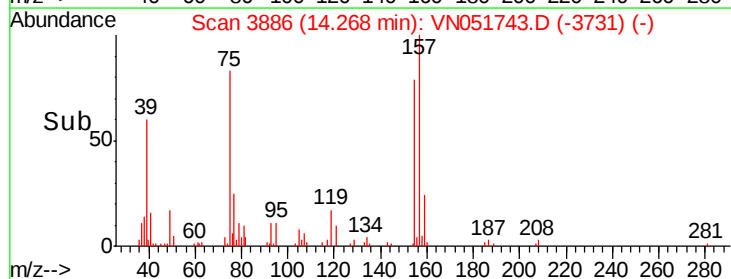
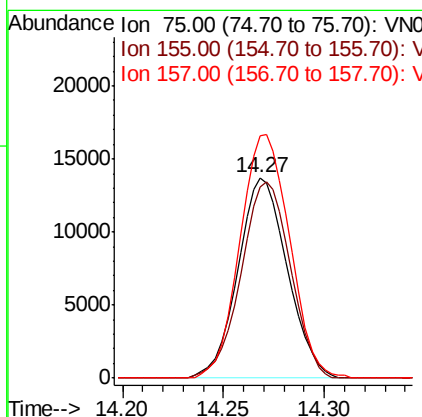
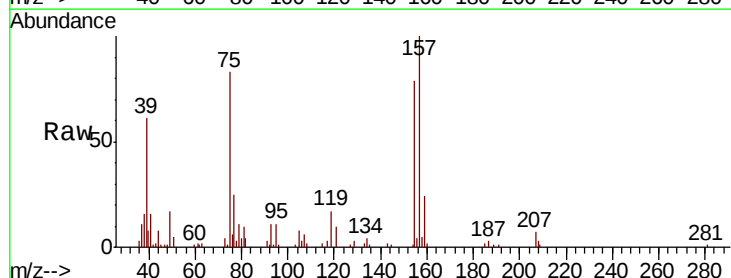
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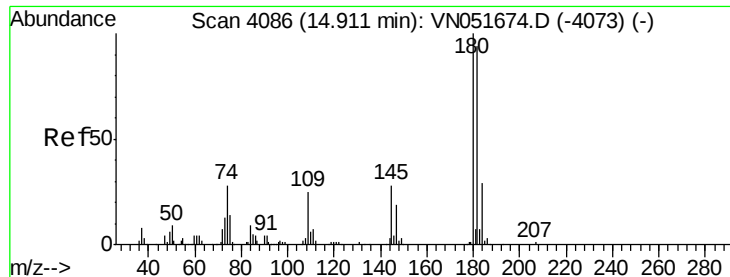
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.539 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	57.0	85.6#
157	122.7	87.4	131.0





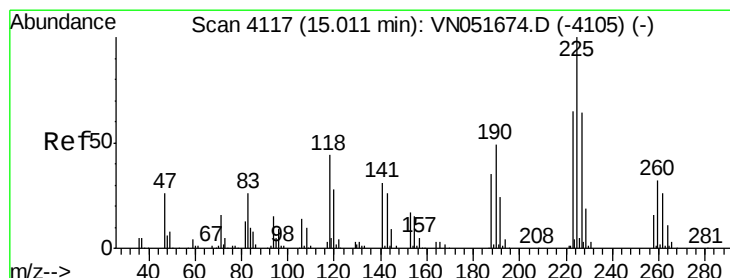
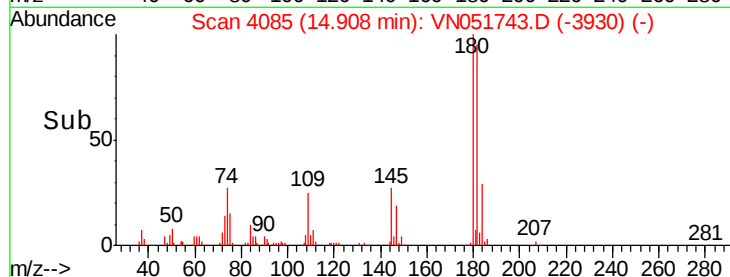
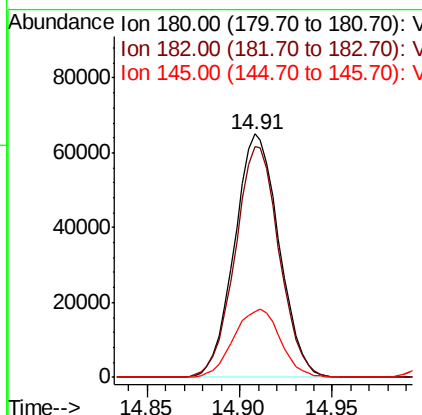
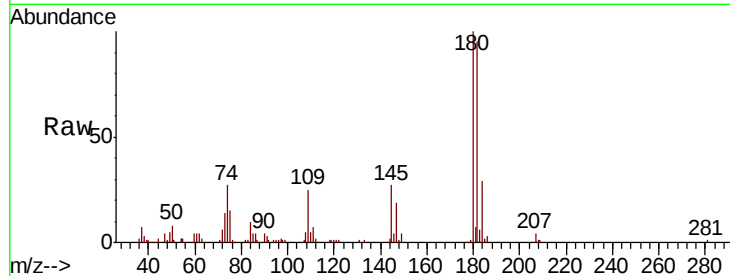
#89
 1,2,4-Trichlorobenzene
 Concen: 18.310 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.7	116.5
145	29.5	23.4	35.2

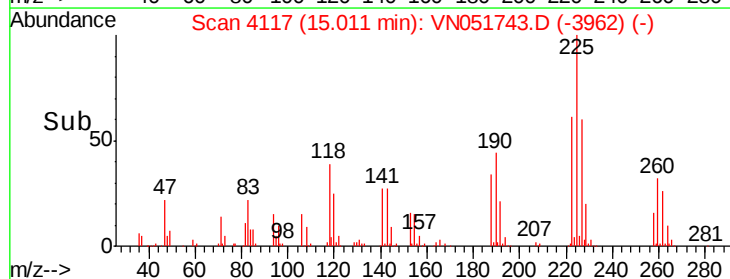
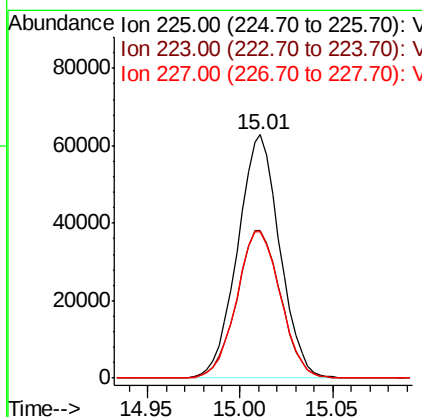
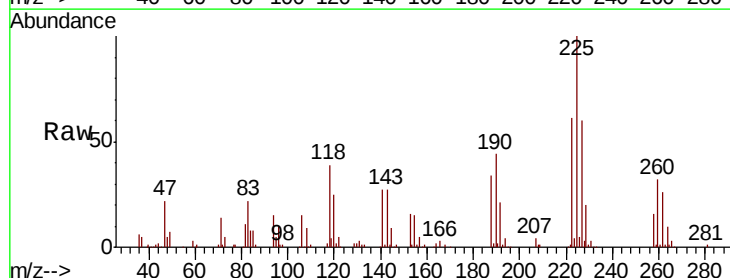
Manual Integrations
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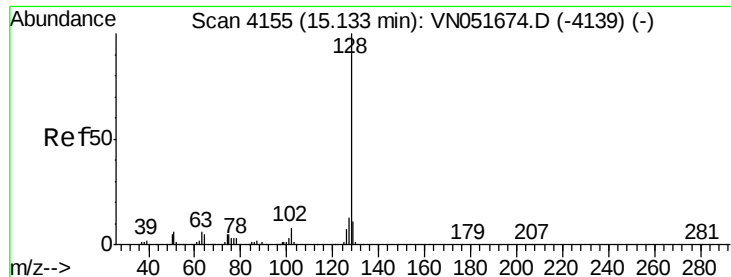
MMDadoda
 10/10/2018 10:09:10 AM



#90
 Hexachlorobutadiene
 Concen: 21.086 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051743.D
 Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	117.0
227	62.6	0.0	127.0





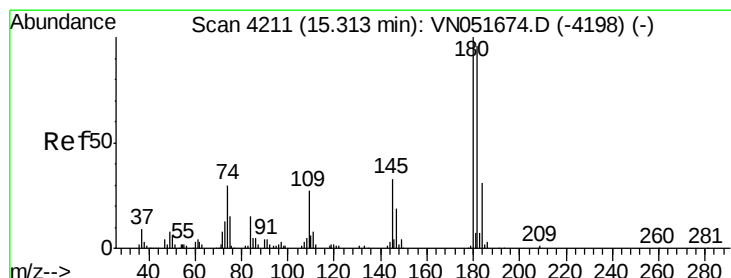
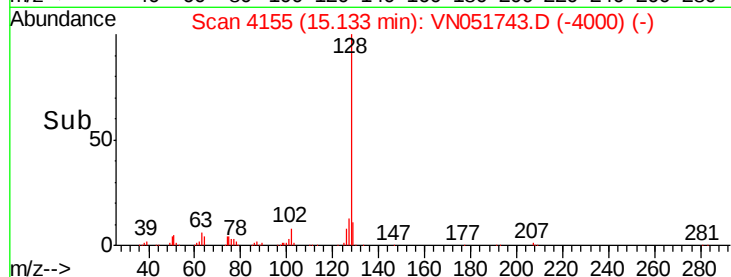
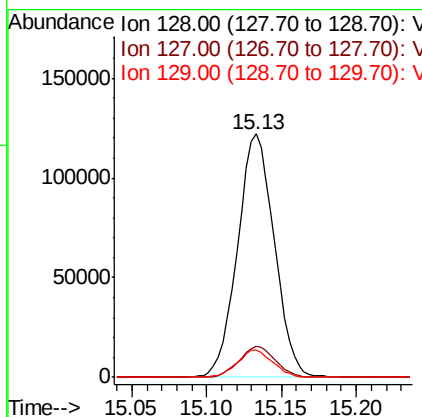
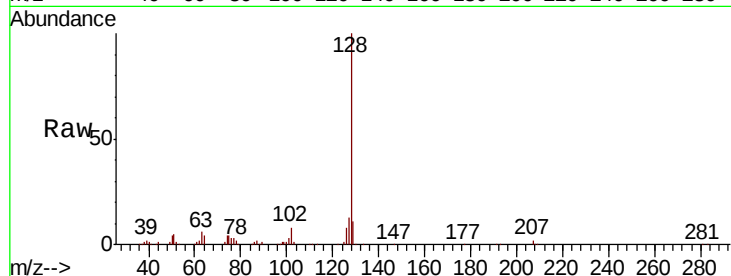
#91
Naphthalene
Concen: 14.289 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:10 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.275 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051743.D
Acq: 9 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	0.0	198.0
145	31.6	0.0	36.8

