

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
 Data File : VN052506.D
 Acq On : 28 Nov 2018 9:04
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:33:58 AM

Quant Time: Nov 28 13:38:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1161861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1767433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1573827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	733588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	601119	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.59	113	534632	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.09	98	2112421	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	725428	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	491367	45.167	ug/l	98
3) Chloromethane	2.06	50	631694	43.989	ug/l	100
4) Vinyl Chloride	2.19	62	661072	44.814	ug/l	99
5) Bromomethane	2.57	94	400705	43.535	ug/l	98
6) Chloroethane	2.71	64	394318	44.130	ug/l	100
7) Trichlorofluoromethane	3.02	101	830188	45.816	ug/l	99
8) Diethyl Ether	3.41	74	305406	45.641	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	533652	47.198	ug/l	99
10) Methyl Iodide	3.96	142	733940	48.737	ug/l	99
11) Tert butyl alcohol	4.77	59	144869	228.745	ug/l	99
12) 1,1-Dichloroethene	3.74	96	495530	45.530	ug/l	98
13) Acrolein	3.61	56	205033	193.327	ug/l	100
14) Allyl chloride	4.33	41	824383	43.949	ug/l	95
15) Acrylonitrile	4.98	53	894951	223.235	ug/l	99
16) Acetone	3.81	43	832533	249.507	ug/l	100
17) Carbon Disulfide	4.06	76	1533273	44.767	ug/l	99
18) Methyl Acetate	4.32	43	419537	43.833	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	1331857	45.994	ug/l	100
20) Methylene Chloride	4.55	84	563451	43.152	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	540054	46.461	ug/l	97
22) Diisopropyl ether	5.95	45	1815750	46.083	ug/l	100
23) Vinyl Acetate	5.89	43	5659789	230.622	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1026614	45.633	ug/l	100
25) 2-Butanone	6.83	43	1120593	236.940	ug/l	98
26) 2,2-Dichloropropane	6.82	77	745736	47.891	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	618932	45.710	ug/l	99
28) Bromochloromethane	7.19	49	469044	45.647	ug/l	98
29) Tetrahydrofuran	7.21	42	667078	218.681	ug/l	99
30) Chloroform	7.37	83	1001879	44.637	ug/l	98
31) Cyclohexane	7.65	56	995539	45.689	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	833795	46.886	ug/l	99
36) 1,1-Dichloropropene	7.79	75	798789	47.859	ug/l	99
37) Ethyl Acetate	6.92	43	443665	43.556	ug/l	99
38) Carbon Tetrachloride	7.77	117	722218	47.800	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1003011	49.442	ug/l	99
40) Benzene	8.04	78	2356831	47.383	ug/l	100
41) Methacrylonitrile	7.17	41	237359	42.623	ug/l	93
42) 1,2-Dichloroethane	8.12	62	707123	46.951	ug/l	99
43) Isopropyl Acetate	8.16	43	799909	46.404	ug/l	99
44) Trichloroethene	8.83	130	619022	48.585	ug/l	99
45) 1,2-Dichloropropane	9.12	63	628964	47.562	ug/l	98
46) Dibromomethane	9.21	93	346949	47.393	ug/l	99
47) Bromodichloromethane	9.40	83	758080	47.629	ug/l	100
48) Methyl methacrylate	9.20	41	420508	46.784	ug/l	99
49) 1,4-Dioxane	9.20	88	92867	995.541	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2272056	234.920	ug/l	100
52) Toluene	10.16	92	1451729	49.123	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	764134	49.904	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	906809	49.419	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	497099	47.819	ug/l	99
56) Ethyl methacrylate	10.43	69	637567	44.482	ug/l	99
57) 1,3-Dichloropropane	10.71	76	869720	47.383	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1817033	240.885	ug/l	99
59) 2-Hexanone	10.75	43	1628235	250.840	ug/l	99
60) Dibromochloromethane	10.90	129	553573	49.030	ug/l	99
61) 1,2-Dibromoethane	11.01	107	495931	48.033	ug/l	99
64) Tetrachloroethene	10.63	164	587699	48.163	ug/l	99
65) Chlorobenzene	11.43	112	1571305	48.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	546713	48.451	ug/l	99
67) Ethyl Benzene	11.51	91	2806432	49.383	ug/l	99
68) m/p-Xylenes	11.62	106	2098856	99.208	ug/l	99
69) o-Xylene	11.95	106	1016306	49.469	ug/l	100
70) Styrene	11.96	104	1660307	50.739	ug/l	99
71) Bromoform	12.13	173	365738	48.953	ug/l #	98
73) Isopropylbenzene	12.25	105	2746501	47.720	ug/l	100
74) N-amyl acetate	12.07	43	690864	47.513	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	578269	44.168	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	494338m	43.699	ug/l	
77) Bromobenzene	12.53	156	668711	47.007	ug/l	99
78) n-propylbenzene	12.59	91	3184286	48.701	ug/l	100
79) 2-Chlorotoluene	12.68	91	1840535	47.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2216395	48.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	163039	48.131	ug/l	100
82) 4-Chlorotoluene	12.77	91	1875821	47.802	ug/l	100
83) tert-Butylbenzene	12.99	119	1947219	47.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2237948	48.649	ug/l	100
85) sec-Butylbenzene	13.17	105	2712142	48.660	ug/l	100
86) p-Isopropyltoluene	13.29	119	2321228	48.896	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1189621	47.806	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1176399	47.995	ug/l	100
89) n-Butylbenzene	13.62	91	2046743	51.842	ug/l	100
90) Hexachloroethane	13.88	117	381760	47.493	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1129968	47.529	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85231	45.517	ug/l	100

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VSTDCCC050

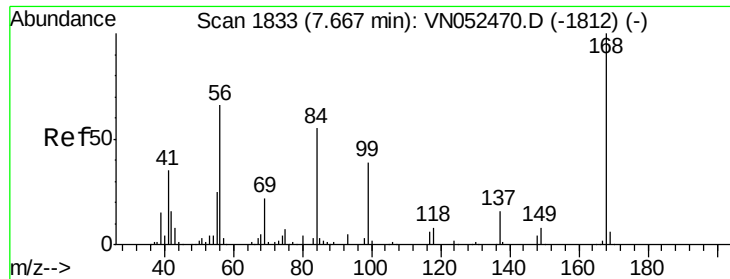
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	602096	46.444	ug/l	99
94) Hexachlorobutadiene	15.01	225	364836	47.702	ug/l	99
95) Naphthalene	15.14	128	1213662	44.358	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	544729	45.737	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1161861

Ion Ratio Lower Upper

168 100

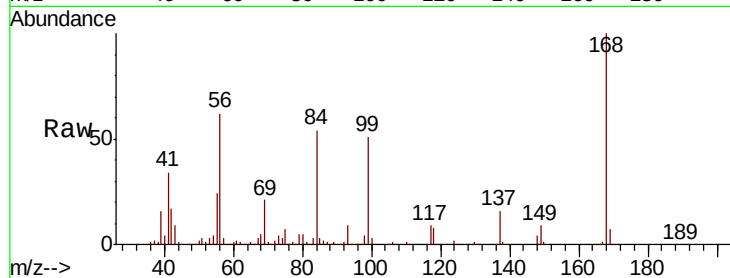
99 50.7 41.7 62.5

Manual Integrations

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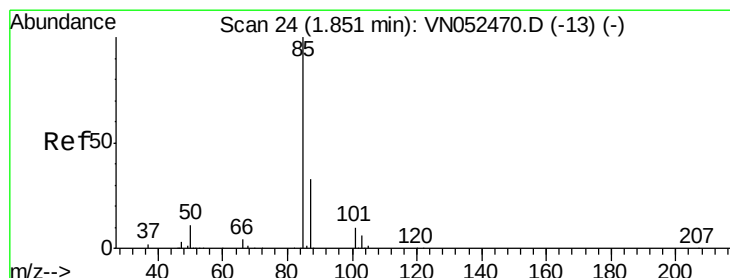
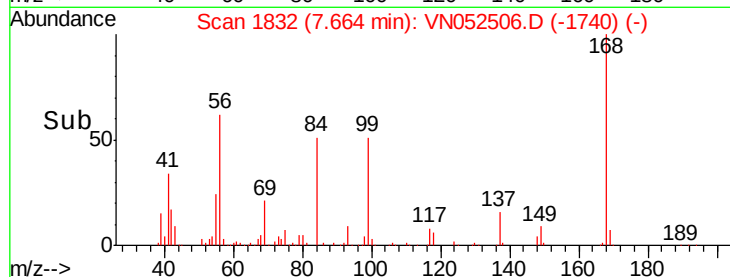
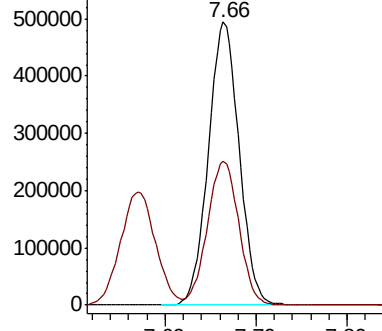
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11/29/2018 9:33:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.167 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052506.D

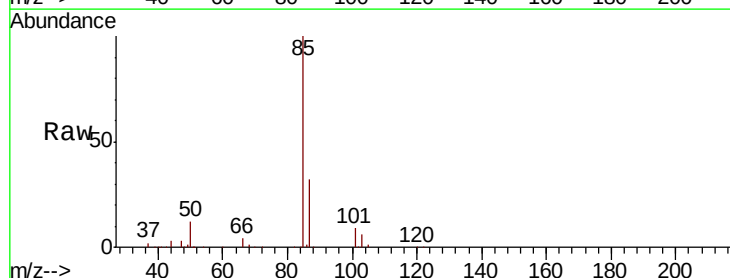
Acq: 28 Nov 2018 9:04

Tgt Ion: 85 Resp: 491367

Ion Ratio Lower Upper

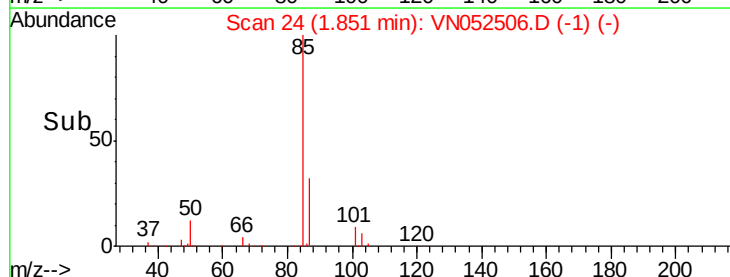
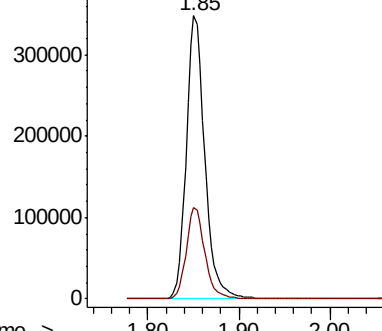
85 100

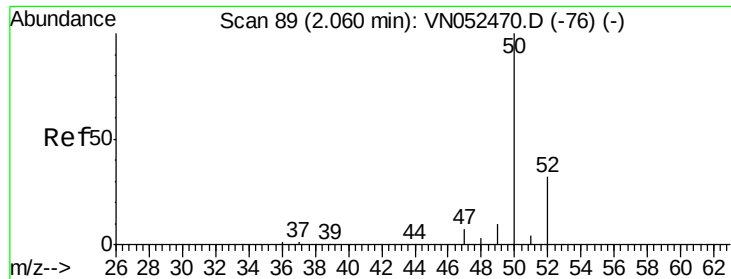
87 32.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.989 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 631694

Ion Ratio Lower Upper

50 100

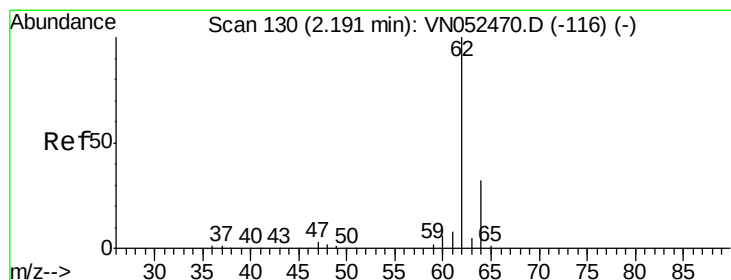
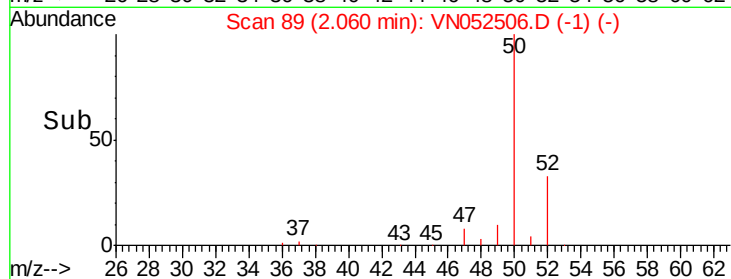
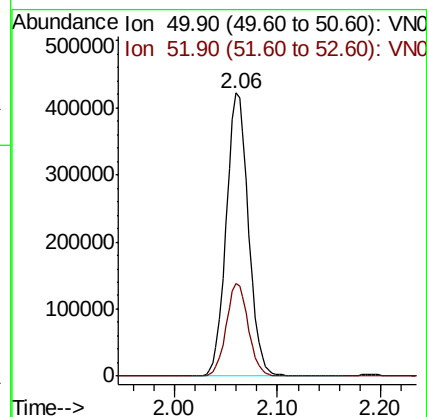
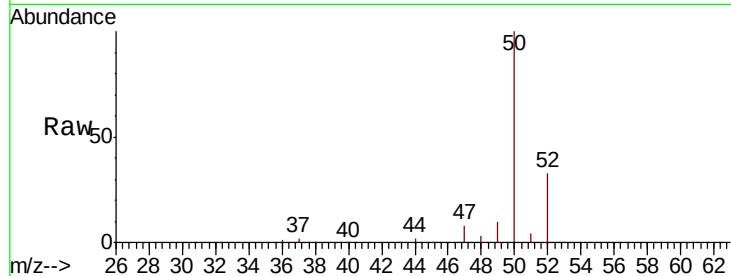
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.814 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052506.D

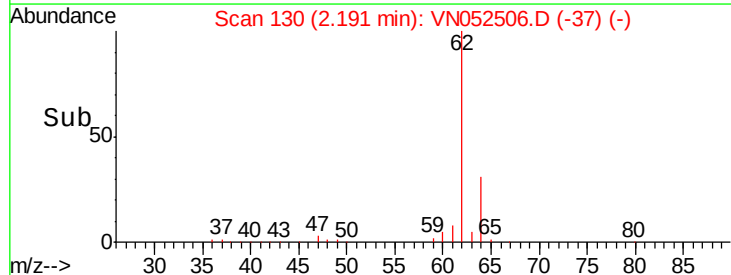
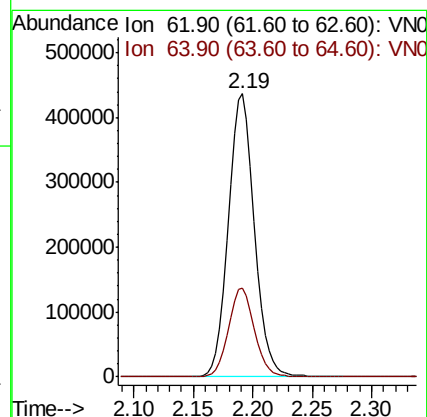
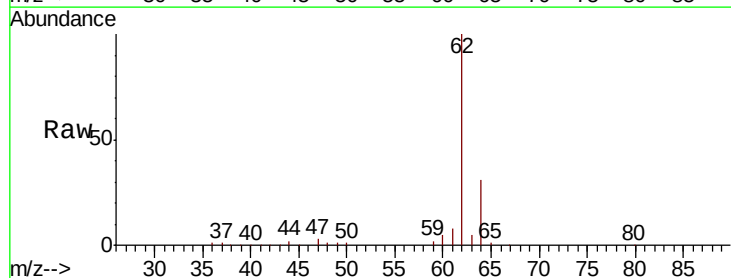
Acq: 28 Nov 2018 9:04

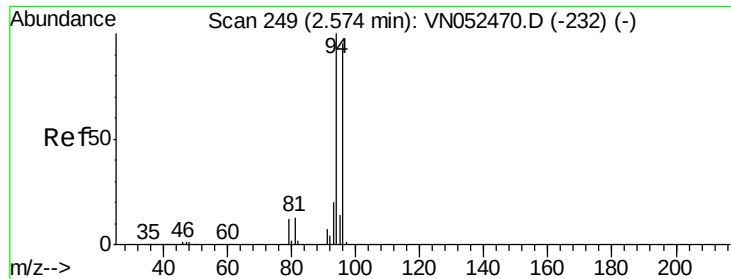
Tgt Ion: 62 Resp: 661072

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 43.535 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 400705

Ion Ratio Lower Upper

94 100

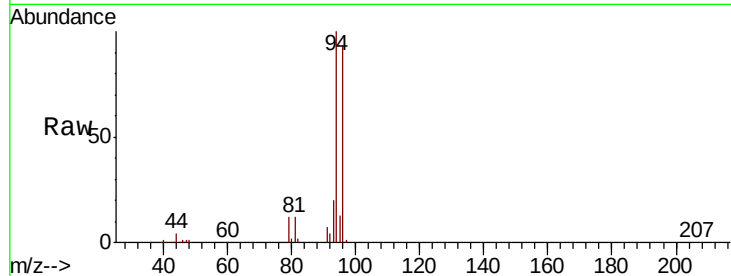
96 93.0 75.8 113.8

Manual Integrations

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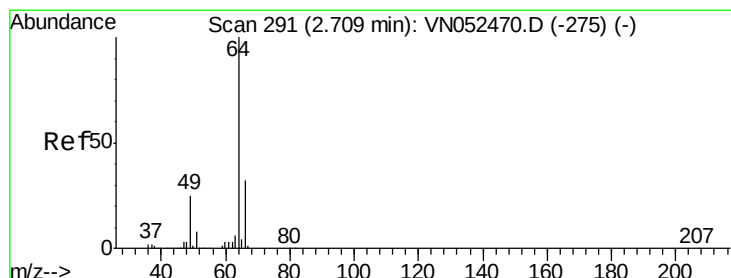
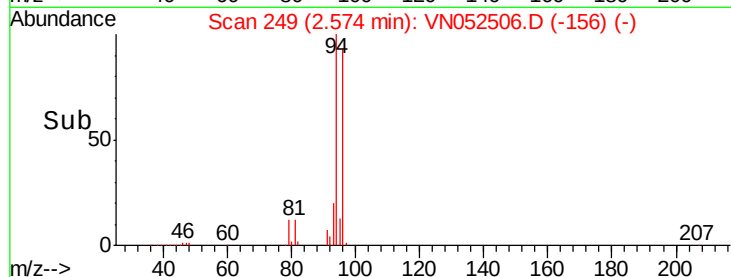
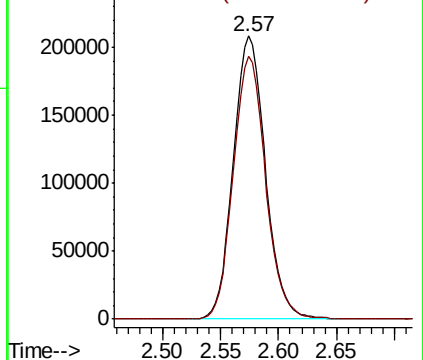
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11/29/2018 9:33:58 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.130 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052506.D

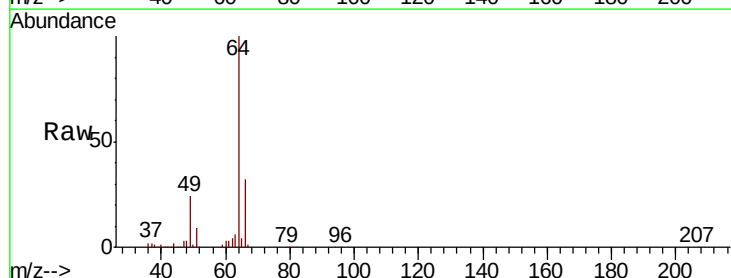
Acq: 28 Nov 2018 9:04

Tgt Ion: 64 Resp: 394318

Ion Ratio Lower Upper

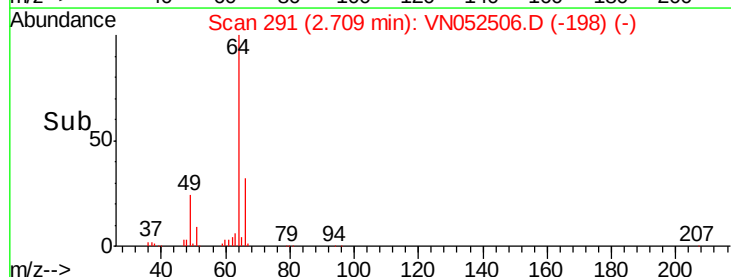
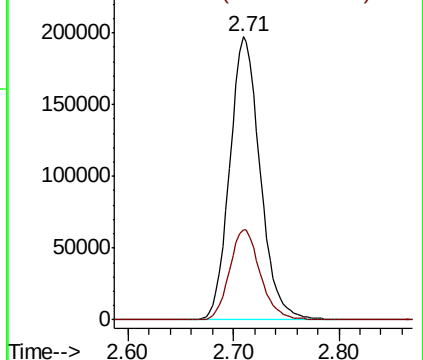
64 100

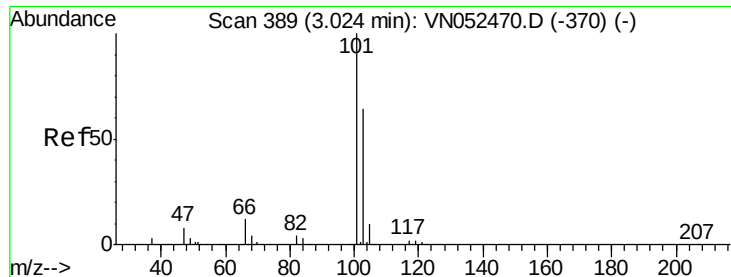
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

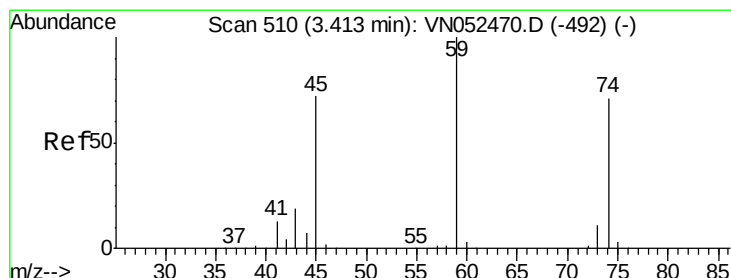
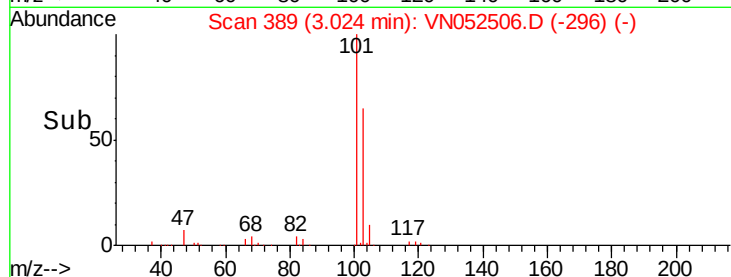
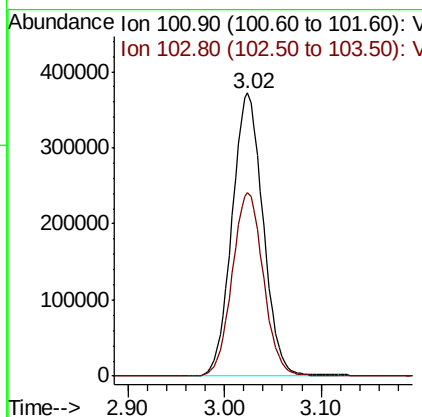
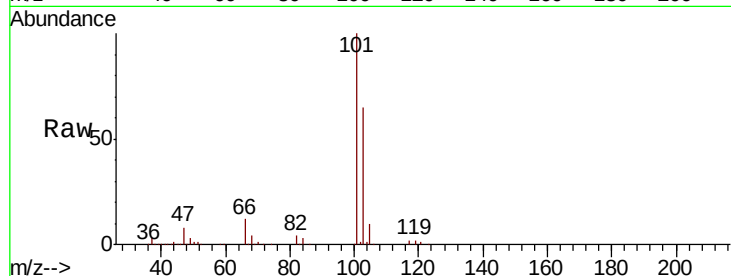
Trichlorofluoromethane
 Concen: 45.816 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
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 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

Manual Integrations
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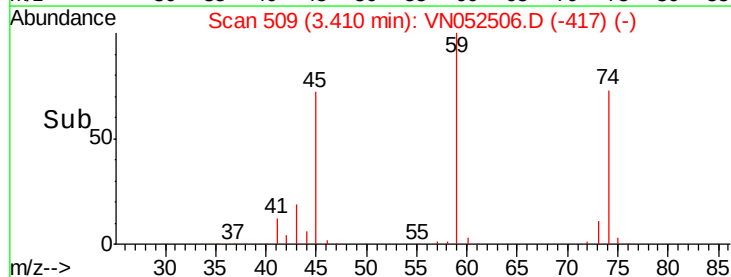
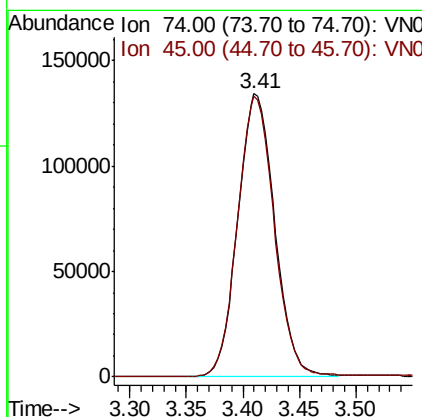
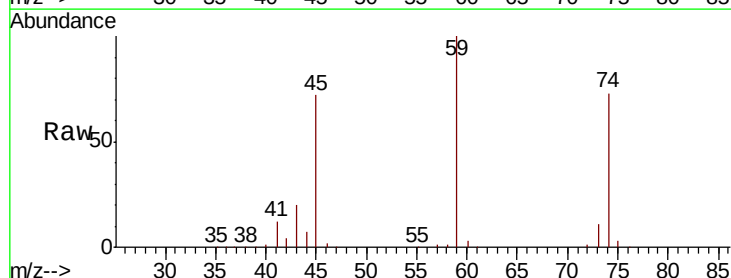
MMDadoda
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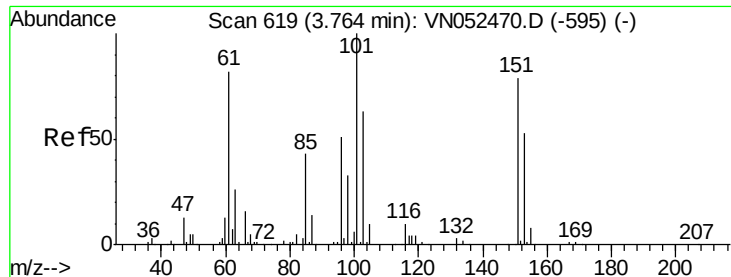


#8

Diethyl Ether
 Concen: 45.641 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.198 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

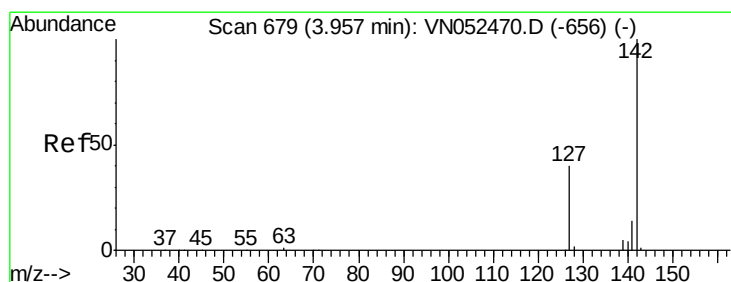
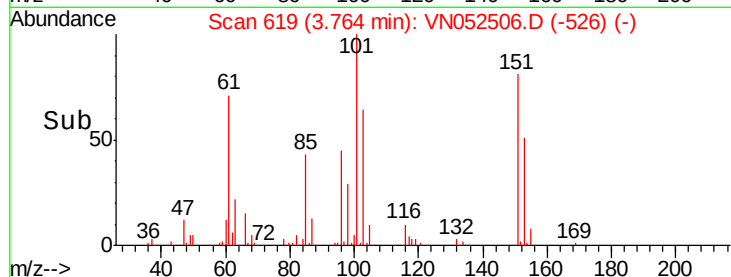
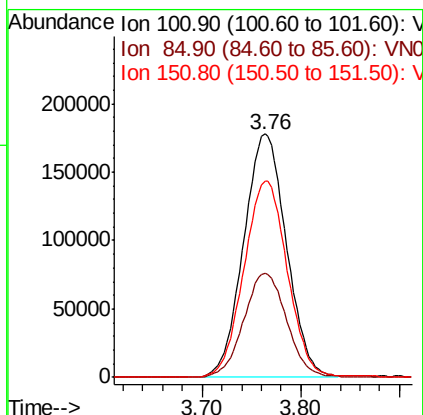
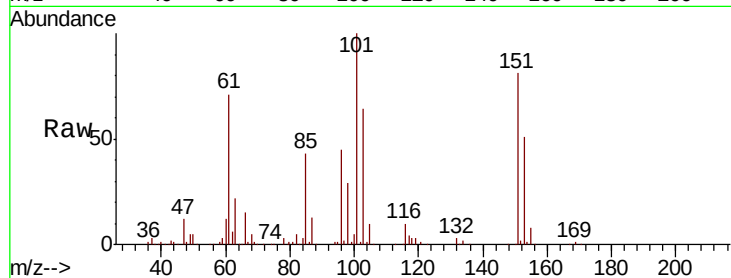
ClientSampleId :

VSTDCCC050

Tgt	Ion:101	Resp:	533652
Ion	Ratio	Lower	Upper
101	100		
85	43.0	34.2	51.4
151	82.0	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 48.737 ug/l

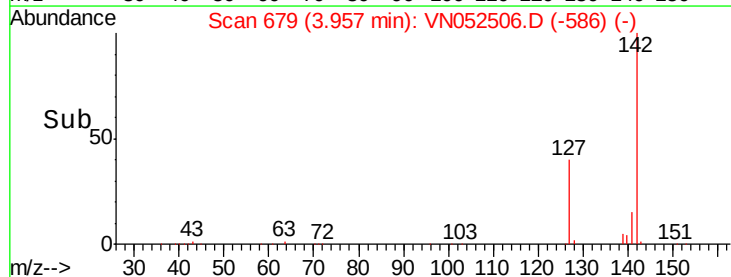
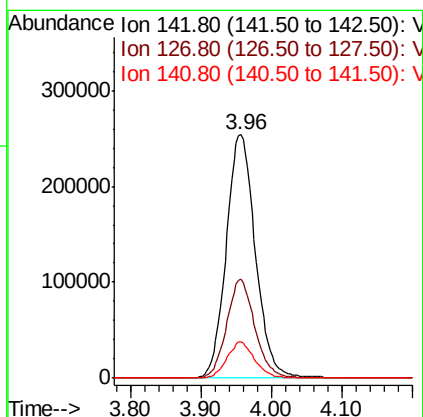
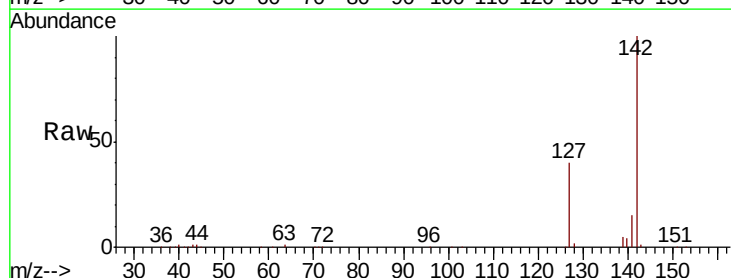
RT: 3.96 min Scan# 679

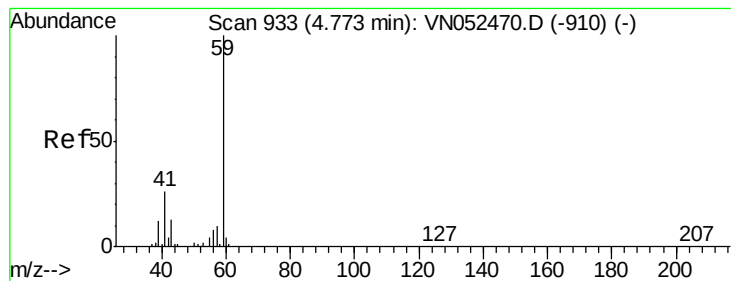
Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Tgt	Ion:142	Resp:	733940
Ion	Ratio	Lower	Upper
142	100		
127	39.2	31.8	47.6
141	14.0	11.4	17.0





#11

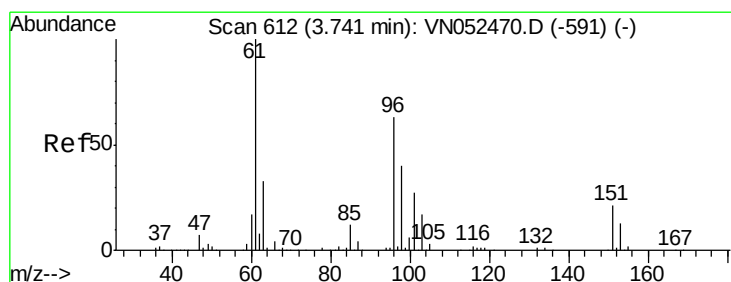
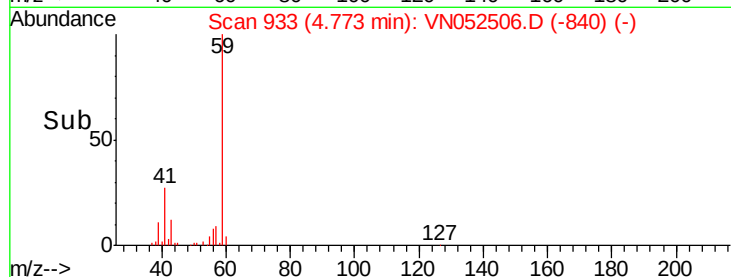
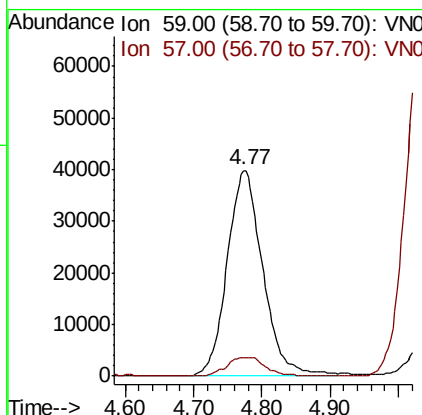
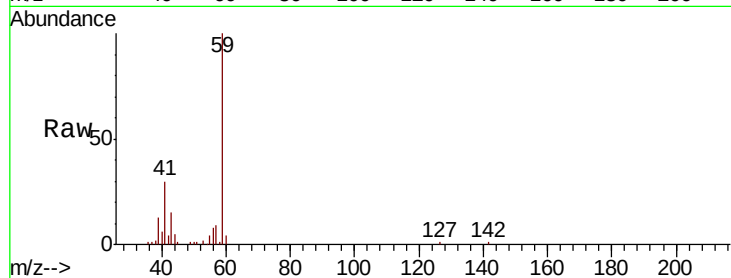
Tert butyl alcohol
 Concen: 228.745 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 59 Resp: 144869
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.9 11.9

Manual Integrations
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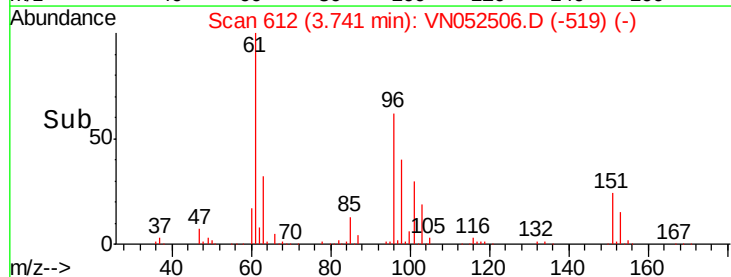
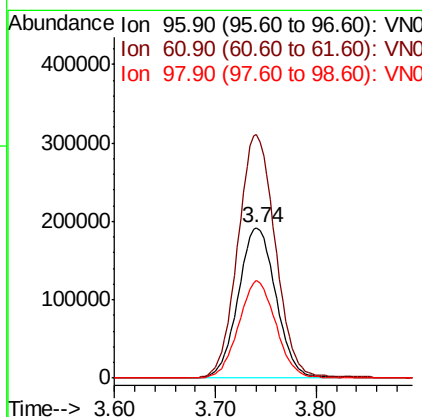
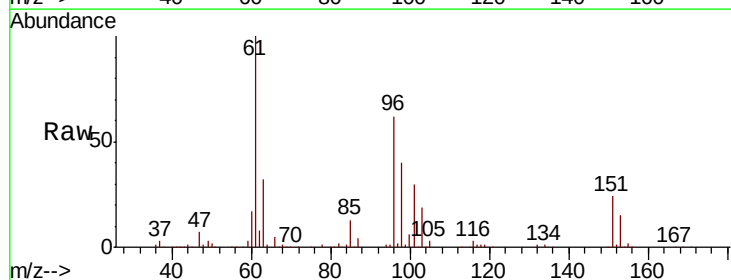
MMDadoda
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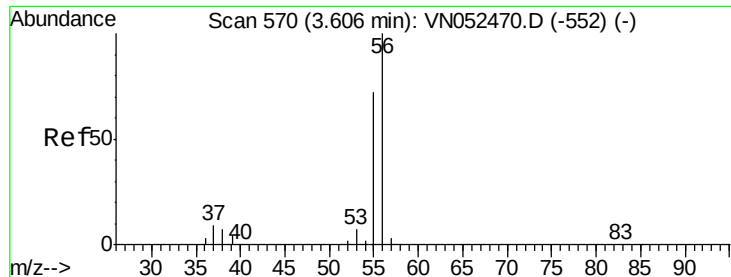


#12

1,1-Dichloroethene
 Concen: 45.530 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion: 96 Resp: 495530
 Ion Ratio Lower Upper
 96 100
 61 161.6 127.0 190.6
 98 64.5 50.3 75.5





#13

Acrolein

Concen: 193.327 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 205033

Ion Ratio Lower Upper

56 100

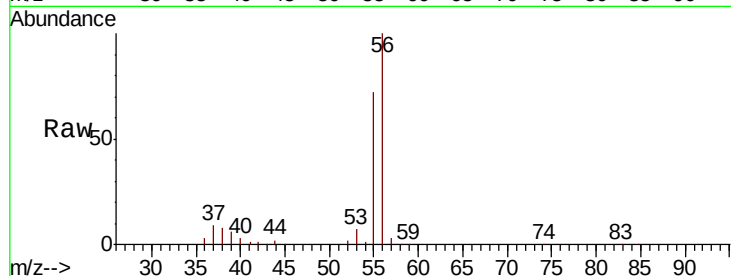
55 71.2 56.8 85.2

Manual Integrations

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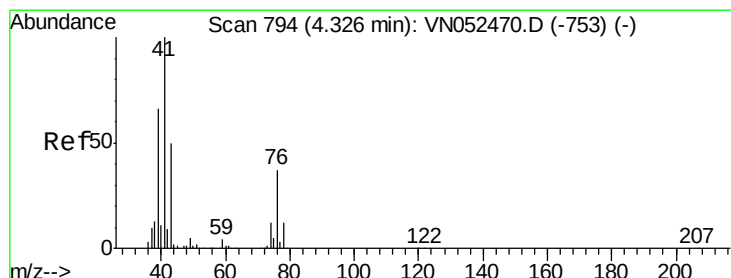
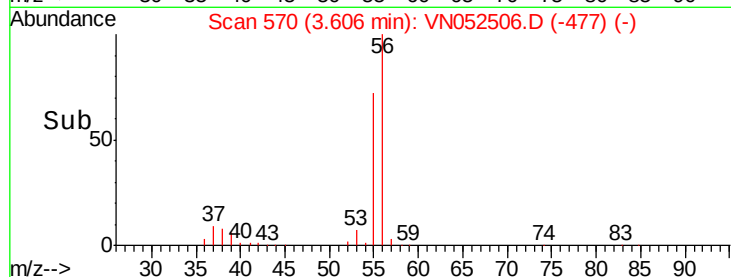
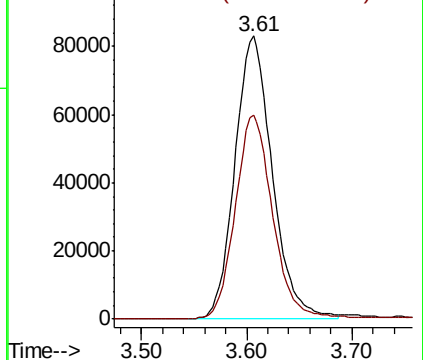
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.949 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

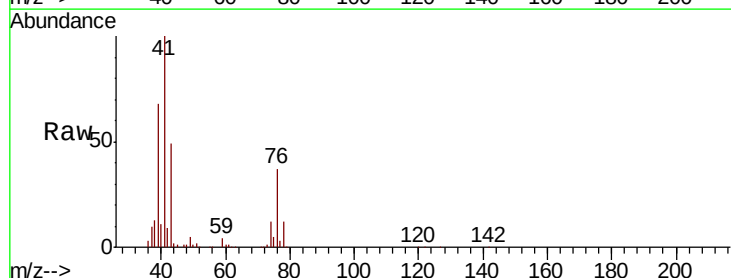
Tgt Ion: 41 Resp: 824383

Ion Ratio Lower Upper

41 100

39 68.1 50.6 76.0

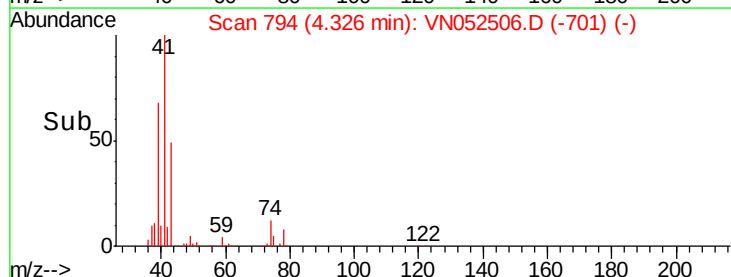
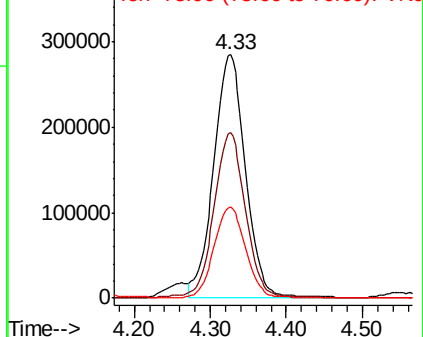
76 36.7 27.4 41.2

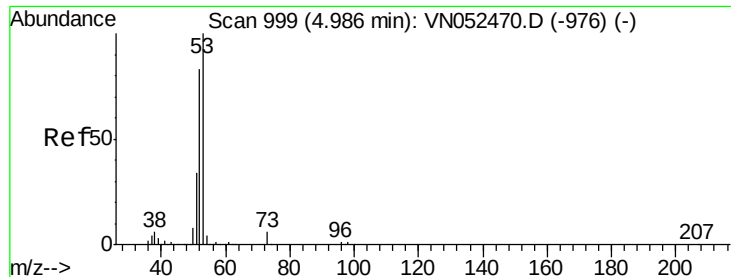


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 223.235 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

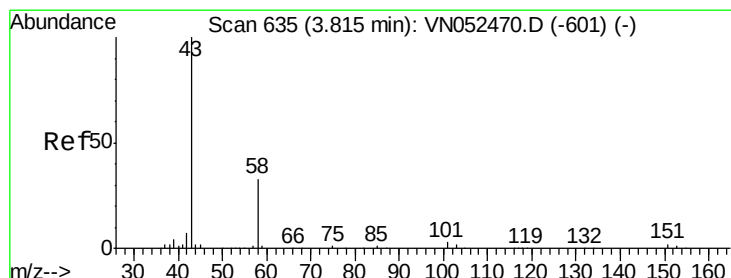
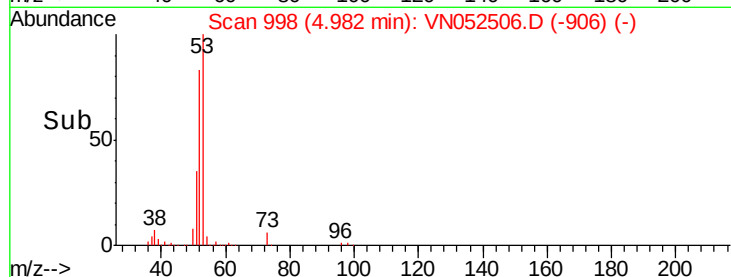
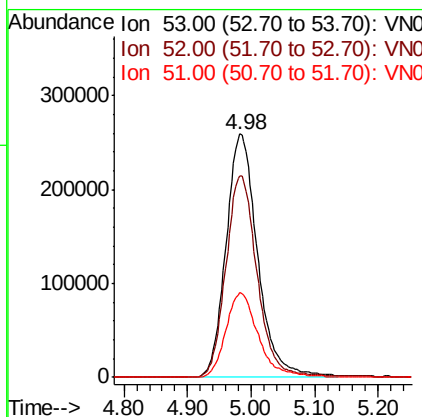
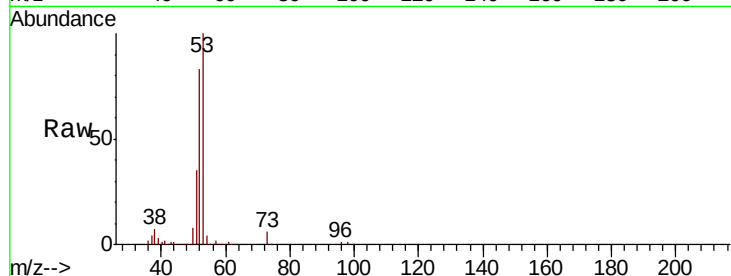
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	894951
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.0	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 249.507 ug/l

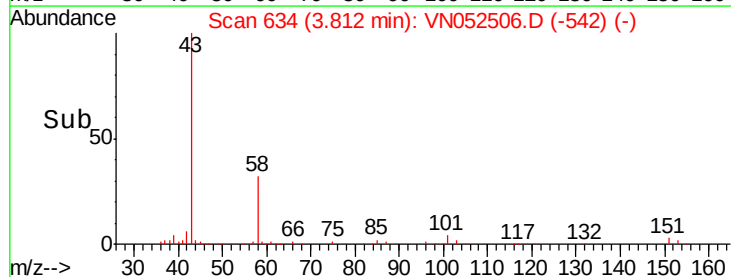
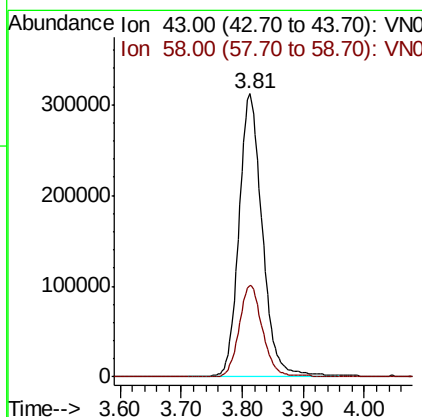
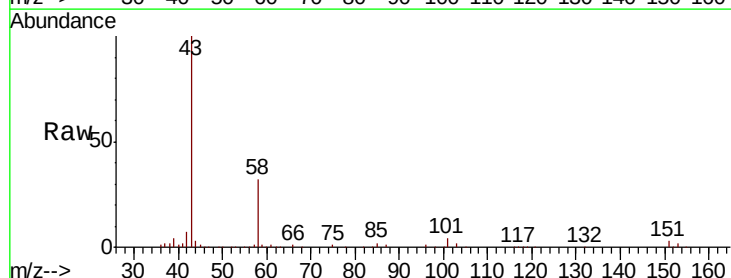
RT: 3.81 min Scan# 634

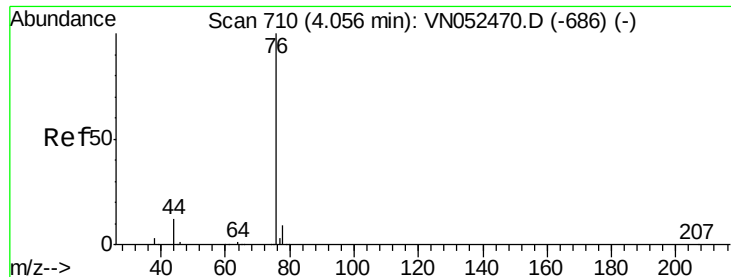
Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Tgt Ion:	43	Resp:	832533
Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.0	39.0





#17

Carbon Disulfide

Concen: 44.767 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1533273

Ion Ratio Lower Upper

76 100

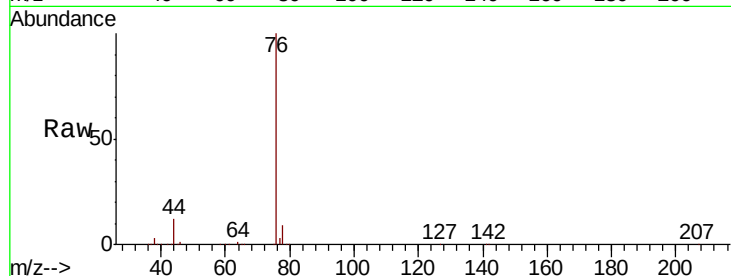
78 9.0 7.4 11.0

Manual Integrations

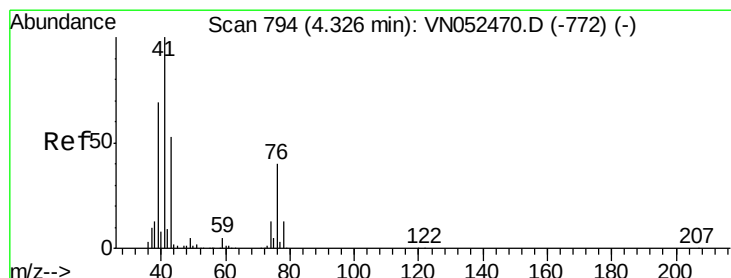
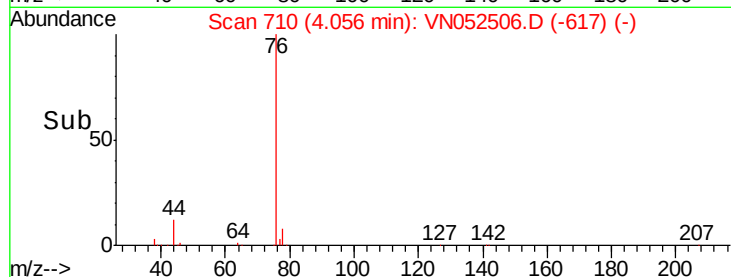
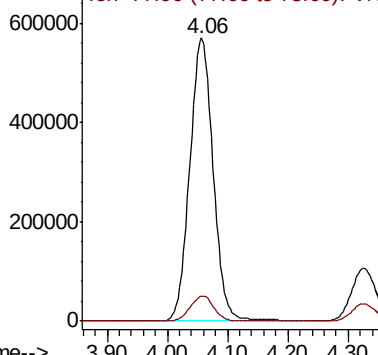
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 43.833 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052506.D

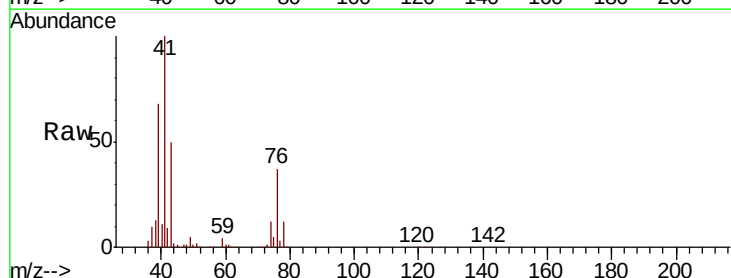
Acq: 28 Nov 2018 9:04

Tgt Ion: 43 Resp: 419537

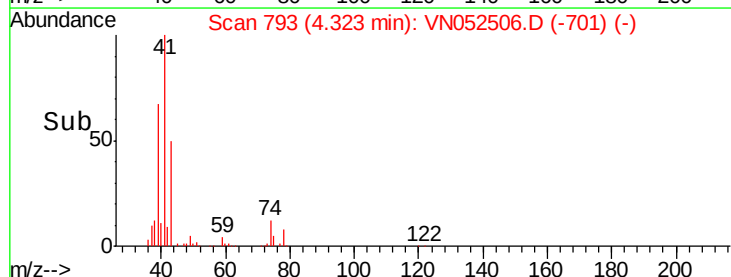
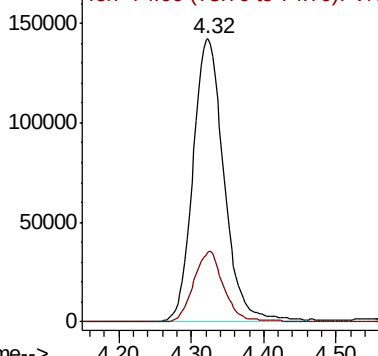
Ion Ratio Lower Upper

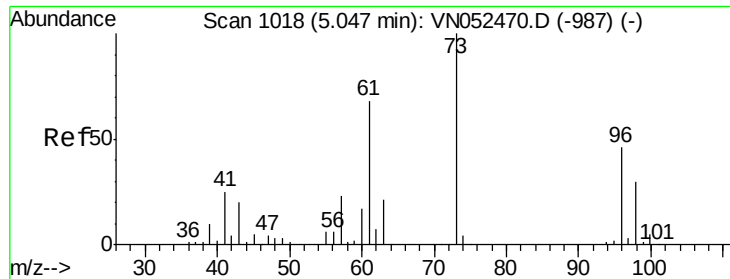
43 100

74 24.5 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





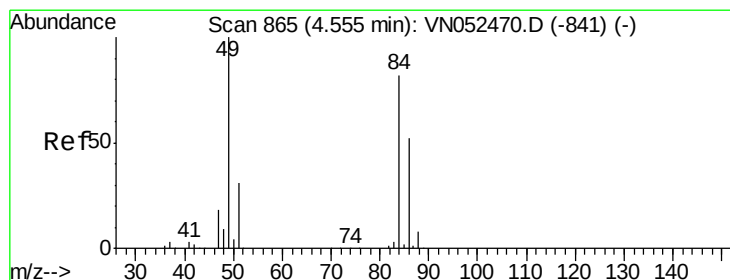
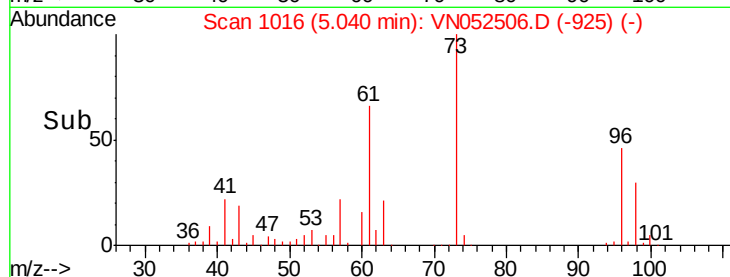
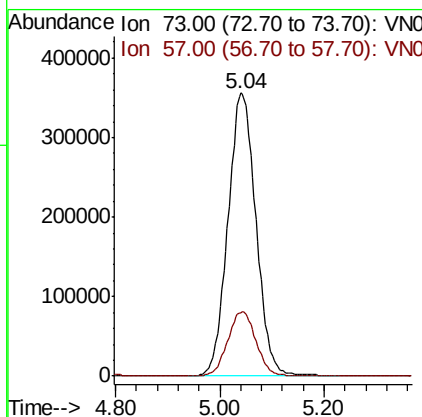
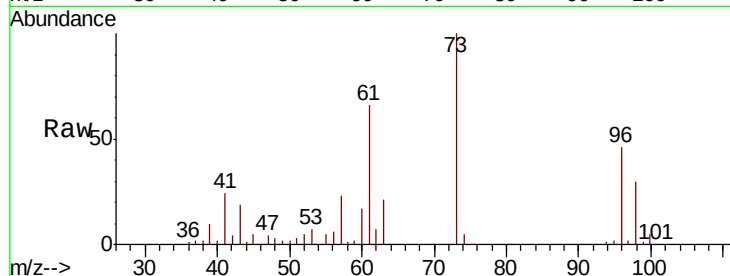
#19
Methyl tert-butyl Ether
Concen: 45.994 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1331857
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

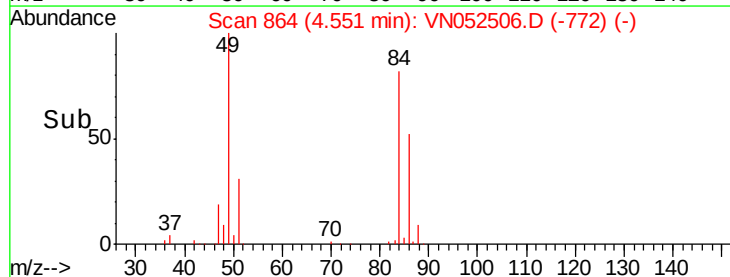
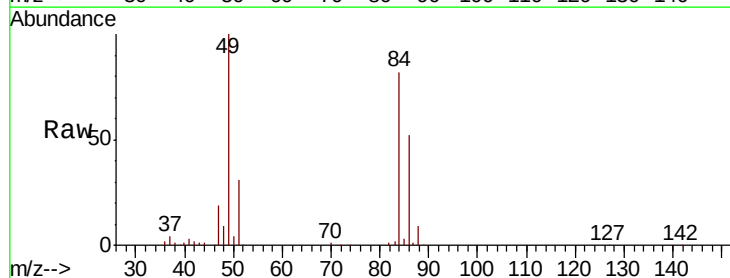
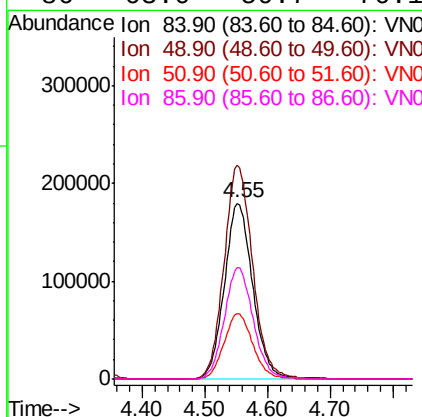
Manual Integrations
APPROVED

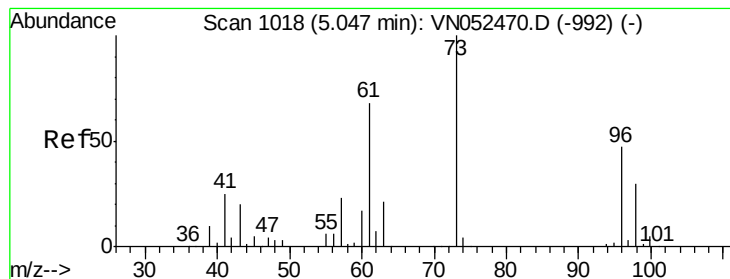
MMDadoda
11/29/2018 9:33:58 AM



#20
Methylene Chloride
Concen: 43.152 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion: 84 Resp: 563451
Ion Ratio Lower Upper
84 100
49 121.3 98.0 147.0
51 37.2 30.1 45.1
86 63.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 46.461 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 540054

Ion Ratio Lower Upper

96 100

61 140.9 117.0 175.4

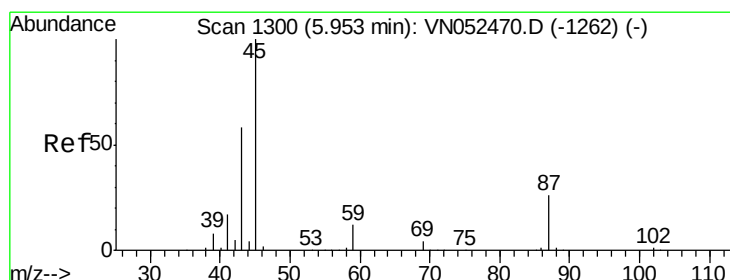
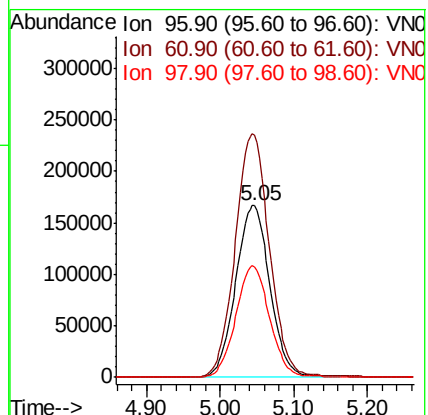
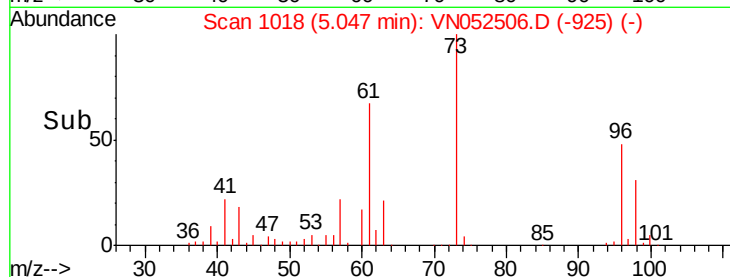
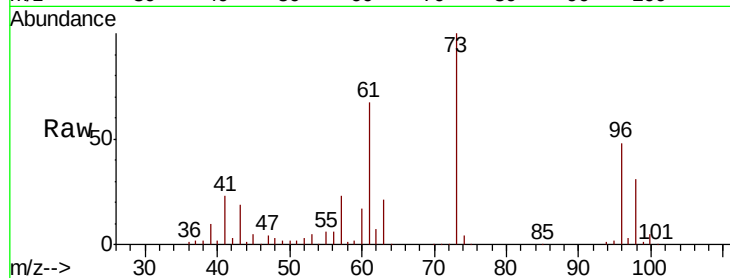
98 64.3 51.8 77.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 46.083 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Tgt Ion: 45 Resp: 1815750

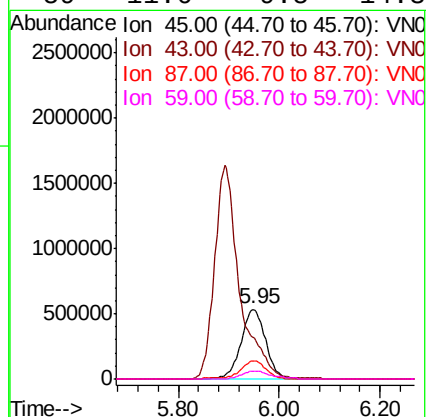
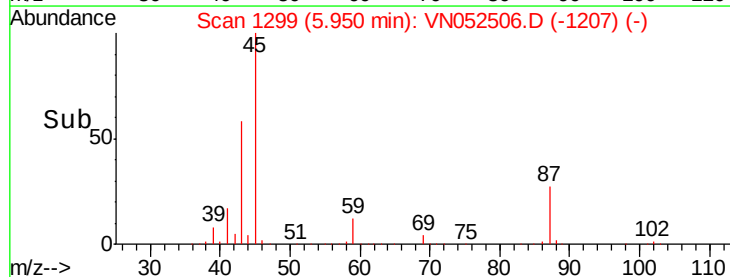
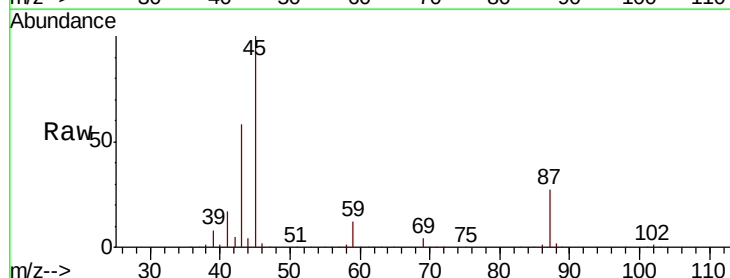
Ion Ratio Lower Upper

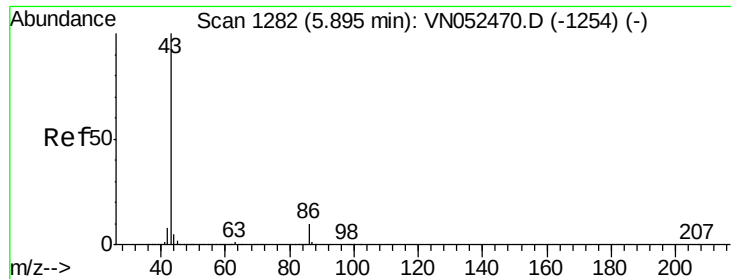
45 100

43 57.8 46.1 69.1

87 26.5 21.3 31.9

59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 230.622 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 5659789

Ion Ratio Lower Upper

43 100

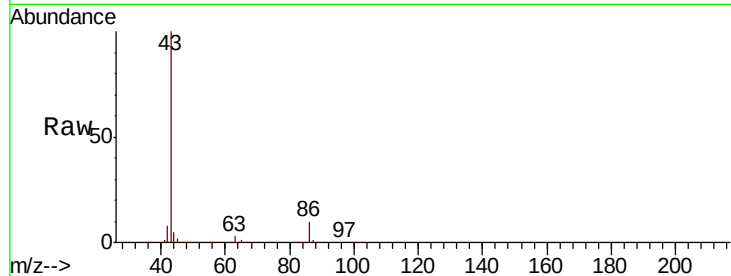
86 10.1 7.8 11.8

Manual Integrations

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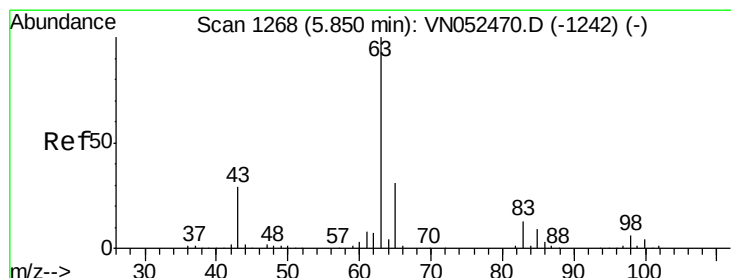
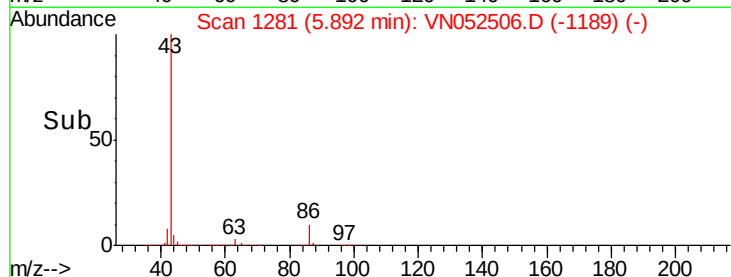
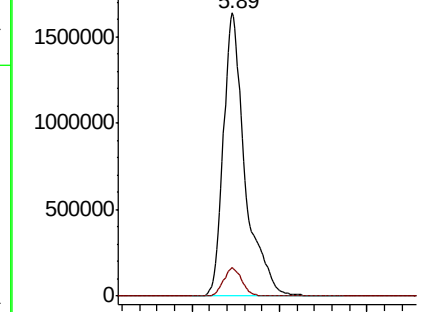
MMDadoda

11/29/2018 9:33:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)



#24

1,1-Dichloroethane

Concen: 45.633 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

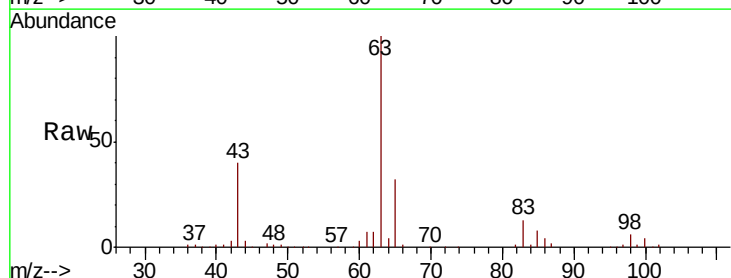
Tgt Ion: 63 Resp: 1026614

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

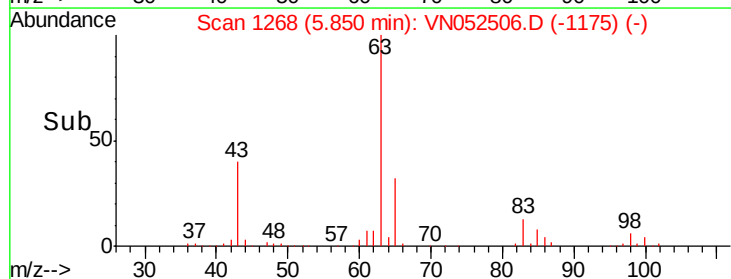
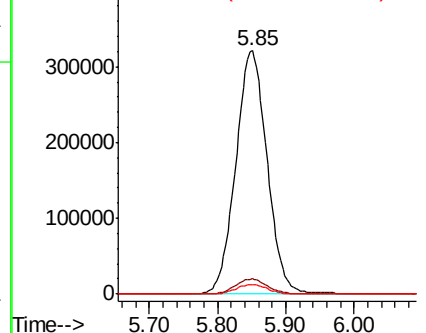
100 4.0 2.0 5.8

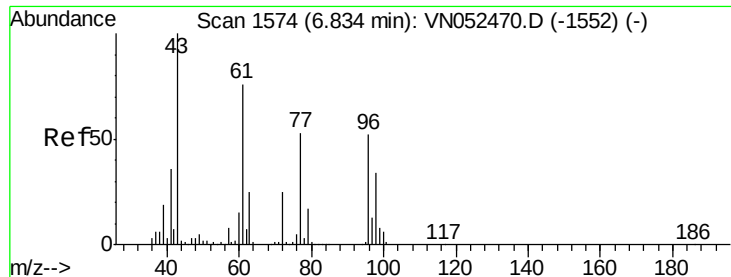


Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)





#25

2-Butanone

Concen: 236.940 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1120593

Ion Ratio Lower Upper

43 100

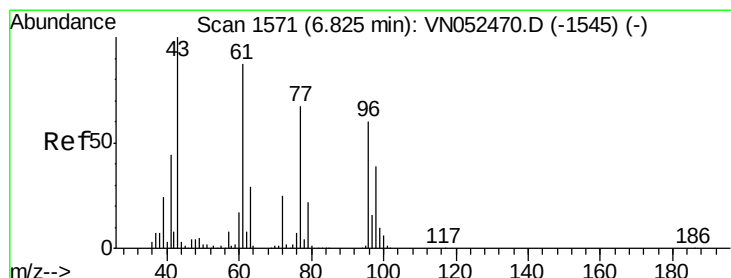
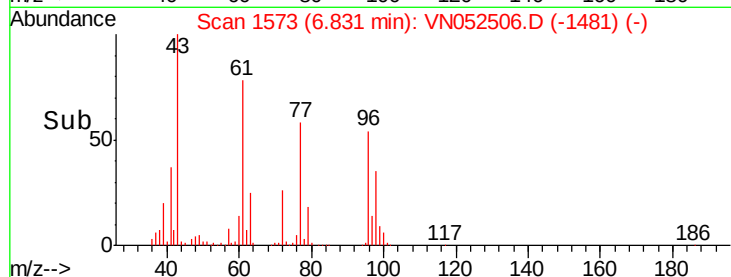
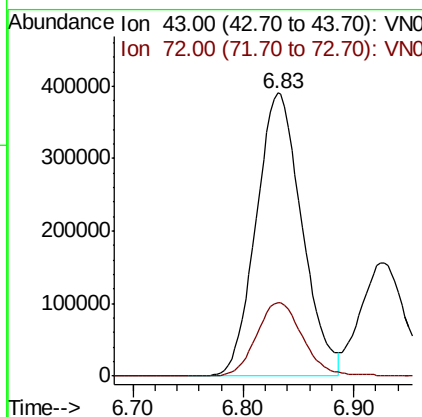
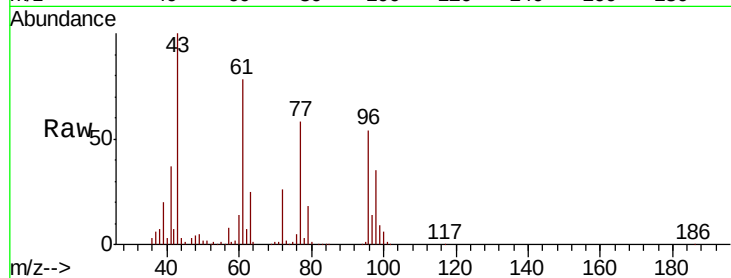
72 26.1 20.1 30.1

Manual Integrations

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11/29/2018 9:33:58 AM



#26

2,2-Dichloropropane

Concen: 47.891 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052506.D

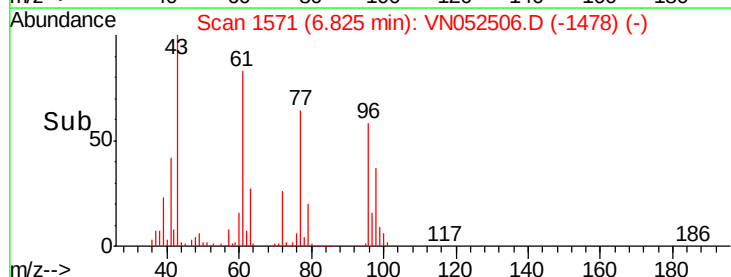
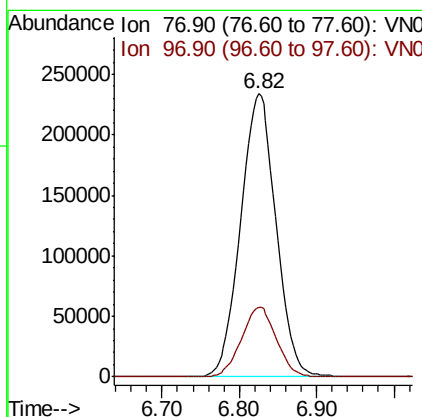
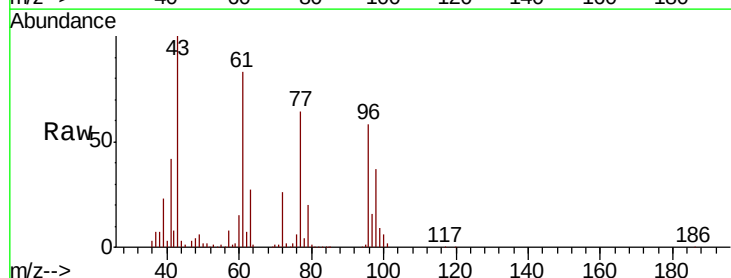
Acq: 28 Nov 2018 9:04

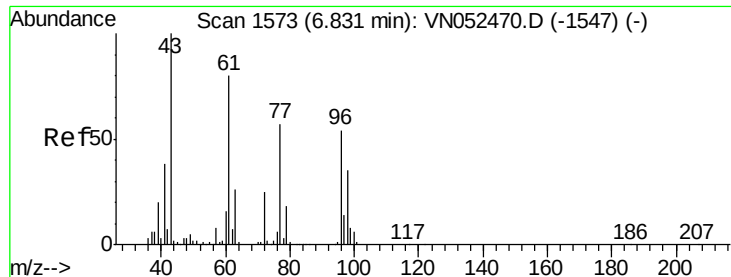
Tgt Ion: 77 Resp: 745736

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 45.710 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

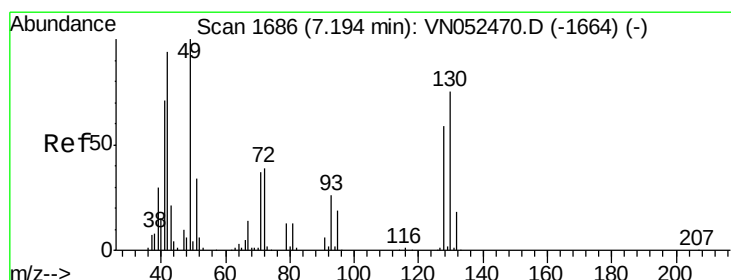
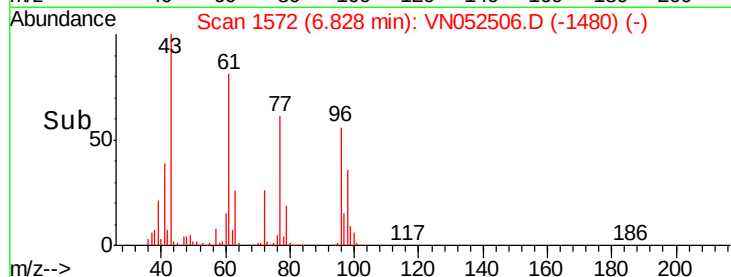
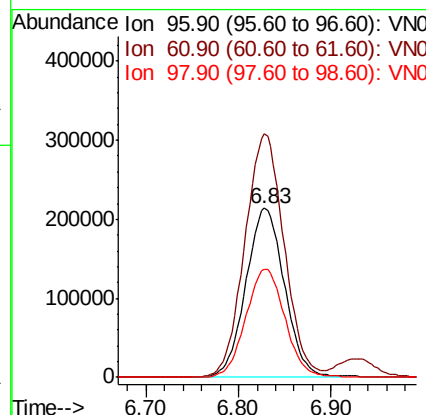
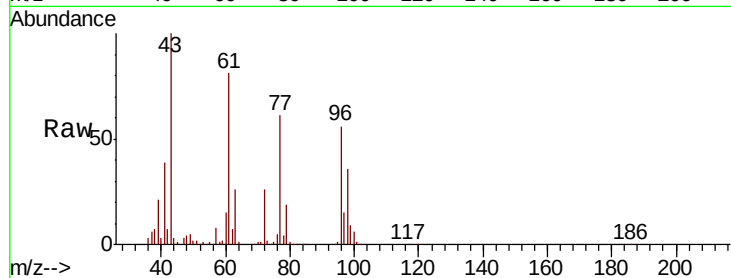
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	618932
Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	291.0
98	65.2	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 45.647 ug/l

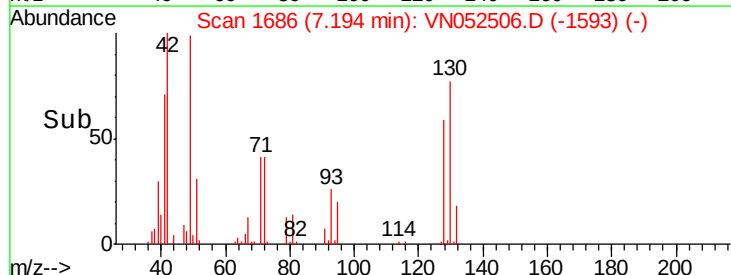
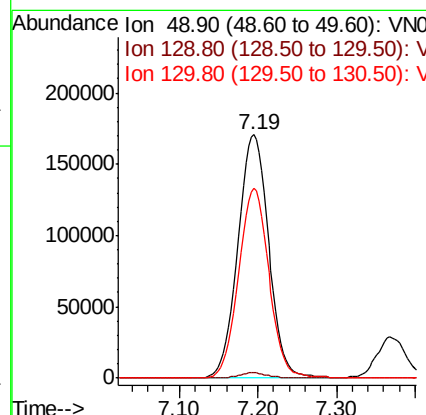
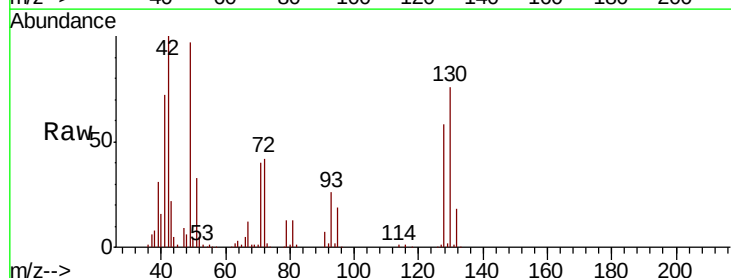
RT: 7.19 min Scan# 1686

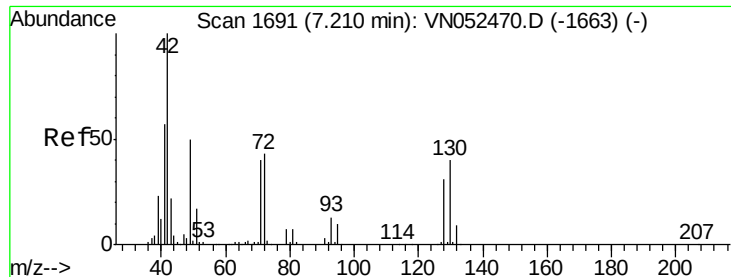
Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Tgt Ion:	49	Resp:	469044
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	77.1	60.2	90.2





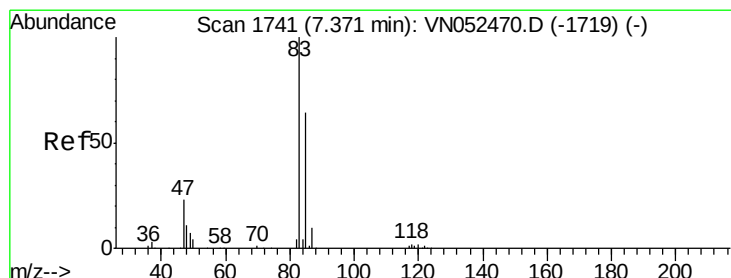
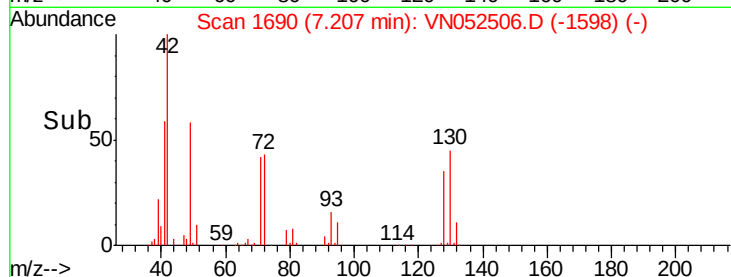
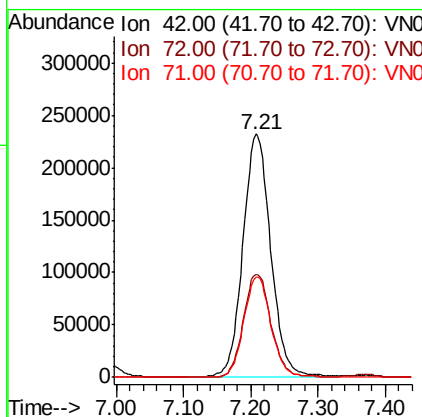
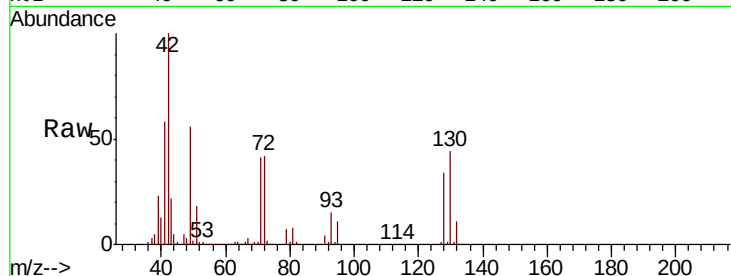
#29
Tetrahydrofuran
Concen: 218.681 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 667078
Ion Ratio Lower Upper
42 100
72 42.2 33.3 49.9
71 40.6 32.0 48.0

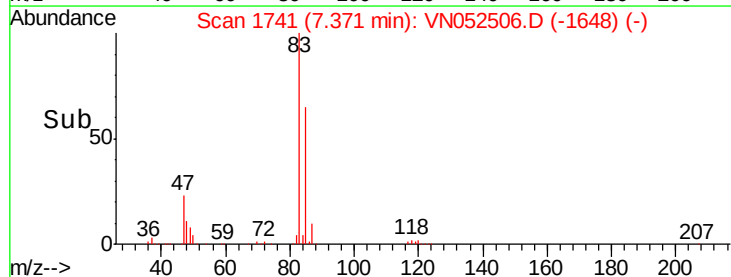
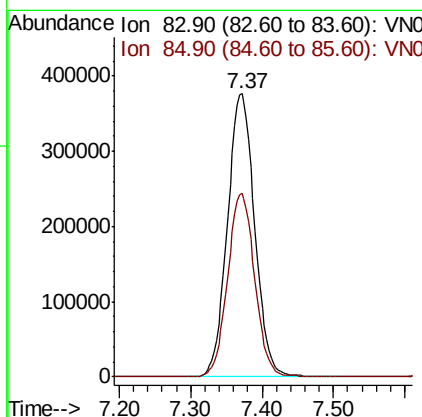
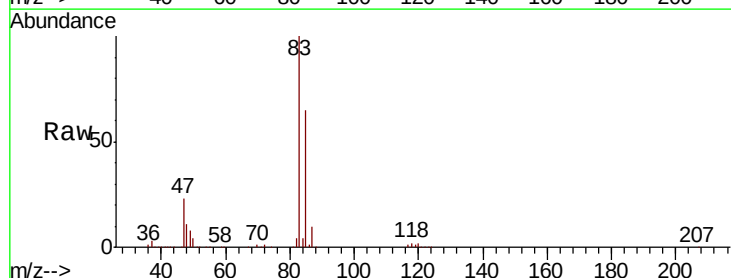
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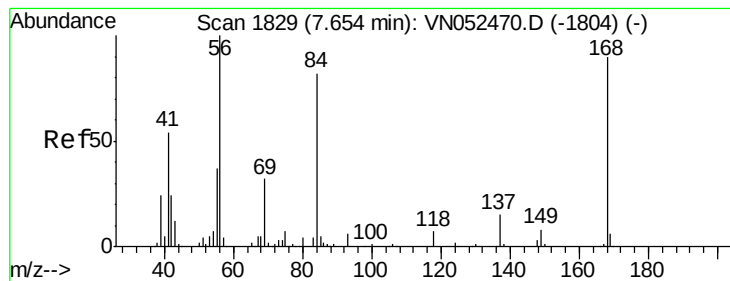
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#30
Chloroform
Concen: 44.637 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion: 83 Resp: 1001879
Ion Ratio Lower Upper
83 100
85 65.0 51.0 76.4





#31

Cyclohexane

Concen: 45.689 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 995539
Ion Ratio Lower Upper

56 100

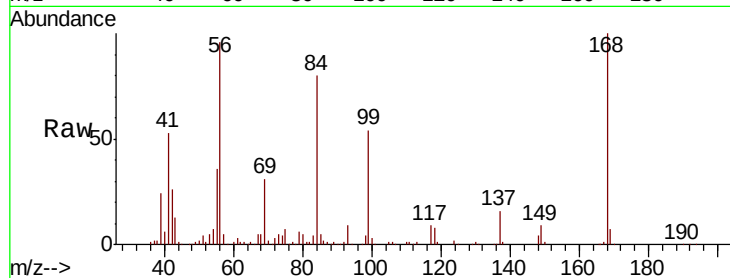
69 32.7 25.8 38.6

84 82.3 65.3 97.9

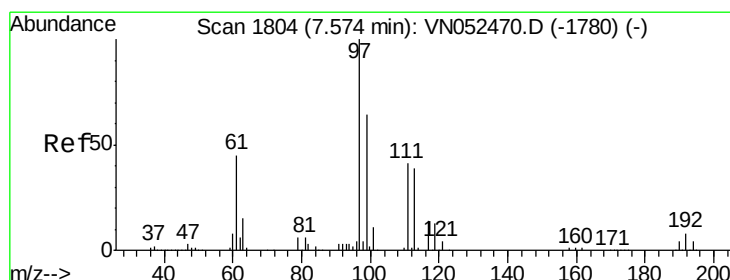
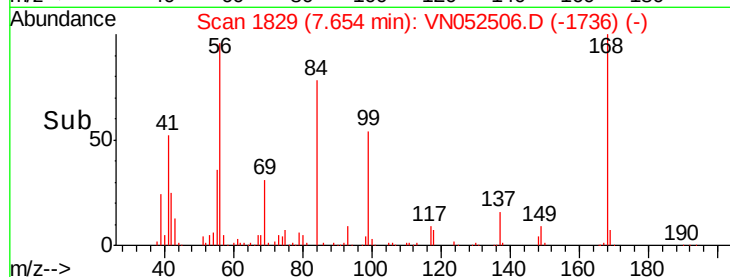
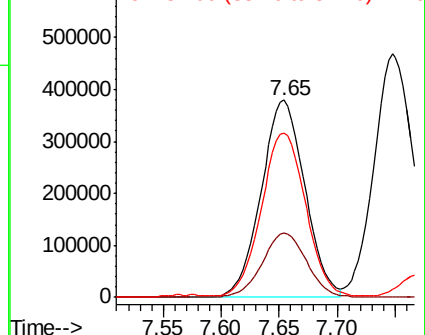
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 46.886 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052506.D

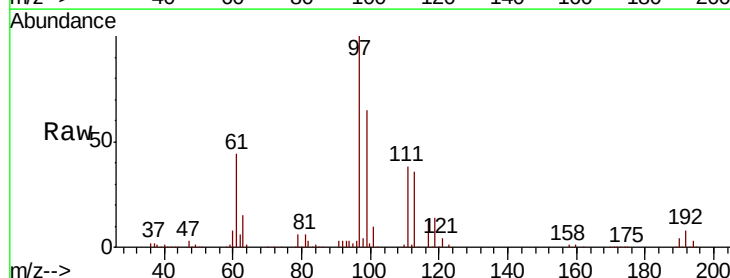
Acq: 28 Nov 2018 9:04

Tgt Ion: 97 Resp: 833795
Ion Ratio Lower Upper

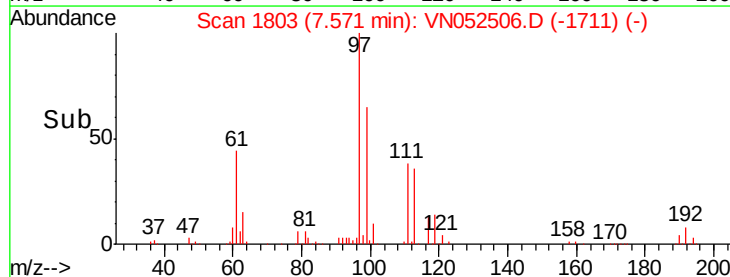
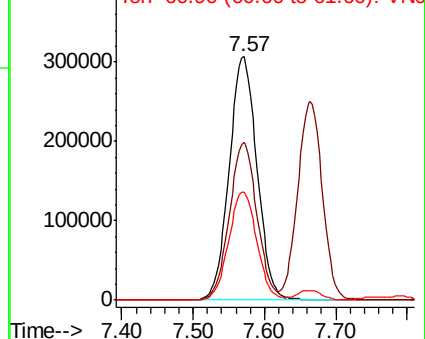
97 100

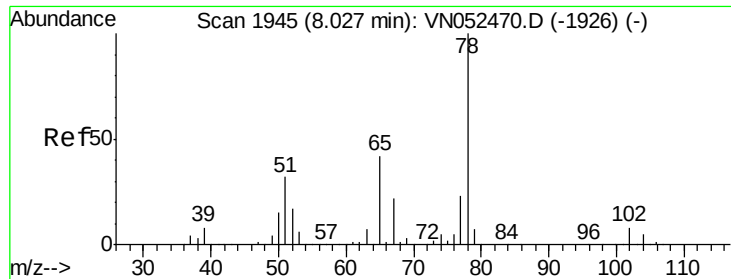
99 64.0 51.7 77.5

61 44.8 36.8 55.2



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





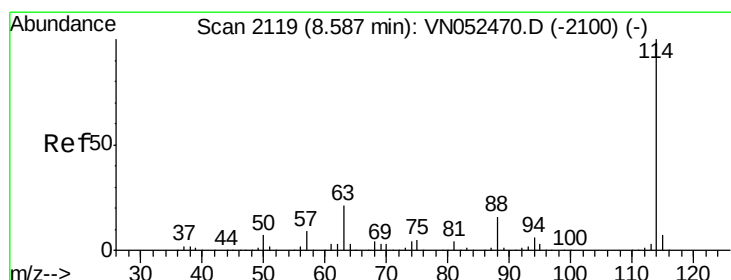
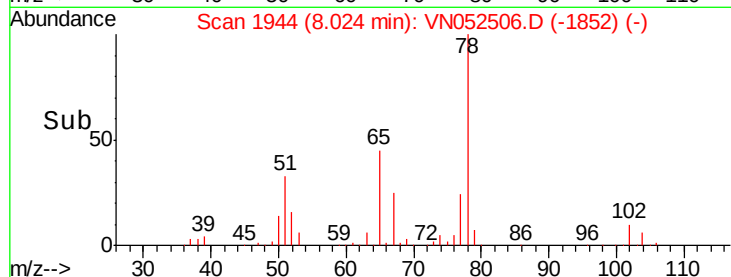
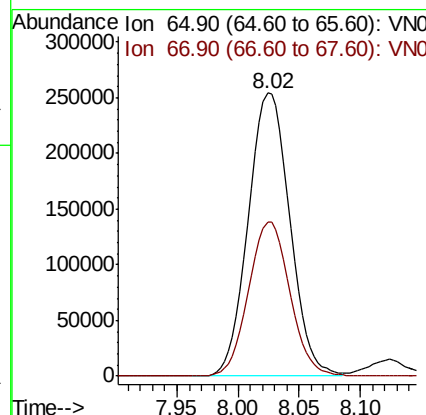
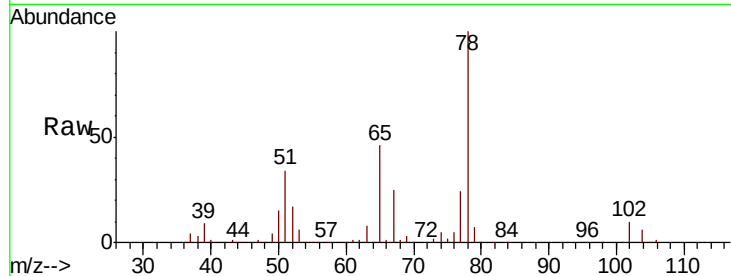
#33
 1,2-Dichloroethane-d4
 Concen: 46.886 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 601119
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.8

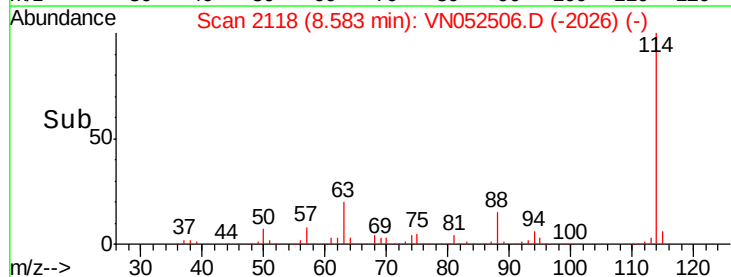
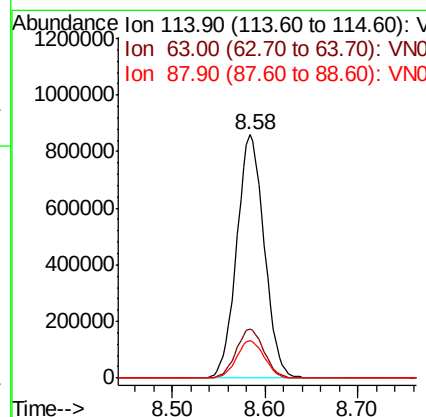
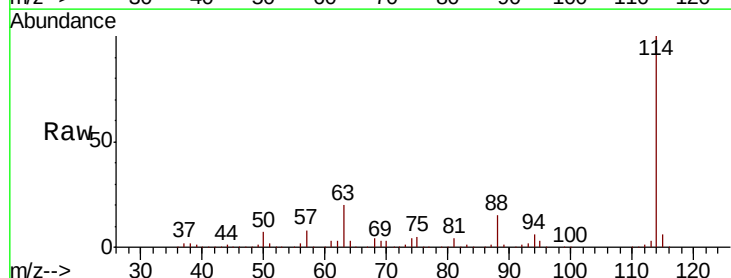
Manual Integrations
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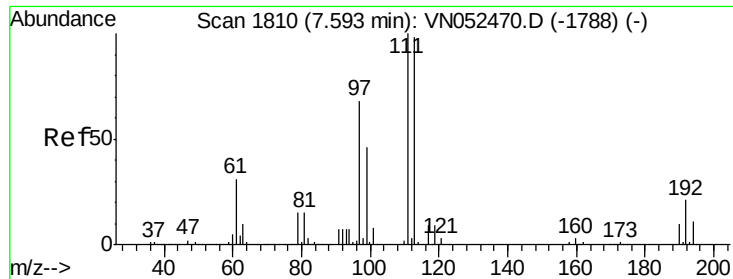
MMDadoda
 11/29/2018 9:33:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion: 114 Resp: 1767433
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.3 0.0 31.6





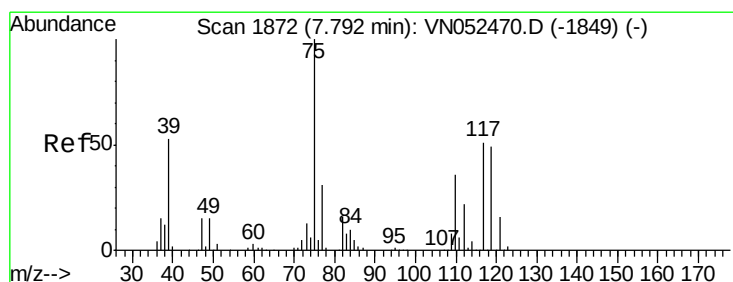
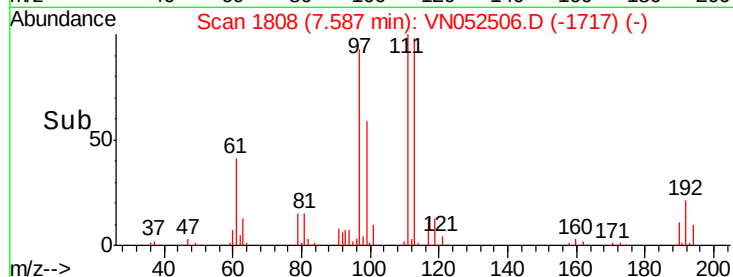
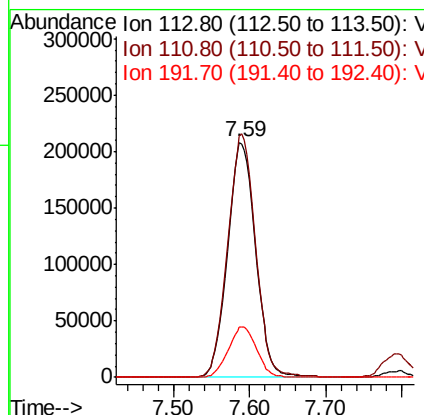
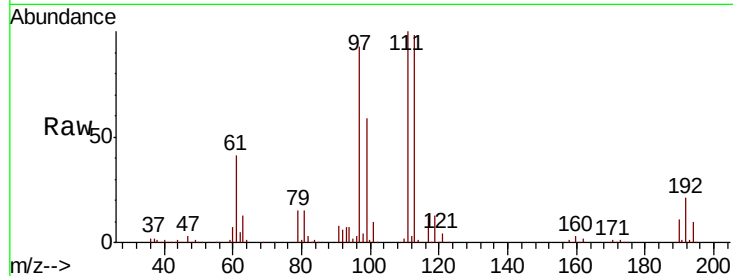
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	534632		
111	102.9	82.0	123.0	
192	21.6	17.0	25.6	

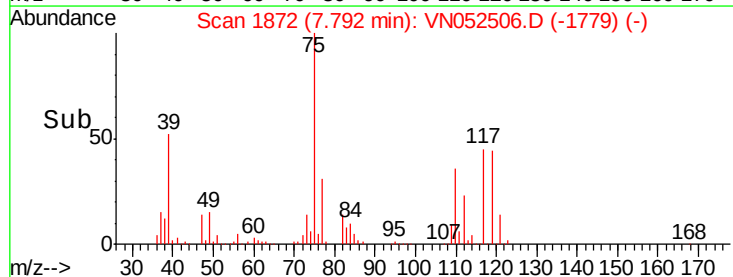
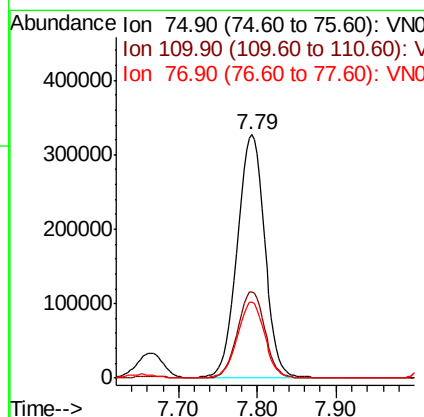
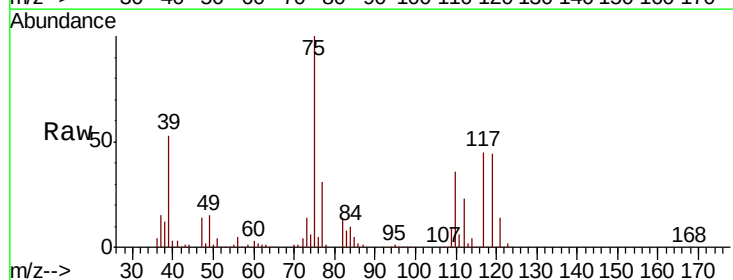
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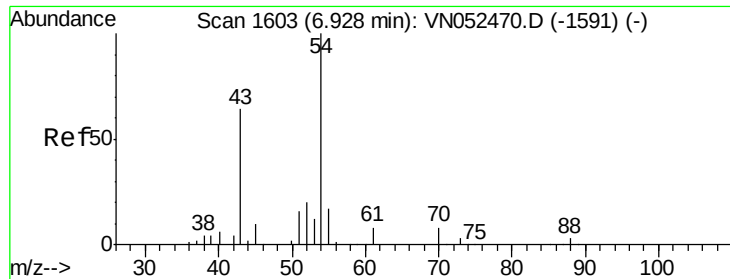
MMDadoda
 11/29/2018 9:33:58 AM



#36
 1,1-Dichloropropene
 Concen: 47.859 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	798789		
110	35.4	17.5	52.6	
77	31.1	24.5	36.7	





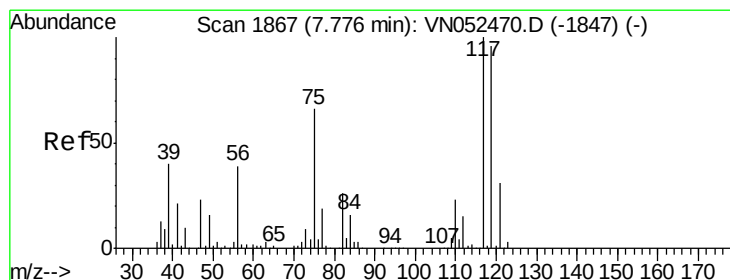
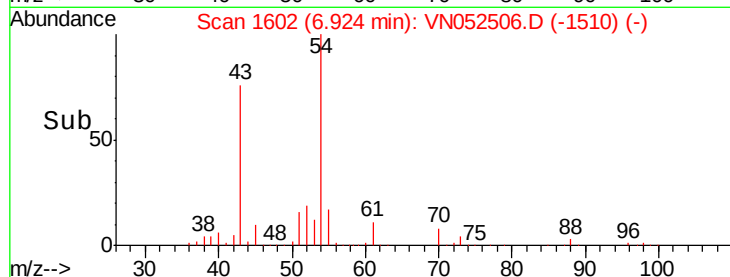
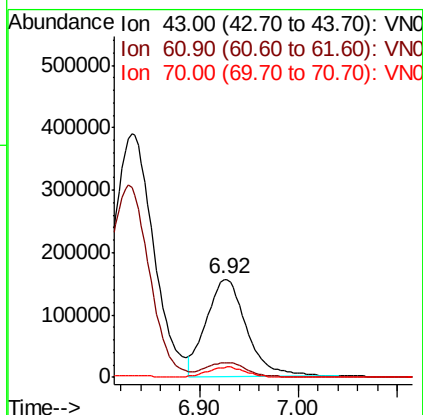
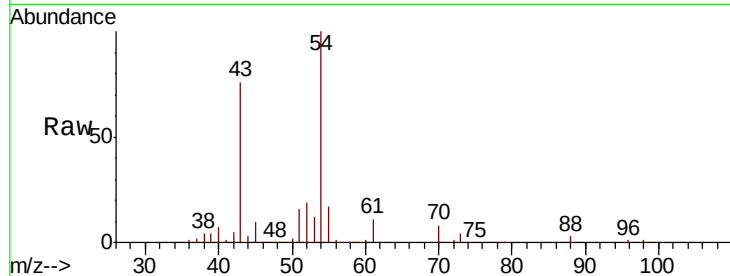
#37
Ethyl Acetate
Concen: 43.556 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.8
70	10.0	7.8	11.8

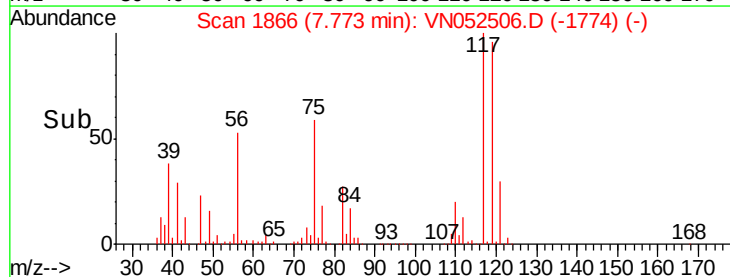
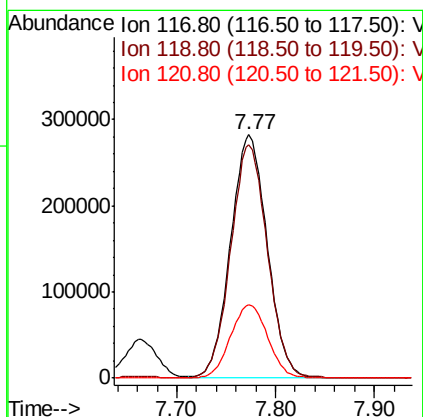
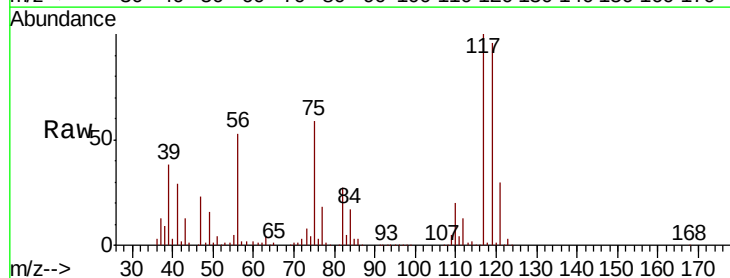
Manual Integrations
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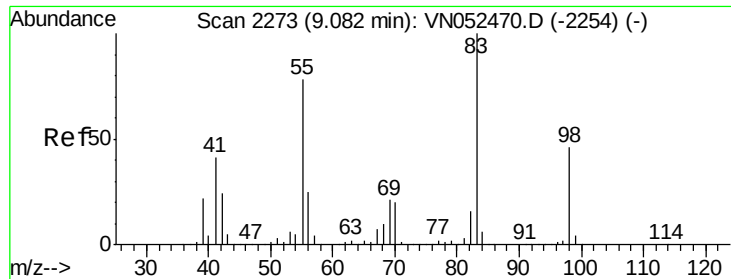
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#38
Carbon Tetrachloride
Concen: 47.800 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.2	24.9	37.3





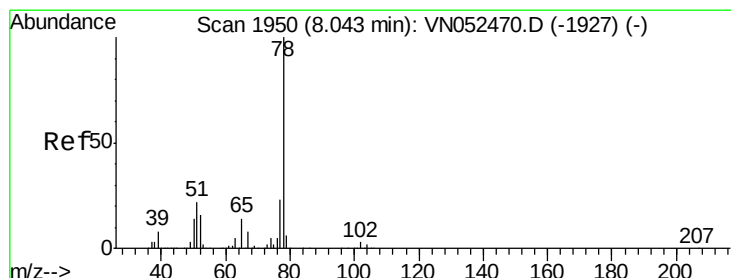
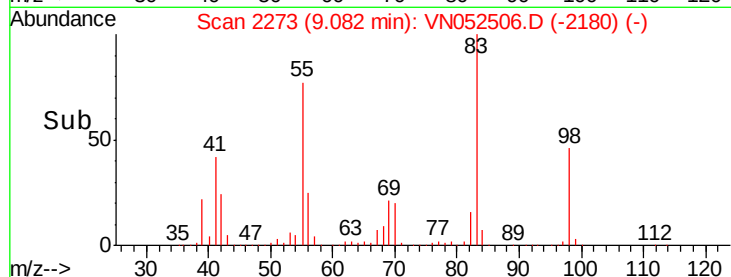
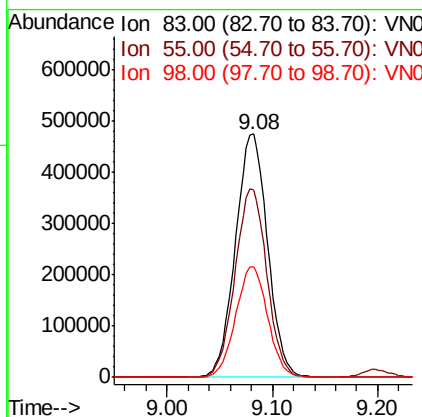
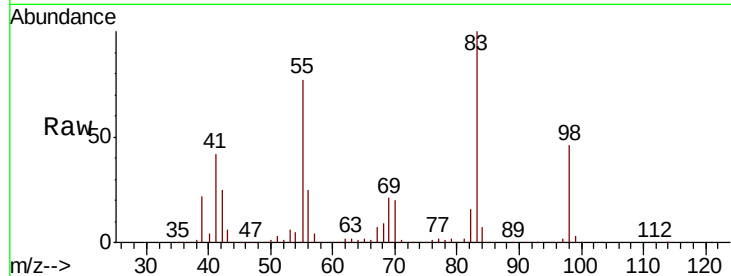
#39
Methylcyclohexane
Concen: 49.442 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 1003011
Ion Ratio Lower Upper
83 100
55 77.1 62.2 93.2
98 45.6 36.4 54.6

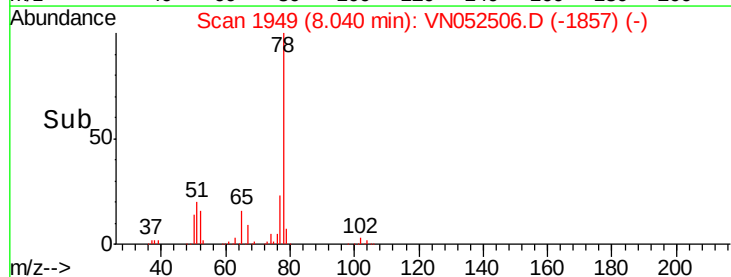
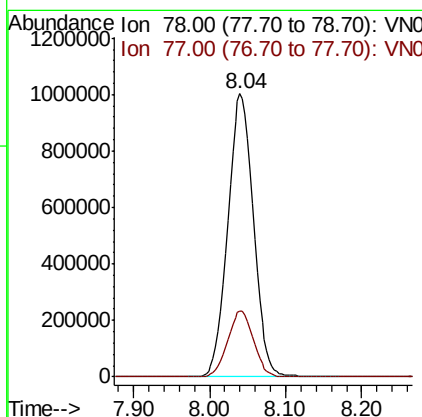
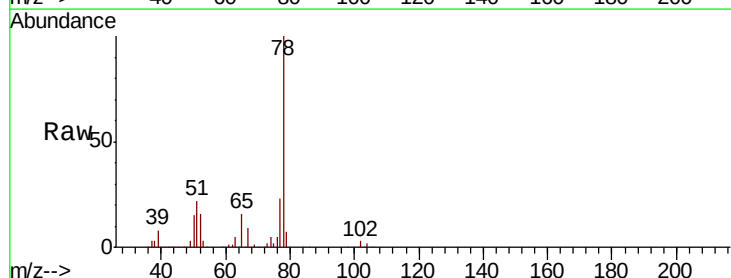
Manual Integrations
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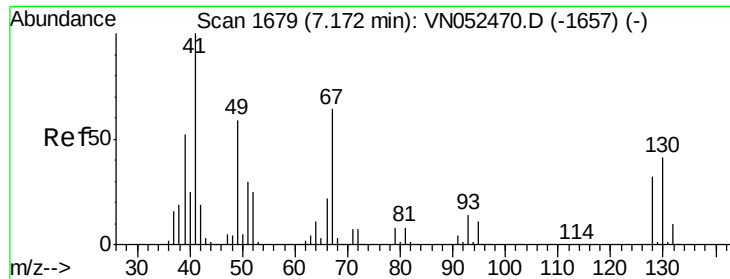
MMDadoda
11/29/2018 9:33:58 AM



#40
Benzene
Concen: 47.383 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion: 78 Resp: 2356831
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2





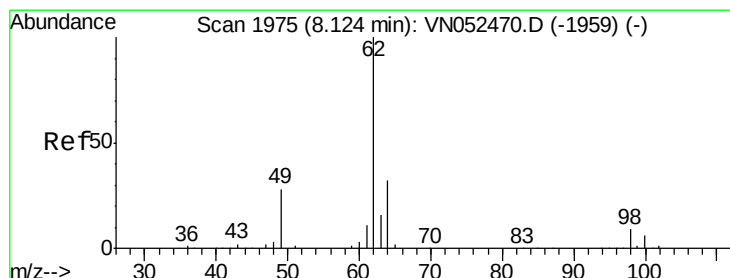
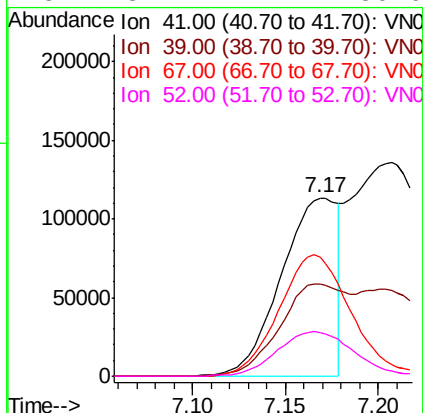
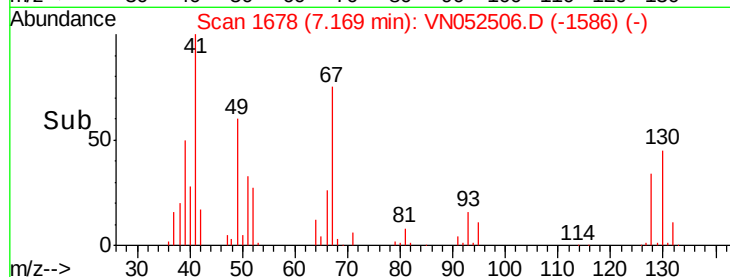
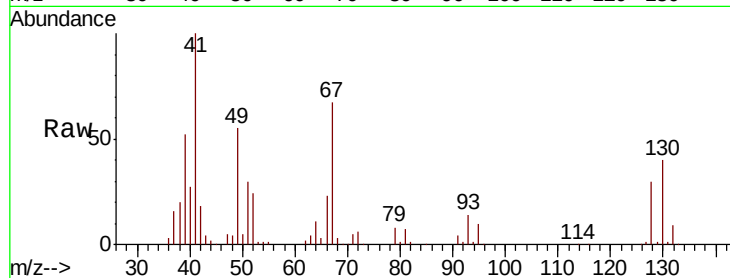
#41
Methacrylonitrile
Concen: 42.623 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.2	50.9	76.3	
67	89.0	63.6	95.4	
52	34.2	24.4	36.6	

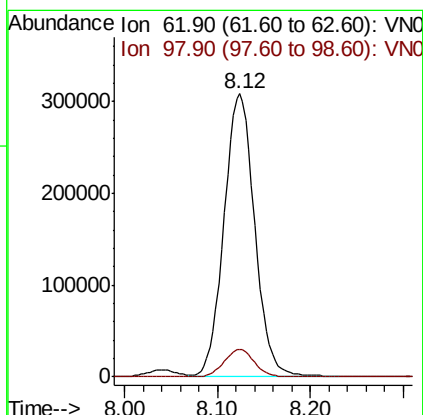
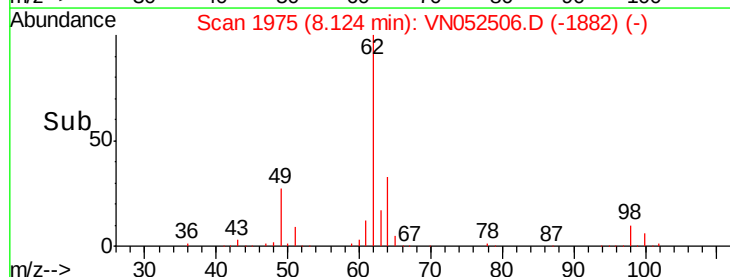
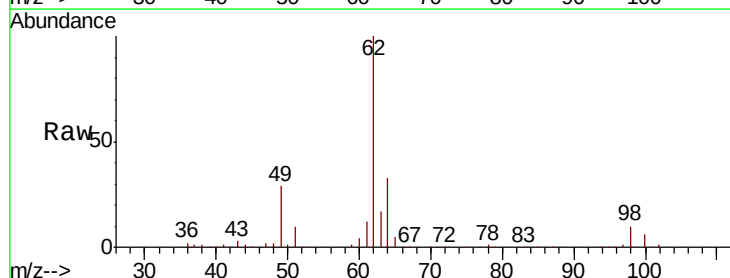
Manual Integrations
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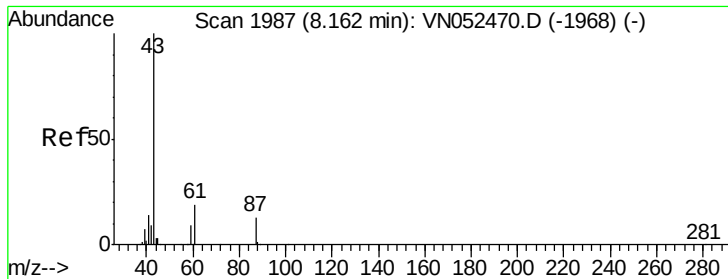
MMDadoda
11/29/2018 9:33:58 AM



#42
1,2-Dichloroethane
Concen: 46.951 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.6	





#43

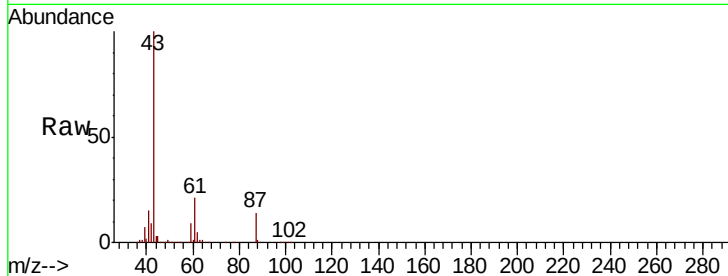
Isopropyl Acetate
 Concen: 46.404 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

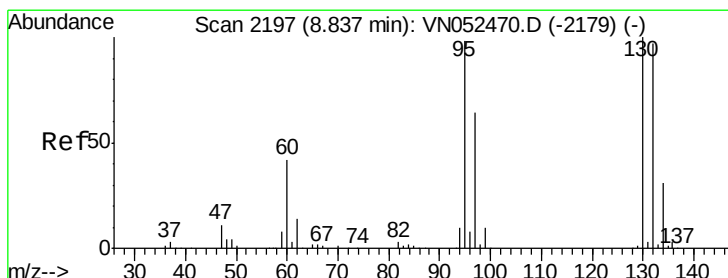
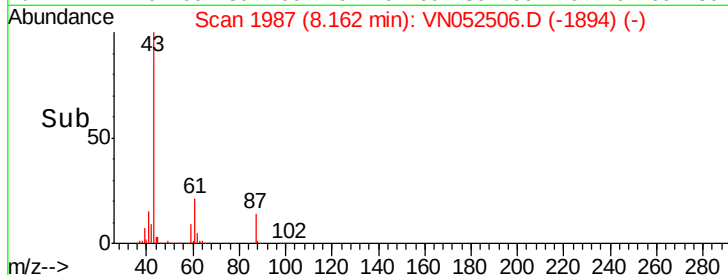
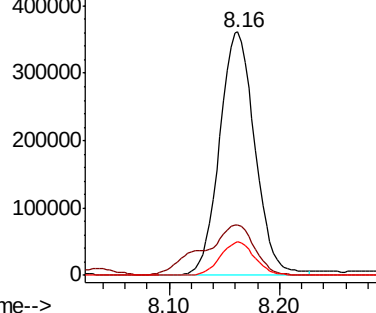
Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.1	36.1
87	13.5	10.6	15.8

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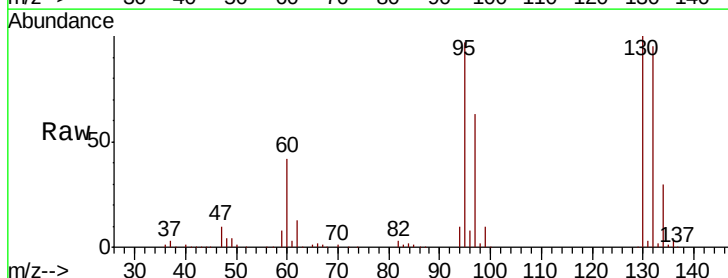
Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)
 Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)
 Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



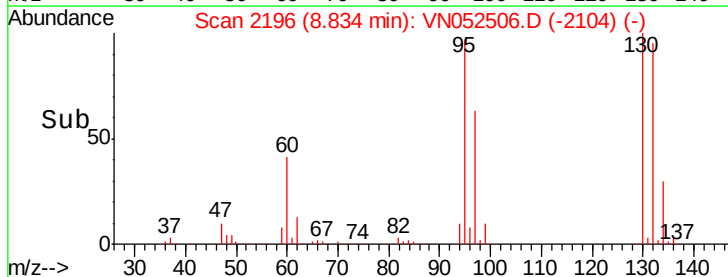
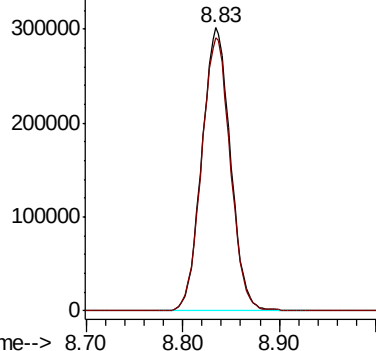
#44

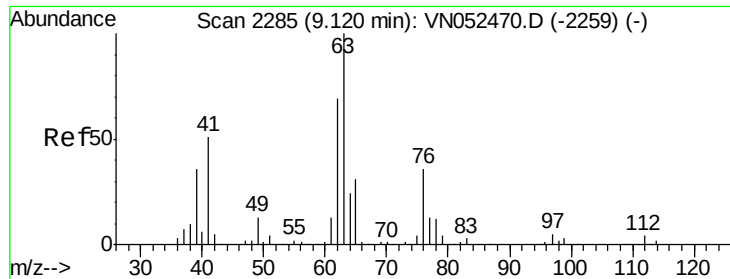
Trichloroethene
 Concen: 48.585 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)





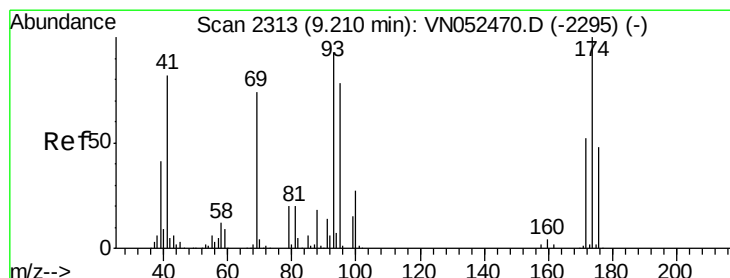
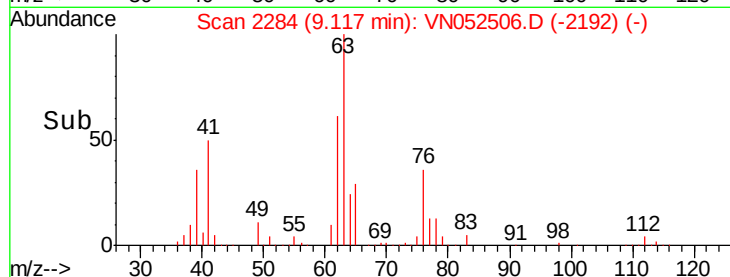
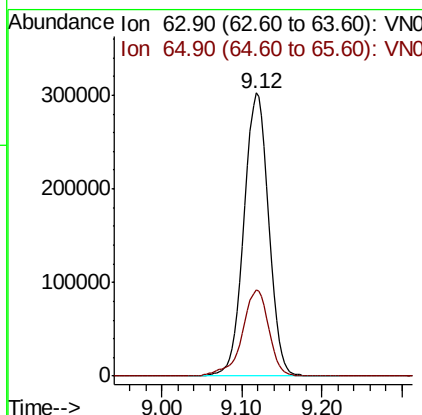
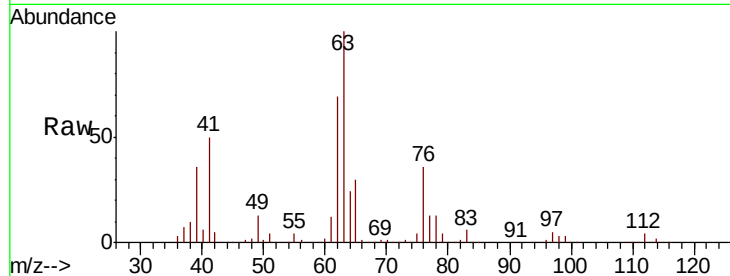
#45
 1,2-Dichloropropane
 Concen: 47.562 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 628964
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

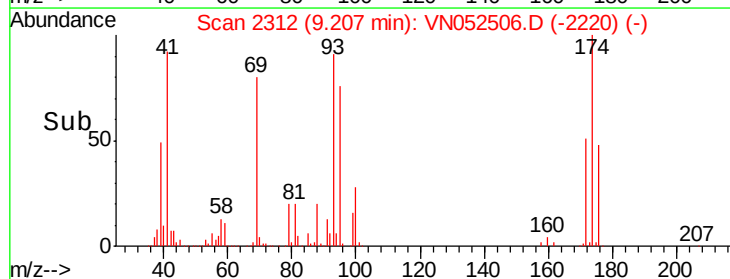
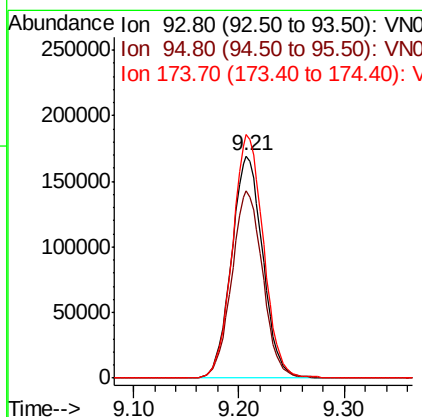
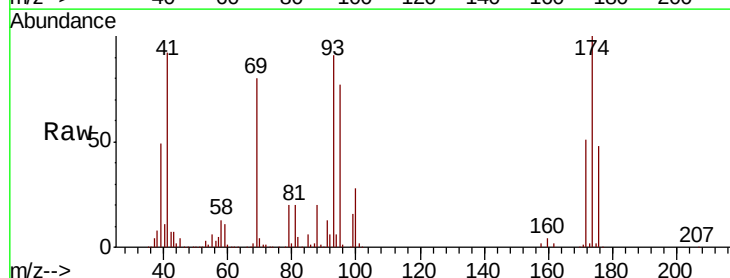
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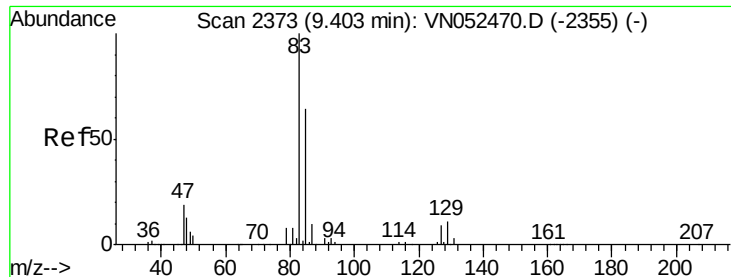
MMDadoda
 11/29/2018 9:33:58 AM



#46
 Dibromomethane
 Concen: 47.393 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion: 93 Resp: 346949
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.1 100.7
 174 108.8 85.8 128.8





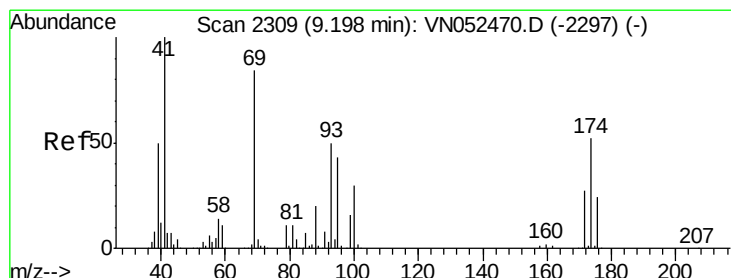
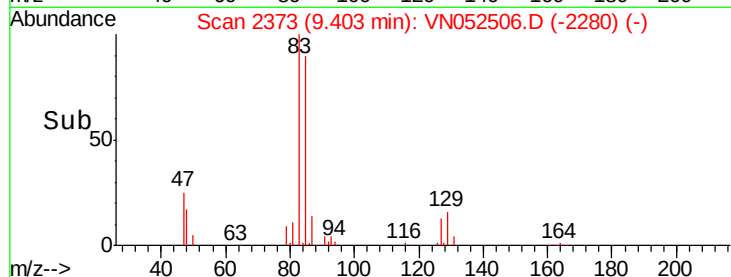
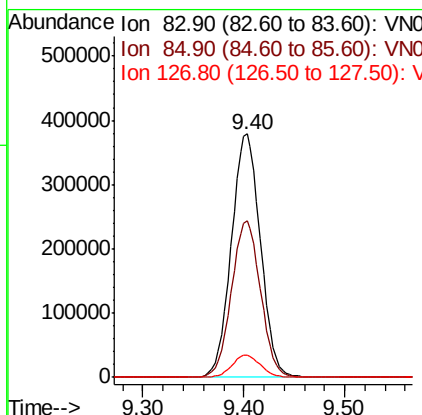
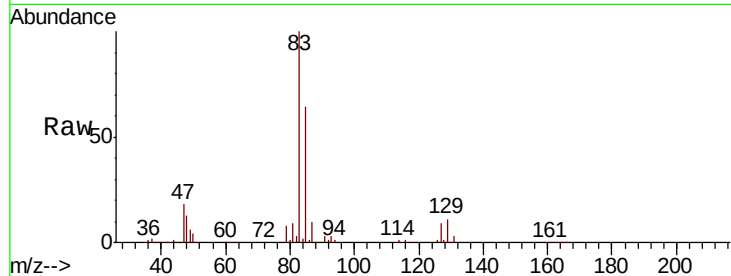
#47
Bromodichloromethane
Concen: 47.629 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.3	76.9
127	9.0	6.9	10.3

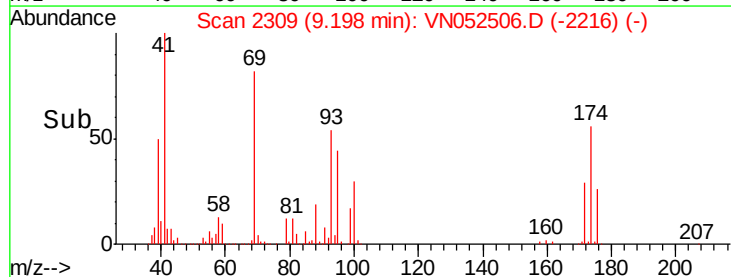
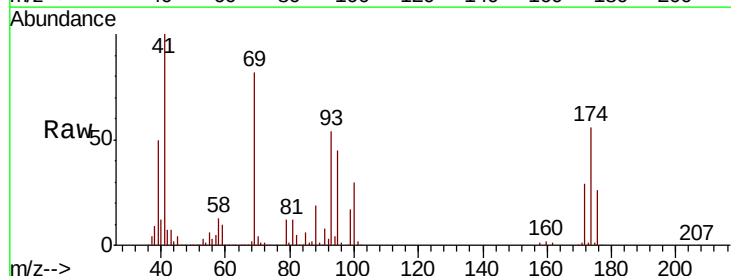
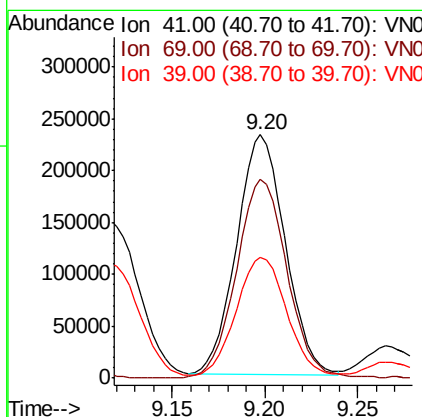
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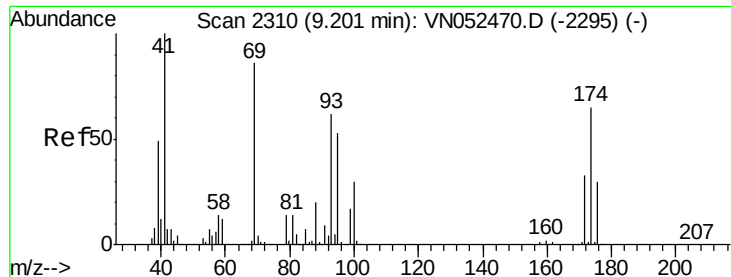
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#48
Methyl methacrylate
Concen: 46.784 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.5	70.0	105.0
39	53.3	42.6	64.0





#49

1,4-Dioxane

Concen: 995.541 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

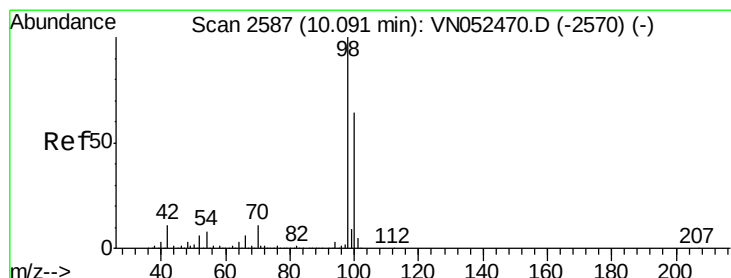
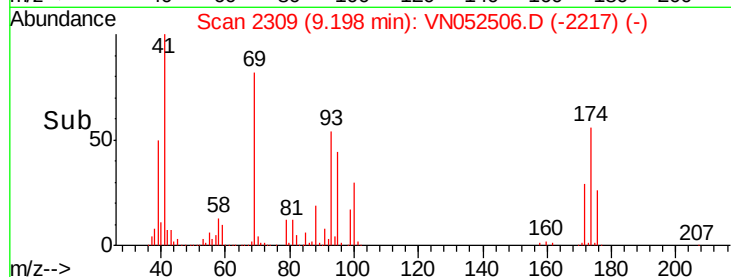
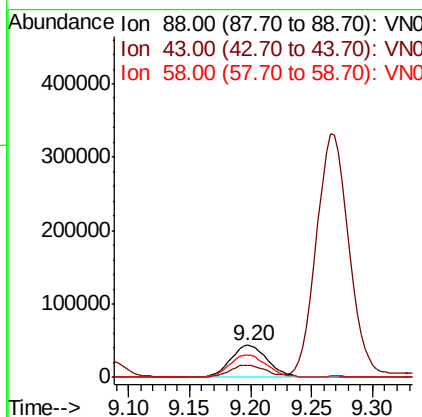
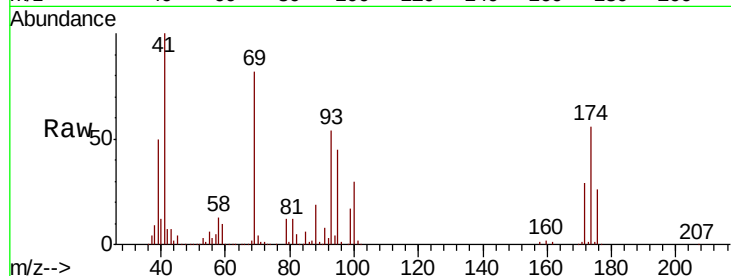
ClientSampleId :

VSTDCCC050

Tgt Ion:	88	Resp:	92867
Ion Ratio	Lower	Upper	
88	100		
43	34.9	26.4	39.6
58	70.6	55.4	83.0

Manual Integrations
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11/29/2018 9:33:58 AM



#50

Toluene-d8

Concen: 995.541 ug/l

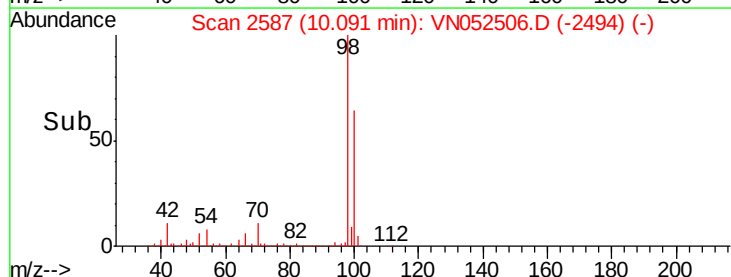
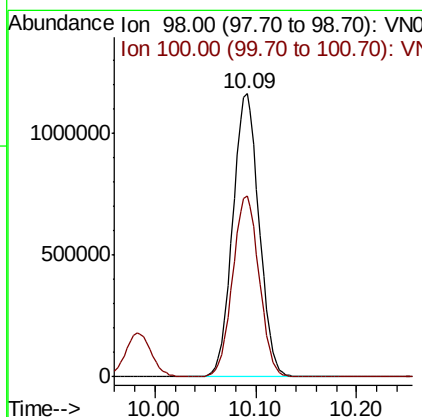
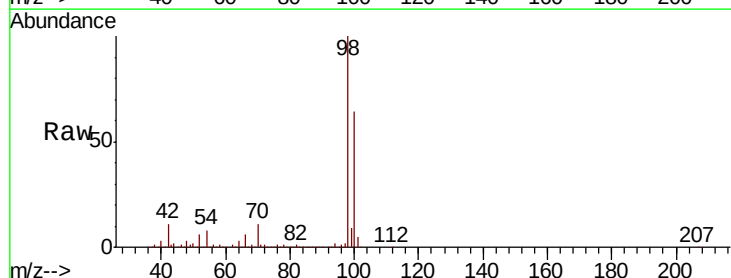
RT: 10.09 min Scan# 2587

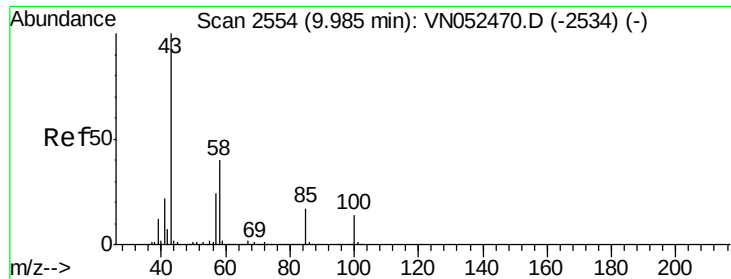
Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Tgt Ion:	98	Resp:	2112421
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.3	76.9





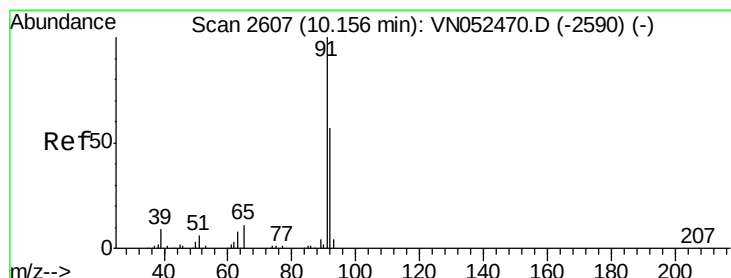
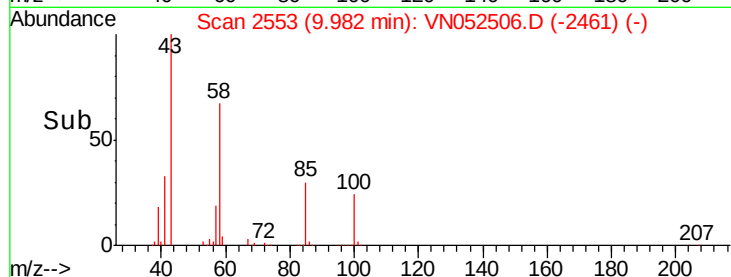
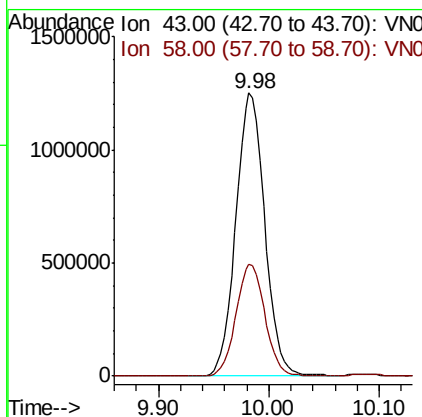
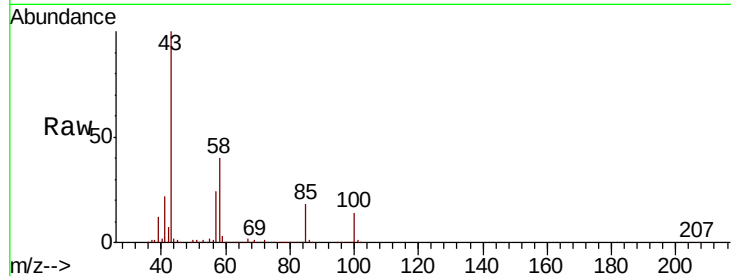
#51
 4-Methyl-2-Pentanone
 Concen: 234.920 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2272056
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.5 47.3

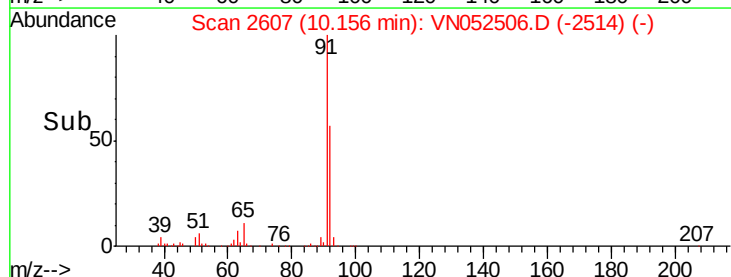
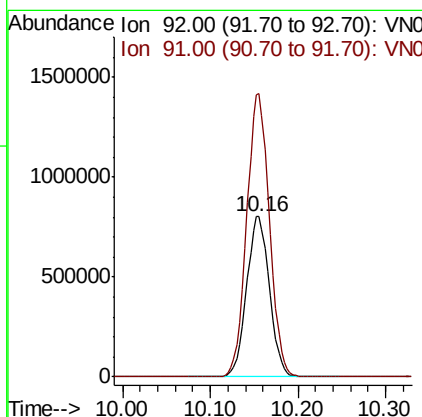
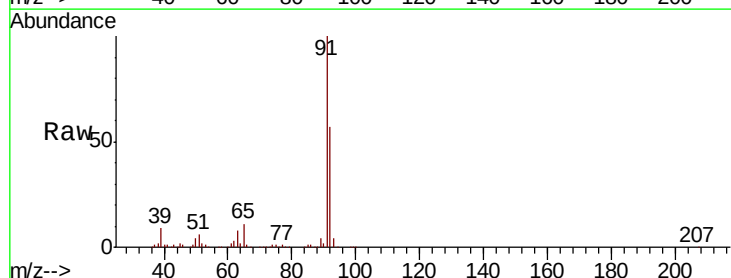
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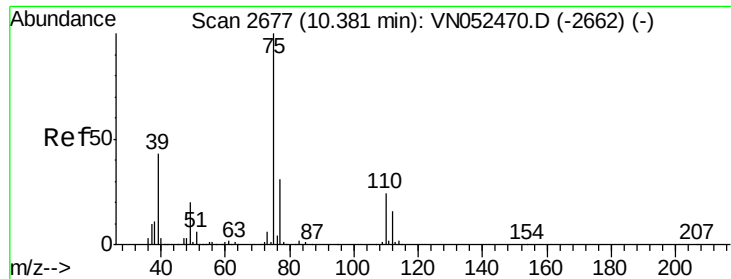
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#52
 Toluene
 Concen: 49.123 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion: 92 Resp: 1451729
 Ion Ratio Lower Upper
 92 100
 91 176.2 141.0 211.4





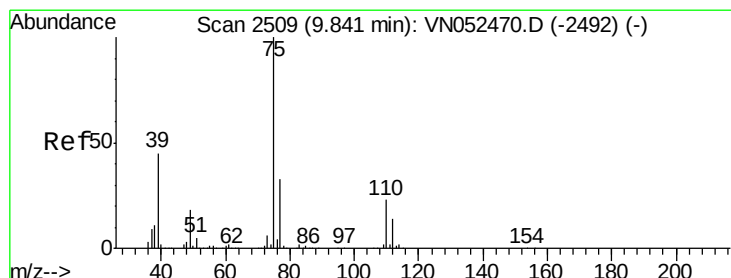
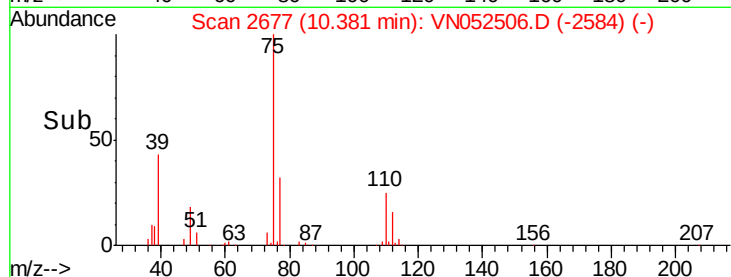
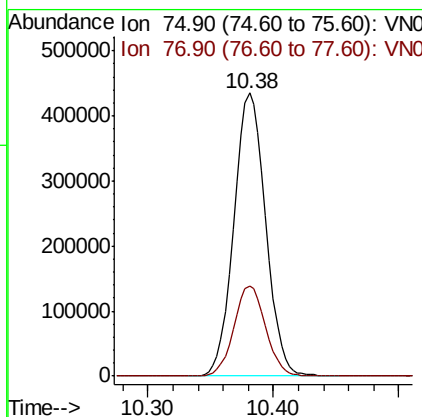
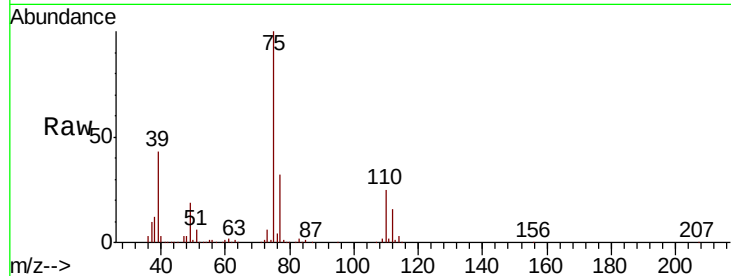
#53
t-1,3-Dichloropropene
Concen: 49.904 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 764134
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4

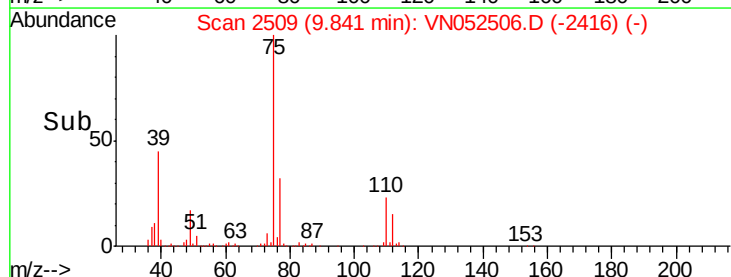
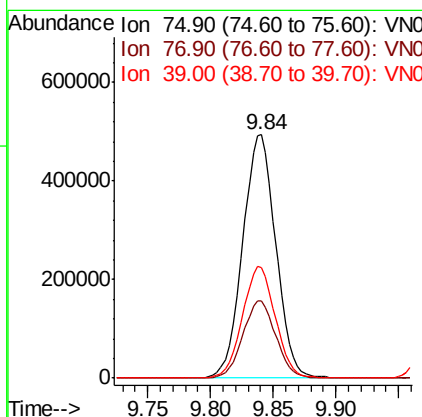
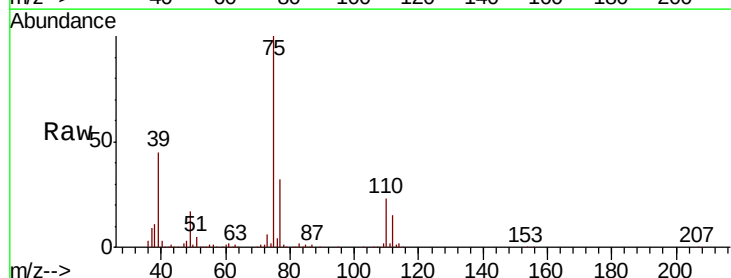
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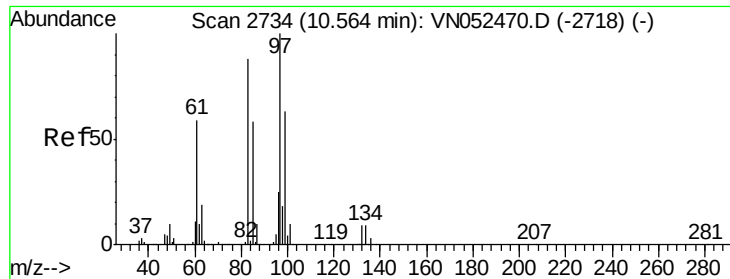
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.419 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion: 75 Resp: 906809
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
39 45.3 36.0 54.0





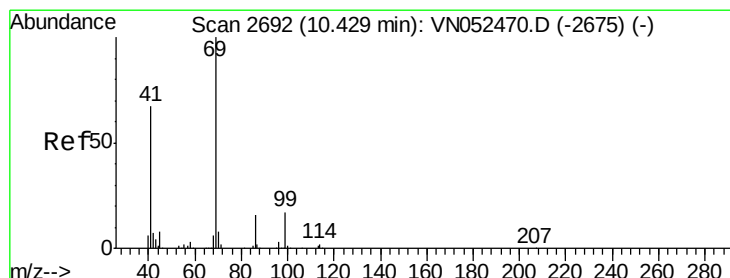
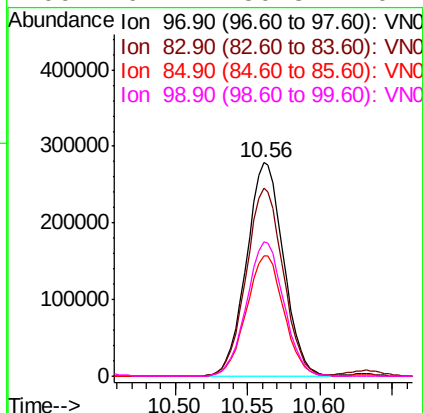
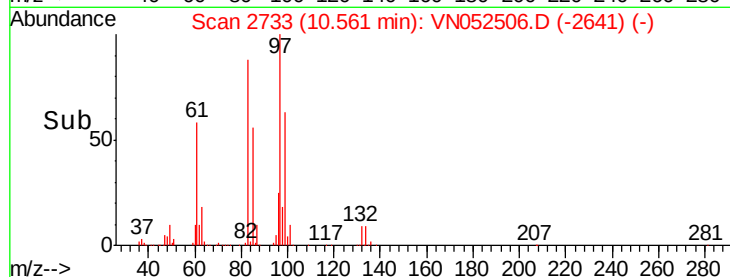
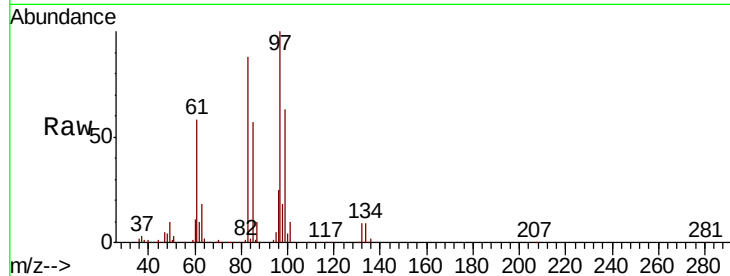
#55
 1,1,2-Trichloroethane
 Concen: 47.819 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.7	106.1
85	56.5	46.1	69.1
99	62.7	50.8	76.2

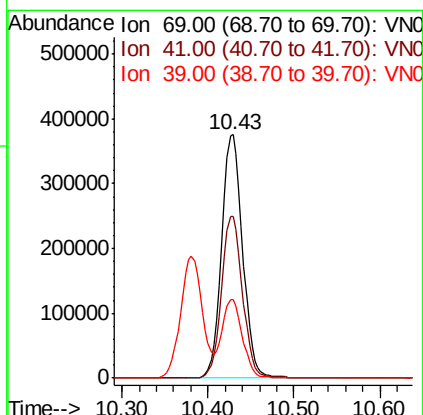
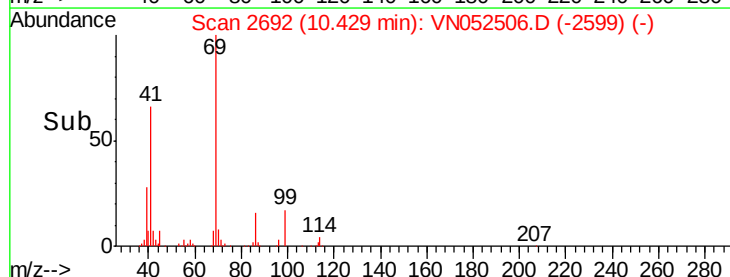
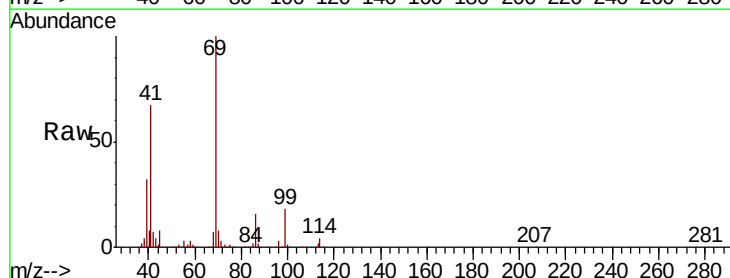
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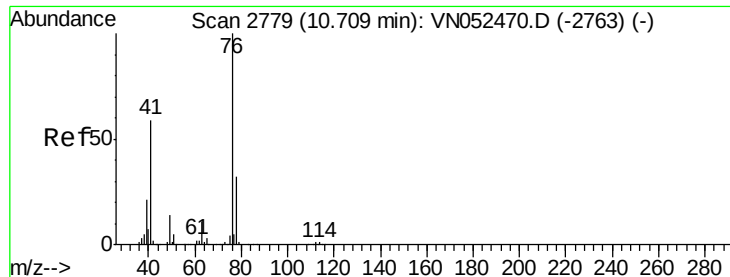
MMDadoda
 11/29/2018 9:33:58 AM



#56
 Ethyl methacrylate
 Concen: 44.482 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.6	79.0
39	31.5	25.9	38.9





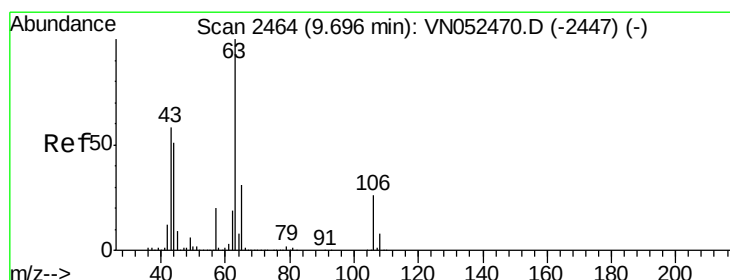
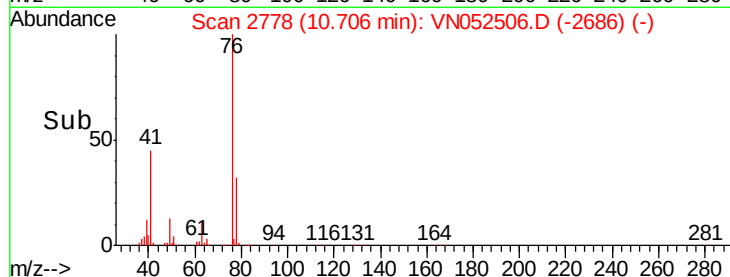
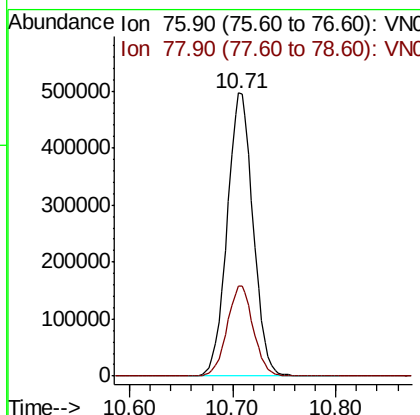
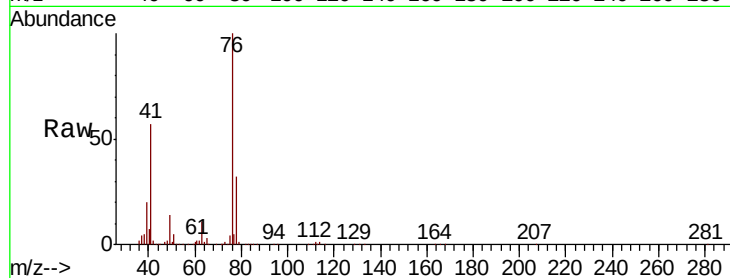
#57
 1,3-Dichloropropane
 Concen: 47.383 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 869720
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4

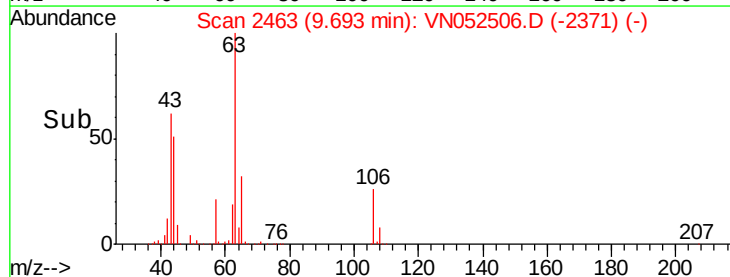
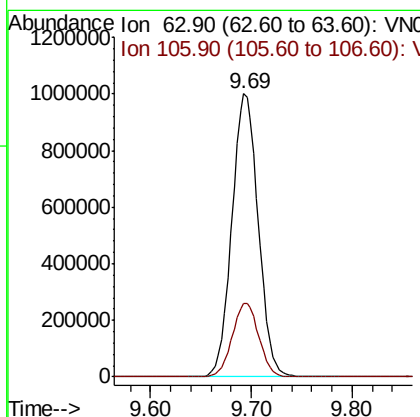
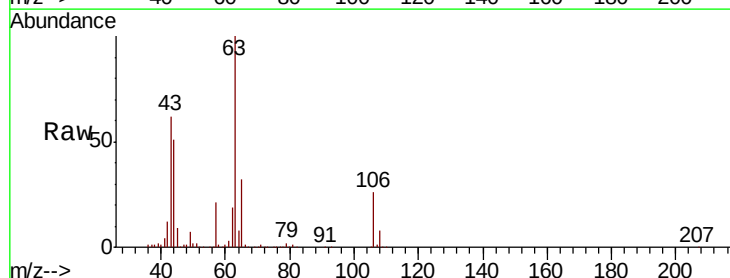
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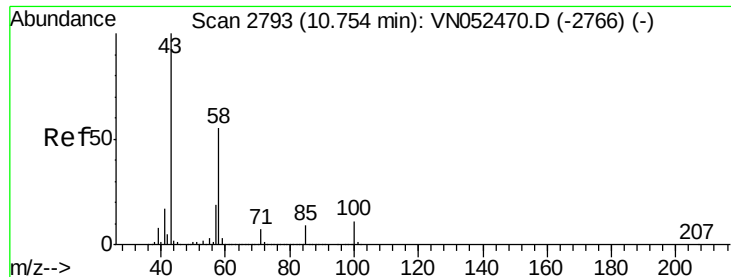
MMDadoda
 11/29/2018 9:33:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.885 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion: 63 Resp: 1817033
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.6 30.8





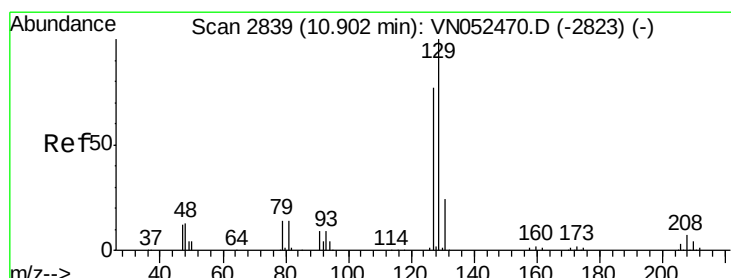
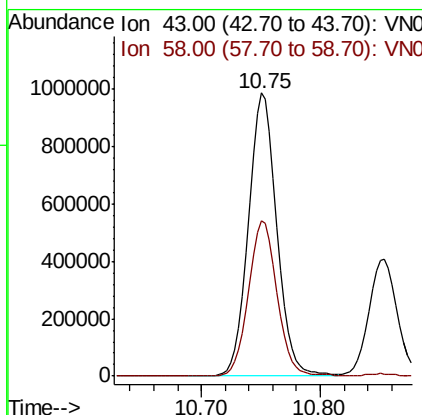
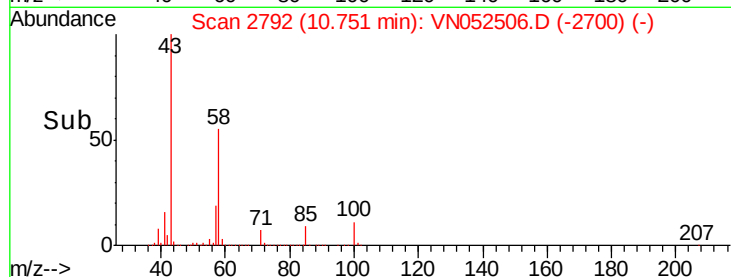
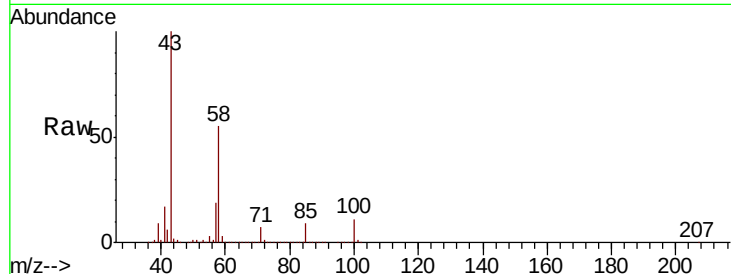
#59
2-Hexanone
Concen: 250.840 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1628235
Ion Ratio Lower Upper
43 100
58 55.3 27.4 82.0

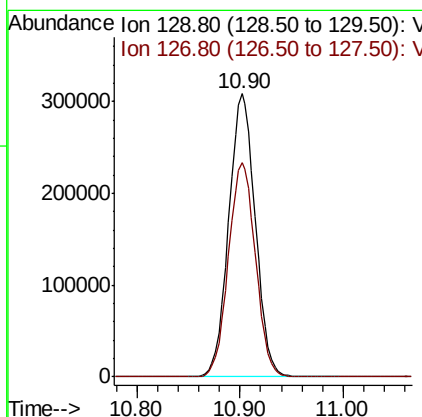
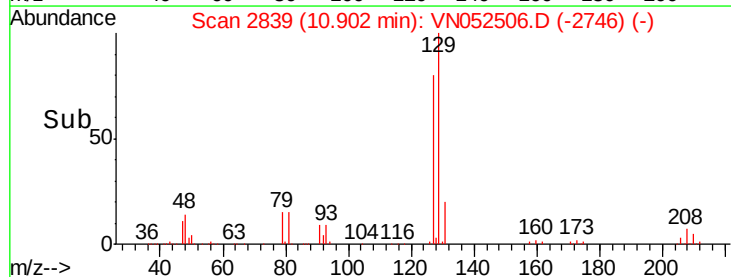
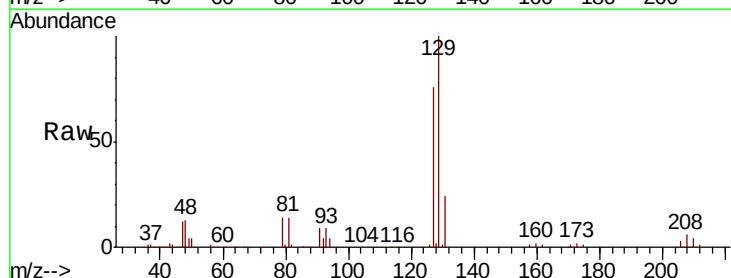
Manual Integrations
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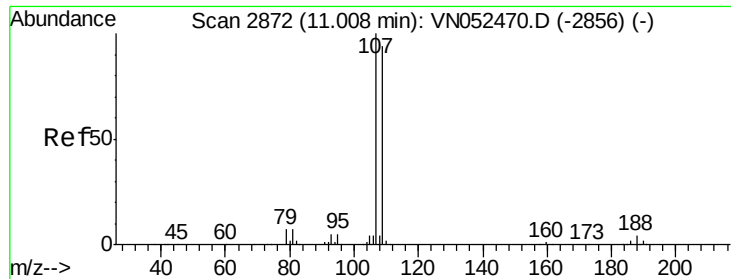
MMDadoda
11/29/2018 9:33:58 AM



#60
Dibromochloromethane
Concen: 49.030 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion: 129 Resp: 553573
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





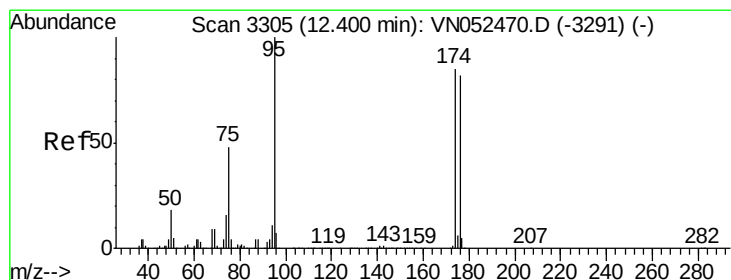
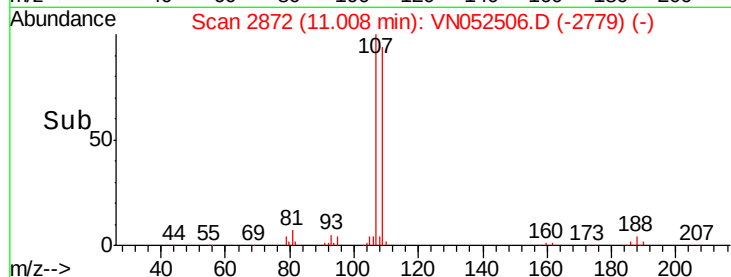
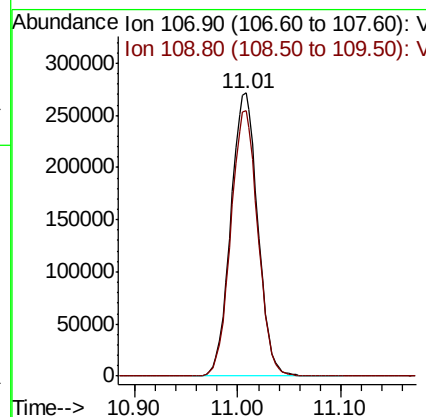
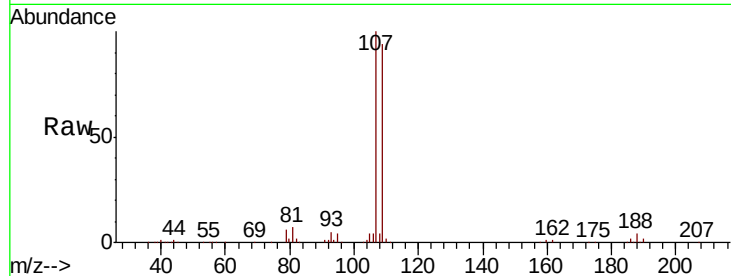
#61
 1,2-Dibromoethane
 Concen: 48.033 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.6	113.4

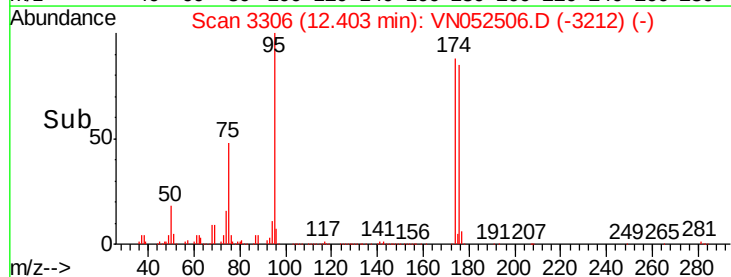
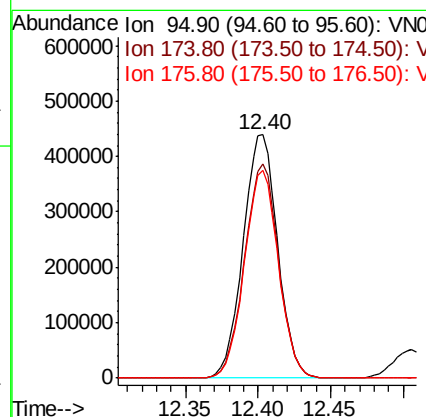
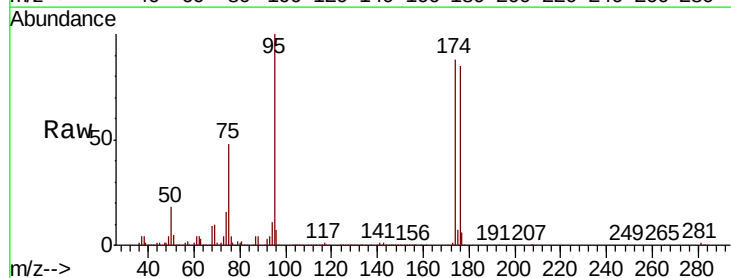
Manual Integrations
 APPROVED

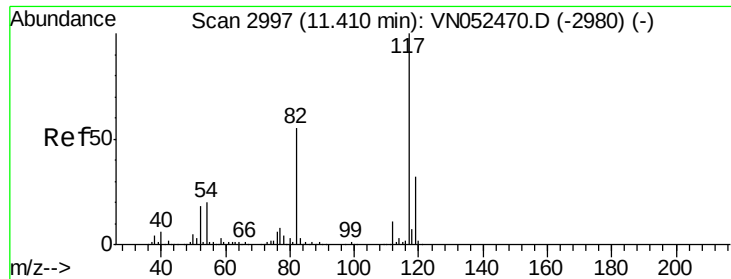
MMDadoda
 11/29/2018 9:33:58 AM



#62
 4-Bromofluorobenzene
 Concen: 48.033 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	173.0
176	84.6	0.0	166.2





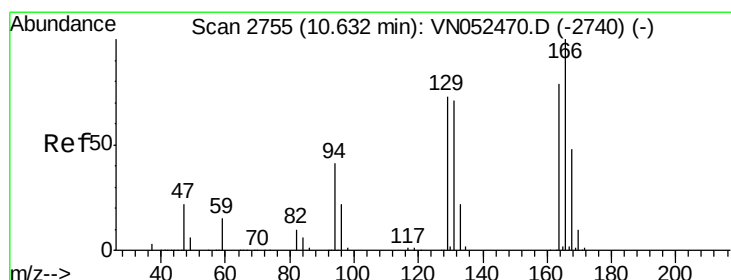
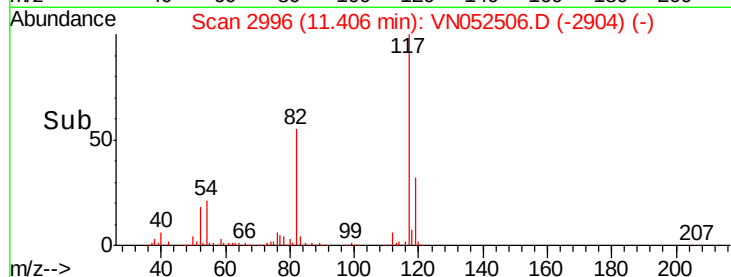
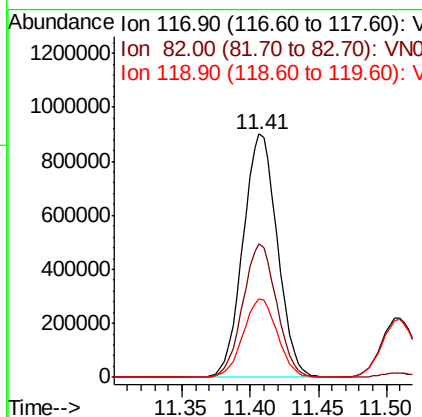
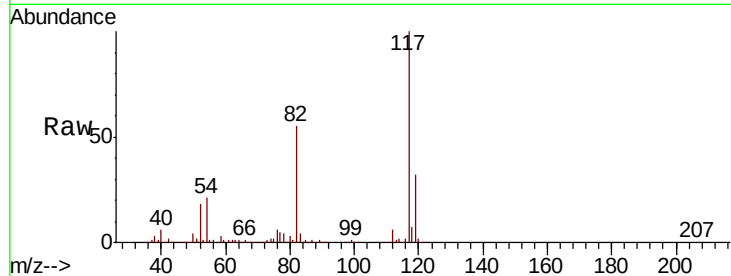
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1573827
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 32.4 25.4 38.2

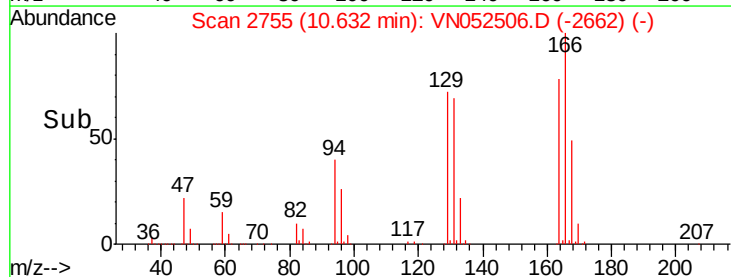
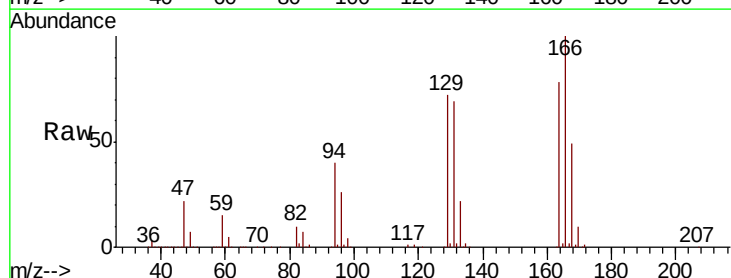
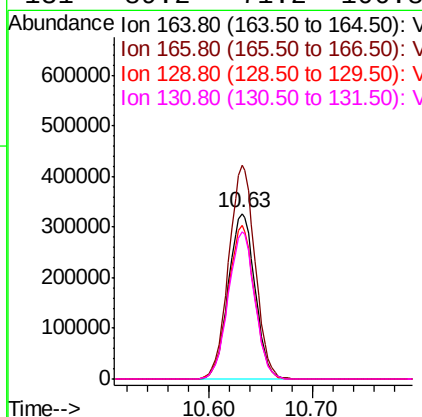
Manual Integrations
APPROVED

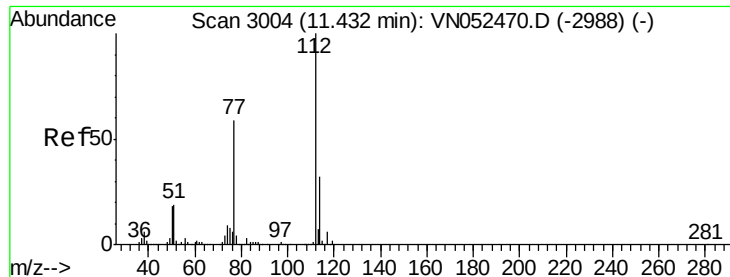
MMDadoda
11/29/2018 9:33:58 AM



#64
Tetrachloroethene
Concen: 48.163 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion:164 Resp: 587699
Ion Ratio Lower Upper
164 100
166 128.9 101.0 151.4
129 92.9 73.8 110.6
131 89.2 71.2 106.8





#65

Chlorobenzene

Concen: 48.419 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 1571305

Ion Ratio Lower Upper

112 100

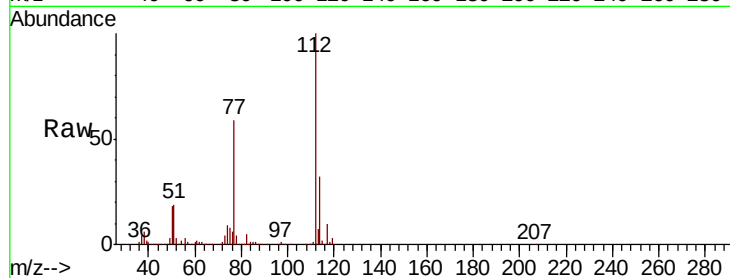
114 31.9 25.8 38.6

Manual Integrations

APPROVED

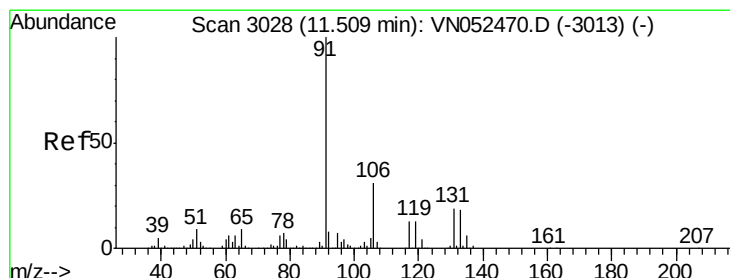
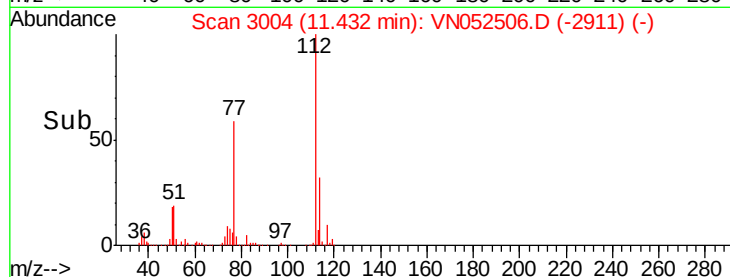
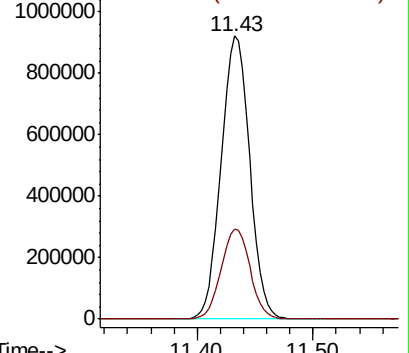
MMDadoda

11/29/2018 9:33:58 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.451 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

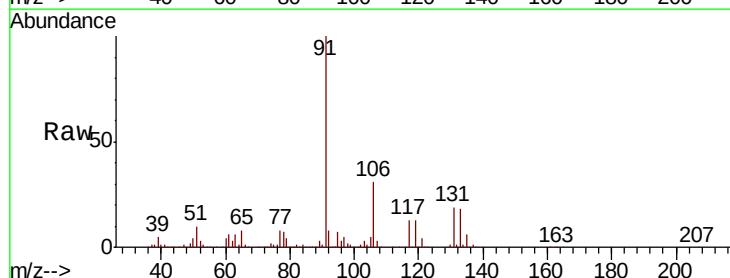
Tgt Ion:131 Resp: 546713

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.8

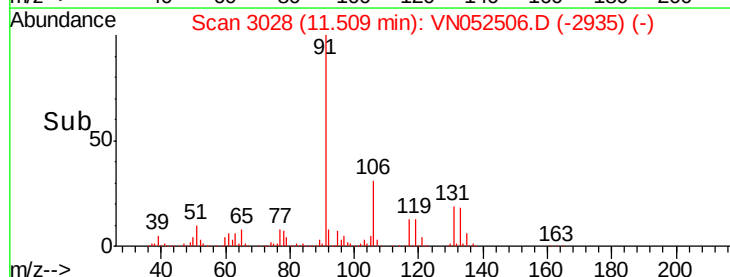
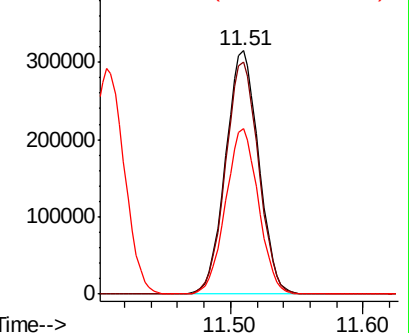
119 67.3 33.2 99.6

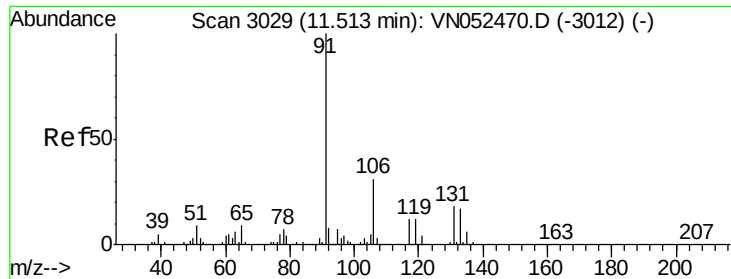


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





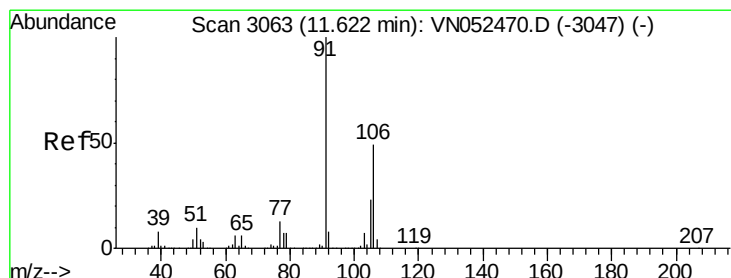
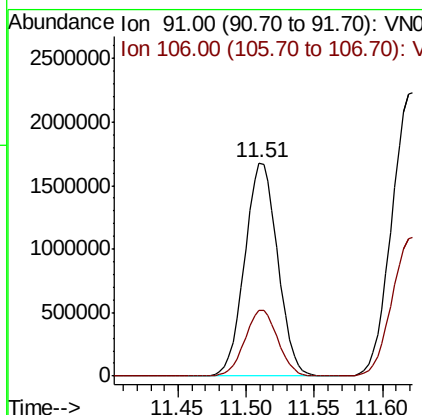
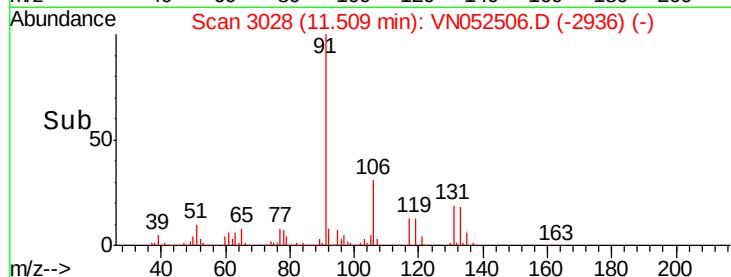
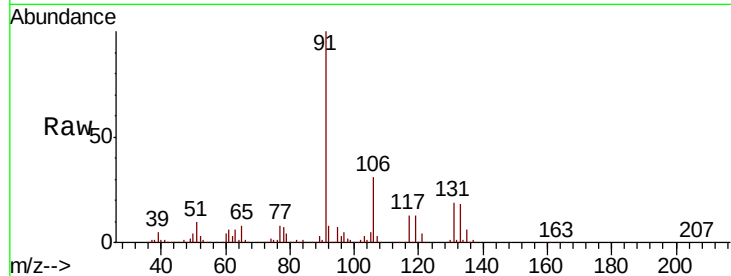
#67
Ethyl Benzene
Concen: 49.383 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2806432
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3

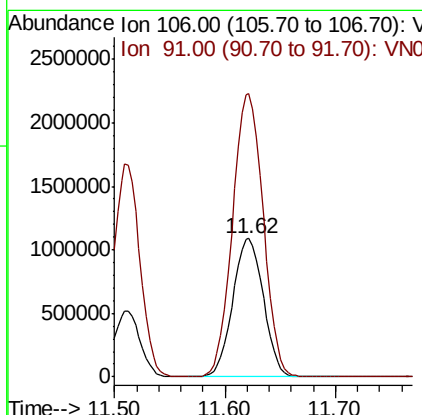
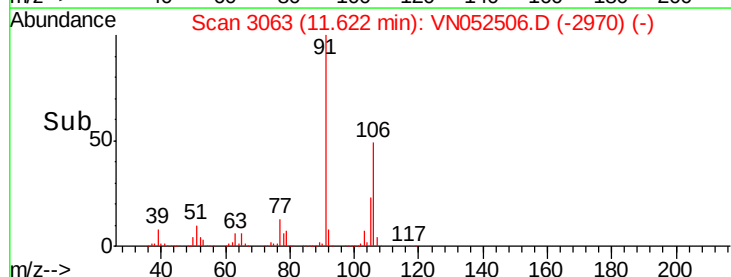
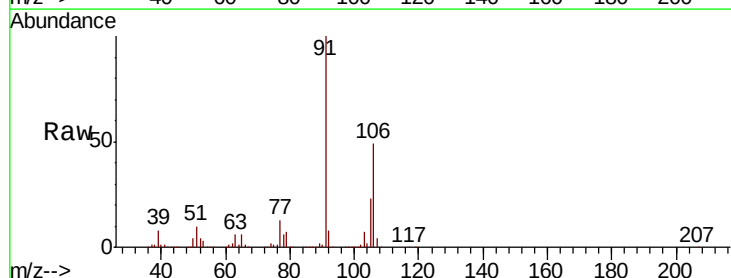
Manual Integrations
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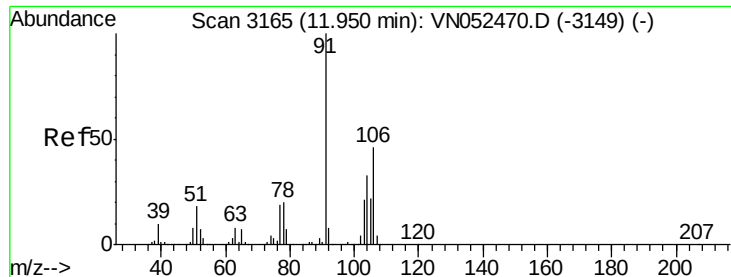
MMDadoda
11/29/2018 9:33:58 AM



#68
m/p-Xylenes
Concen: 99.208 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion: 106 Resp: 2098856
Ion Ratio Lower Upper
106 100
91 204.8 163.2 244.8





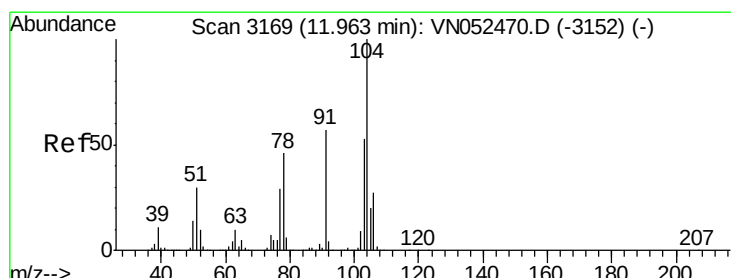
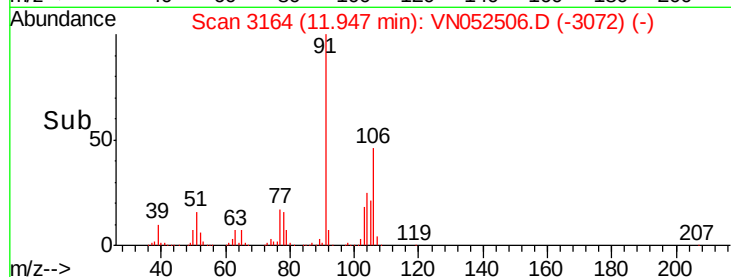
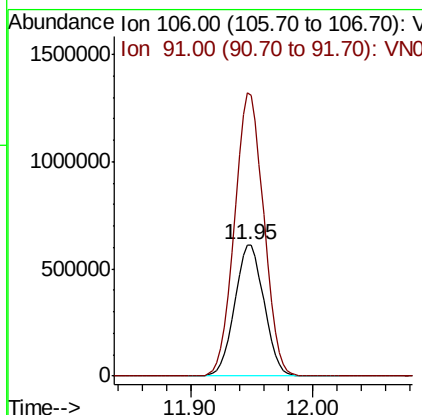
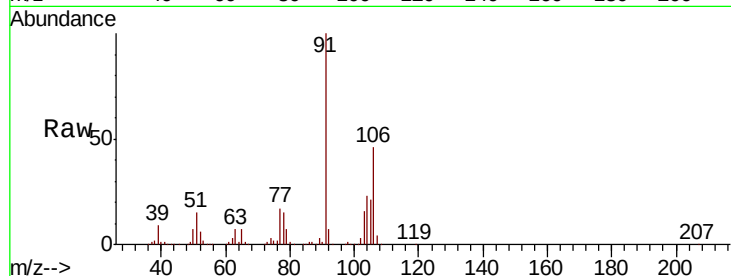
#69
o-Xylene
Concen: 49.469 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1016306
Ion Ratio Lower Upper
106 100
91 215.4 107.7 323.1

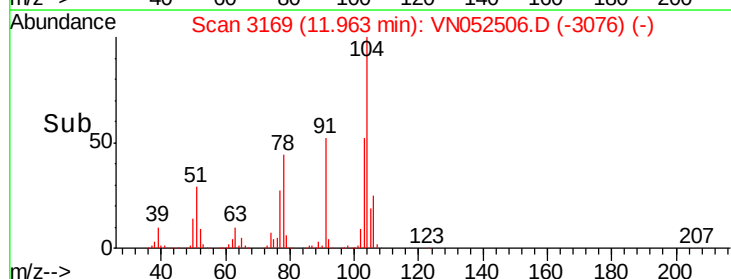
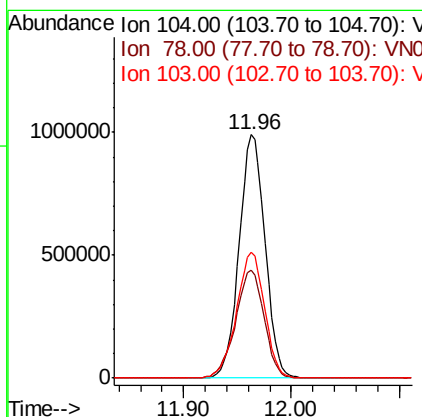
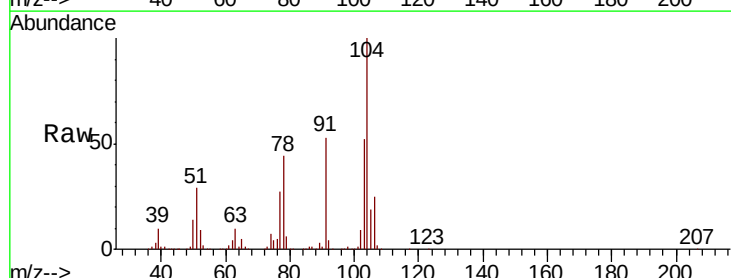
Manual Integrations
APPROVED

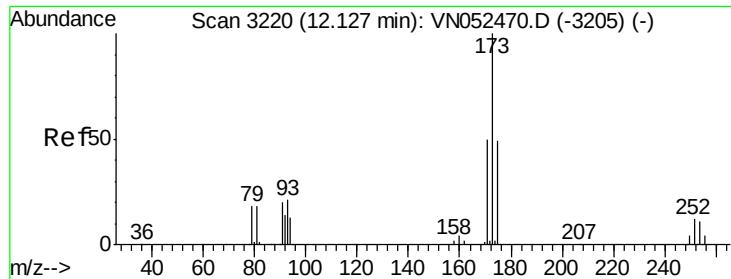
MMDadoda
11/29/2018 9:33:58 AM



#70
Styrene
Concen: 50.739 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion:104 Resp: 1660307
Ion Ratio Lower Upper
104 100
78 48.8 39.4 59.2
103 55.8 44.9 67.3





#71

Bromoform

Concen: 48.953 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 365738

Ion Ratio Lower Upper

173 100

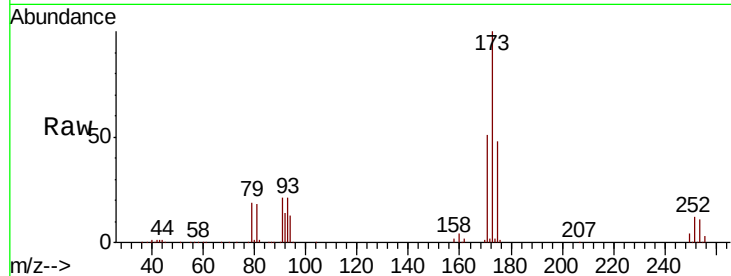
175 47.6 24.4 73.2

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

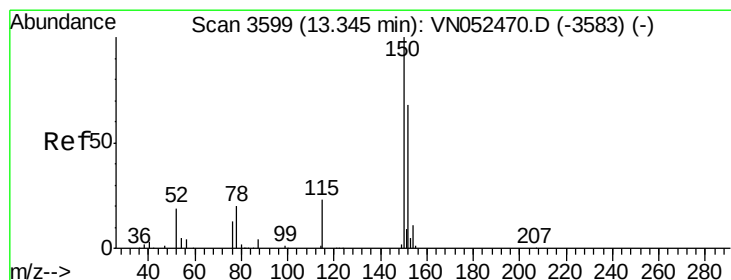
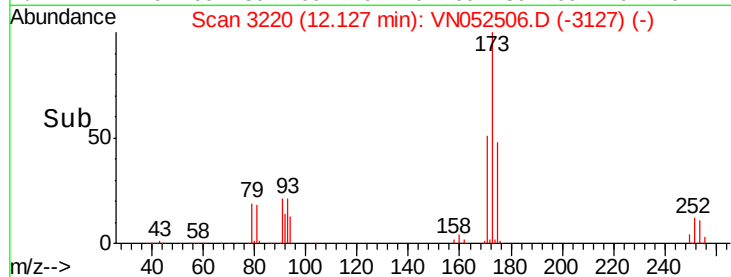
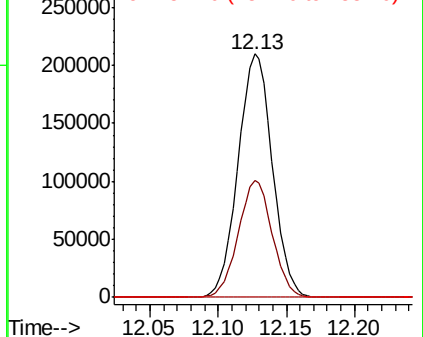
11/29/2018 9:33:58 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Tgt Ion:152 Resp: 733588

Ion Ratio Lower Upper

152 100

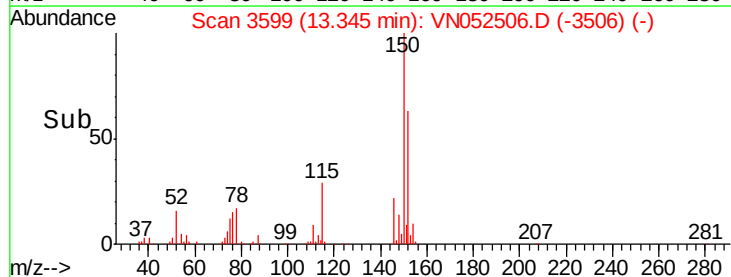
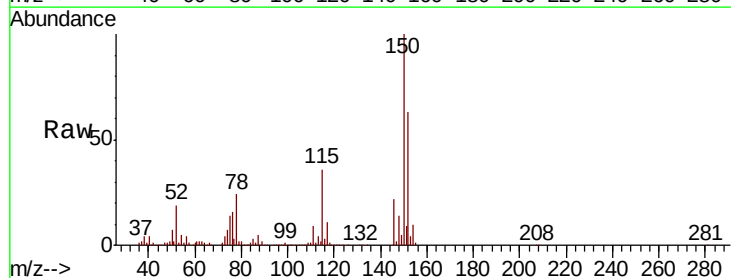
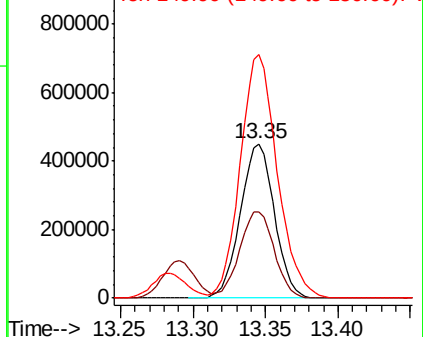
115 56.9 28.4 85.2

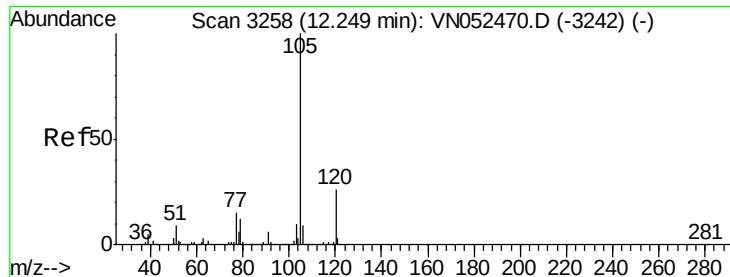
150 171.9 0.0 346.0

Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.720 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2746501

Ion Ratio Lower Upper

105 100

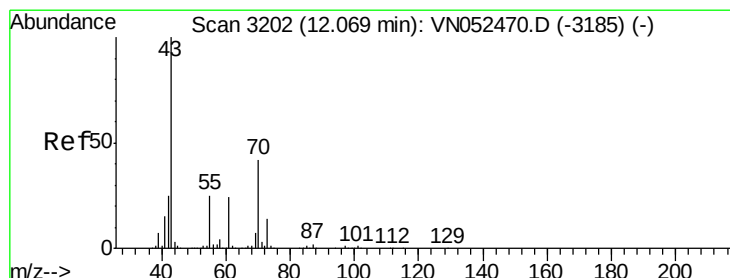
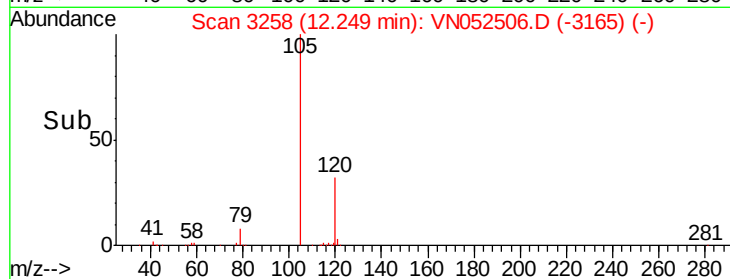
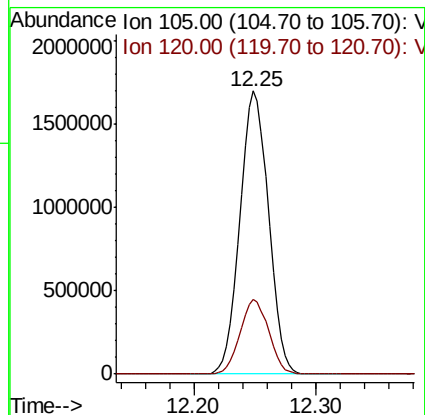
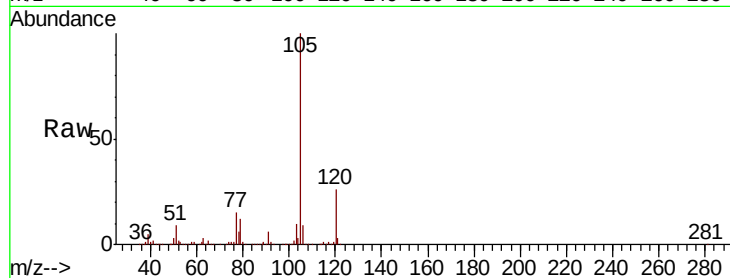
120 26.3 13.1 39.3

Manual Integrations

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MMDadoda

11/29/2018 9:33:58 AM



#74

N-ethyl acetate

Concen: 47.513 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Tgt Ion: 43 Resp: 690864

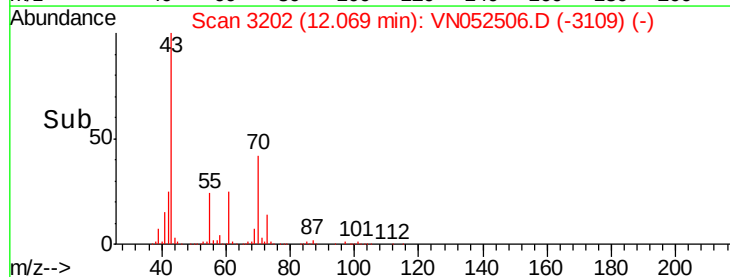
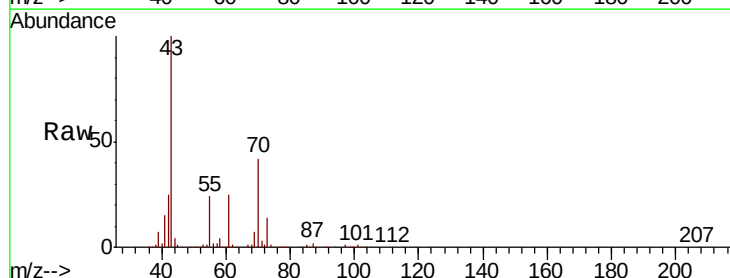
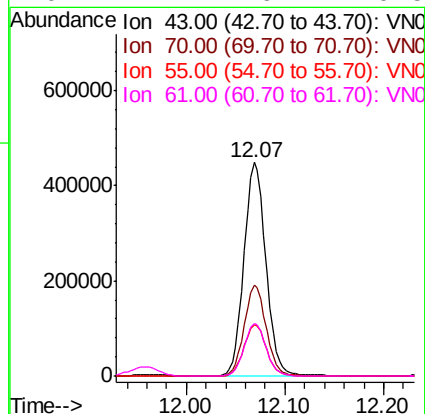
Ion Ratio Lower Upper

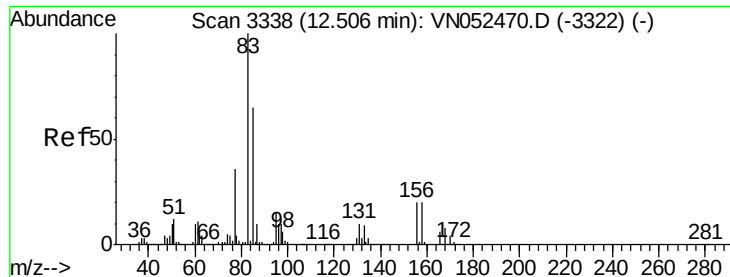
43 100

70 42.5 33.8 50.8

55 24.9 20.0 30.0

61 24.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 44.168 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 578269
Ion Ratio Lower Upper

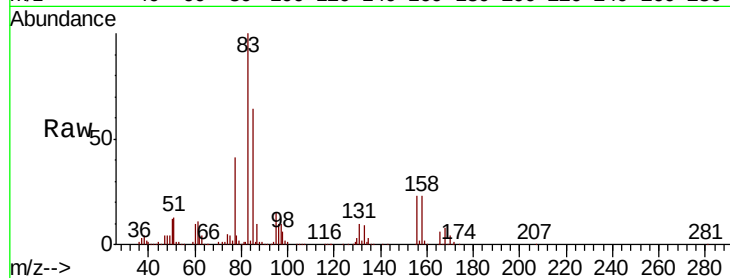
83 100

131 10.1 5.0 15.0

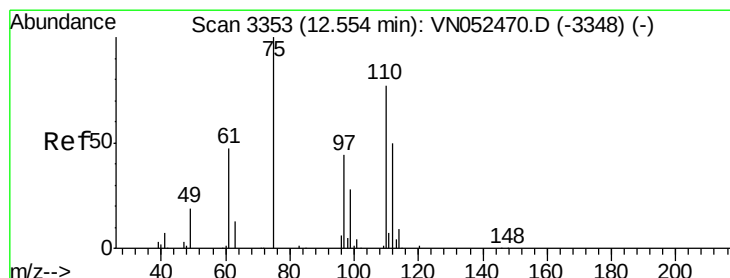
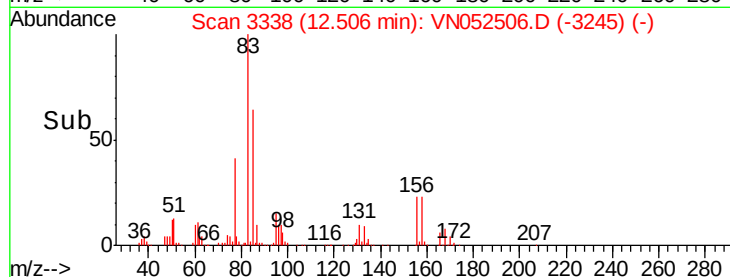
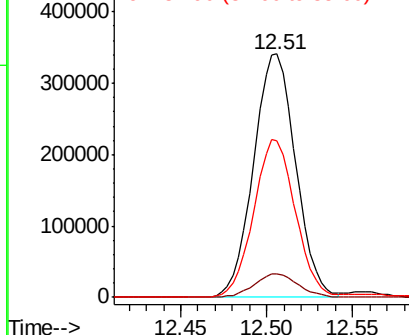
85 64.1 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.699 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

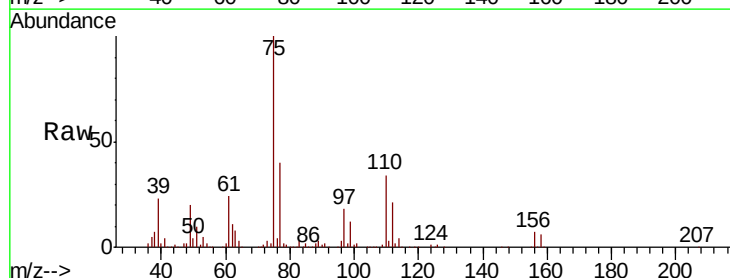
Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

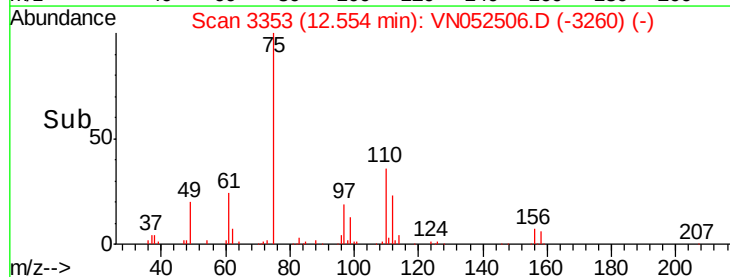
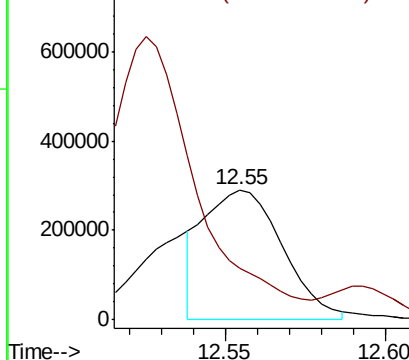
Tgt Ion: 75 Resp: 494338
Ion Ratio Lower Upper

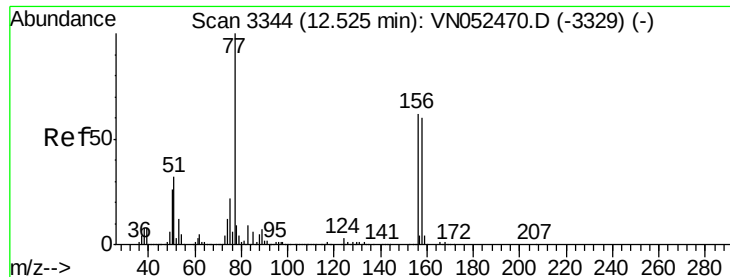
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.007 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

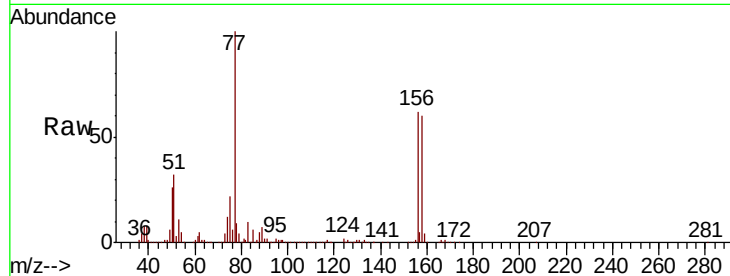
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	668711
Ion Ratio	Lower	Upper	
156	100		
77	185.2	93.5	280.4
158	96.3	48.3	144.9

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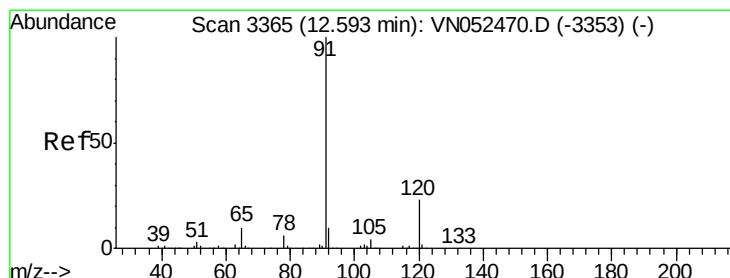
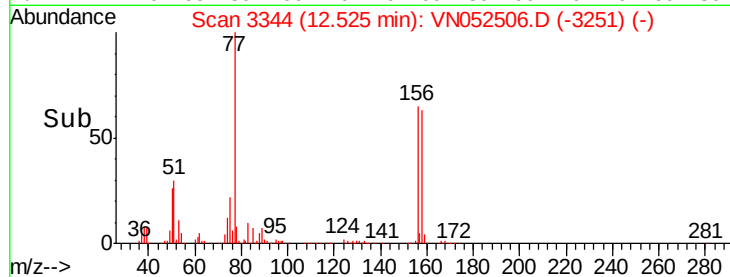
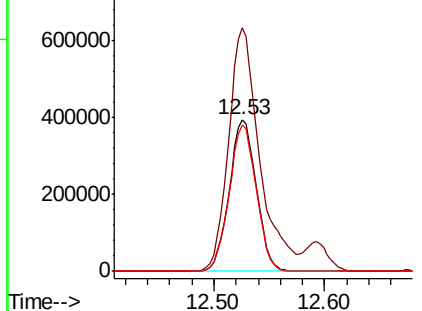
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.701 ug/l

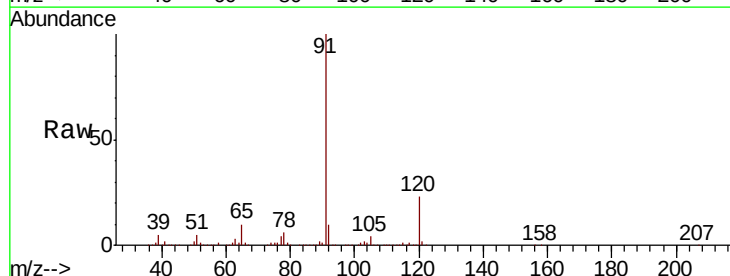
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052506.D

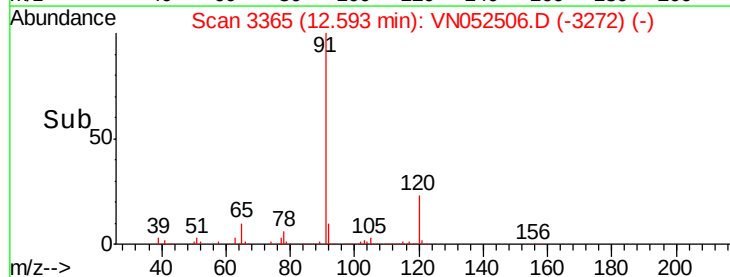
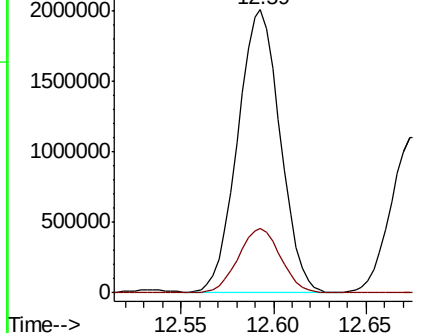
Acq: 28 Nov 2018 9:04

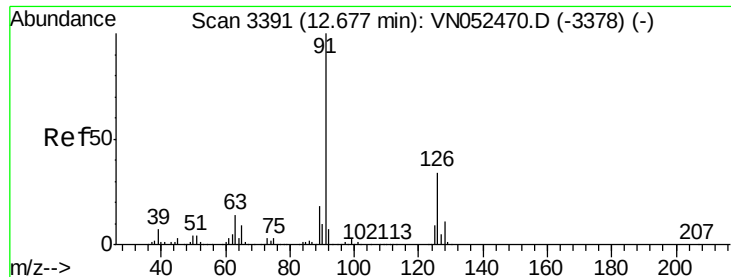
Tgt Ion:	91	Resp:	3184286
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.270 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1840535

Ion Ratio Lower Upper

91 100

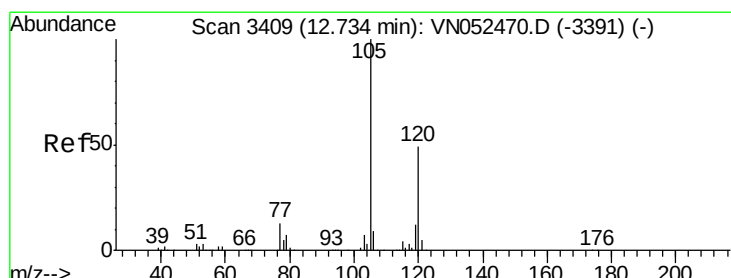
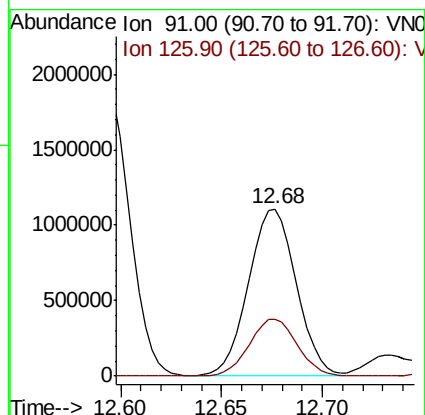
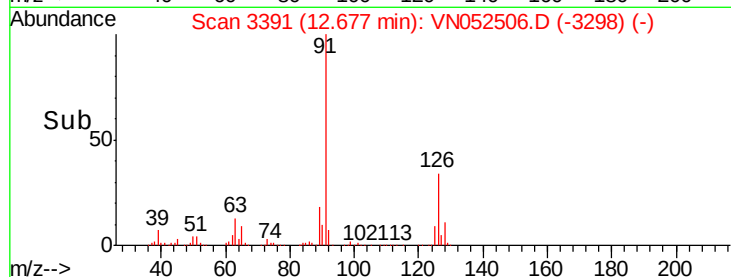
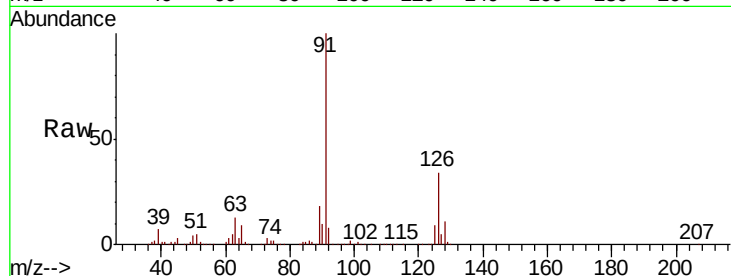
126 34.3 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.285 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052506.D

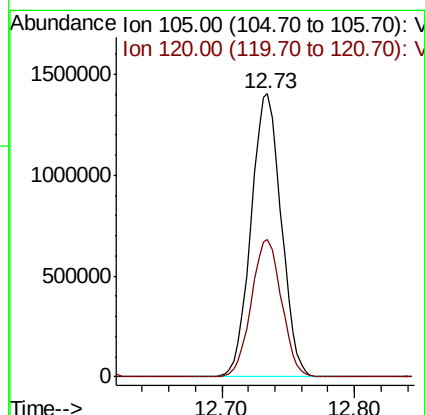
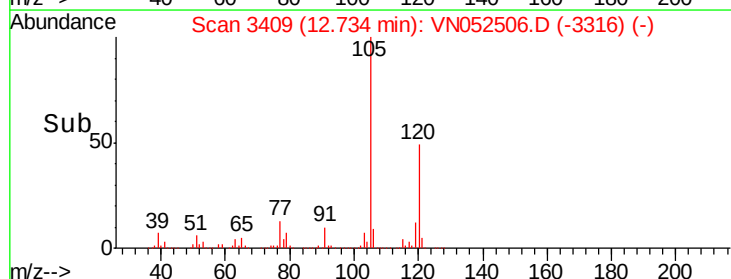
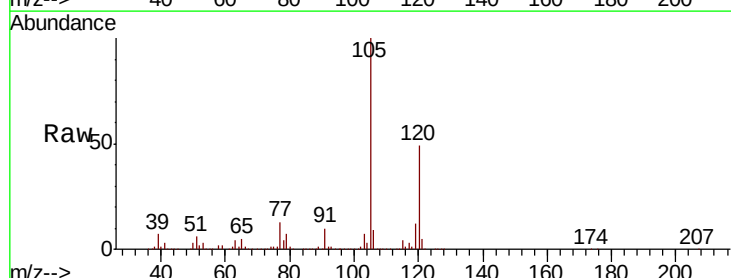
Acq: 28 Nov 2018 9:04

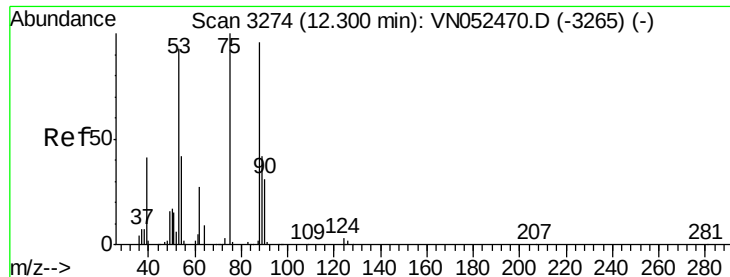
Tgt Ion: 105 Resp: 2216395

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0





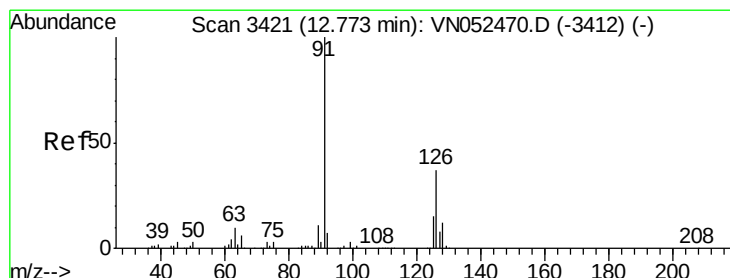
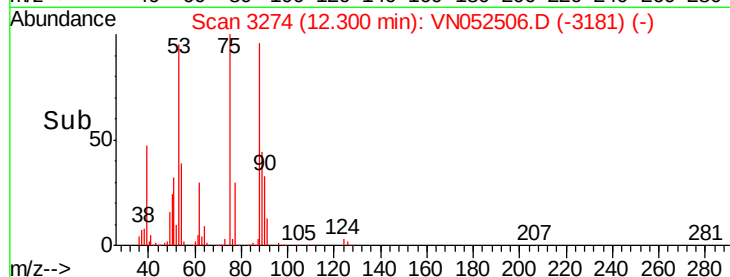
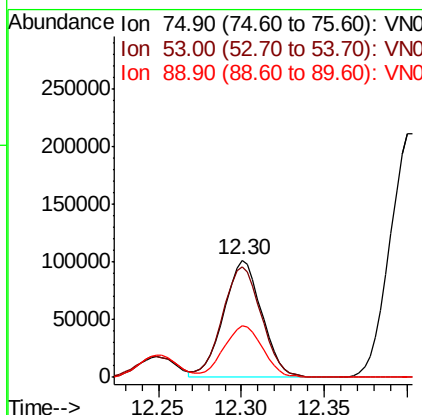
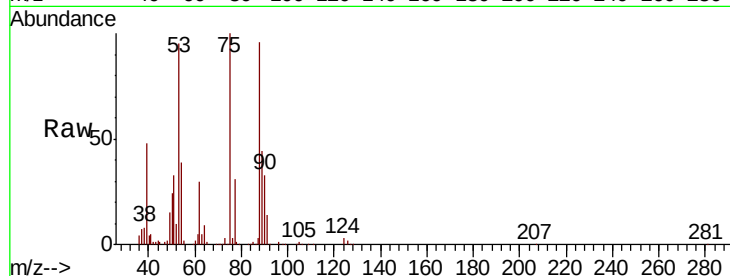
#81
trans-1,4-Dichloro-2-butene
Concen: 48.131 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.4	77.4	116.0
89	44.5	35.4	53.2

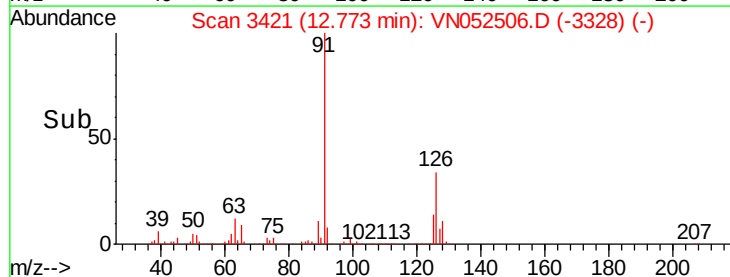
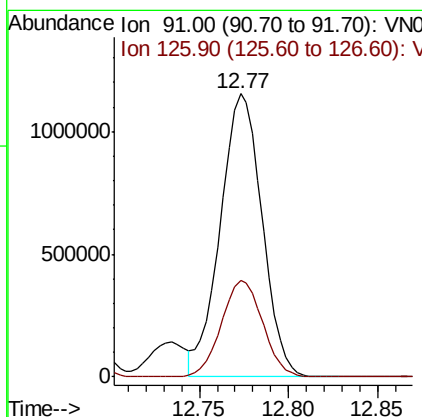
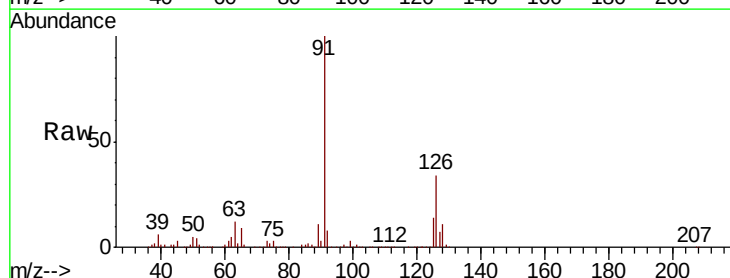
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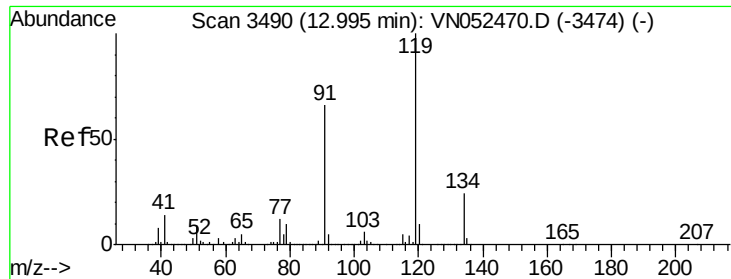
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#82
4-Chlorotoluene
Concen: 47.802 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6





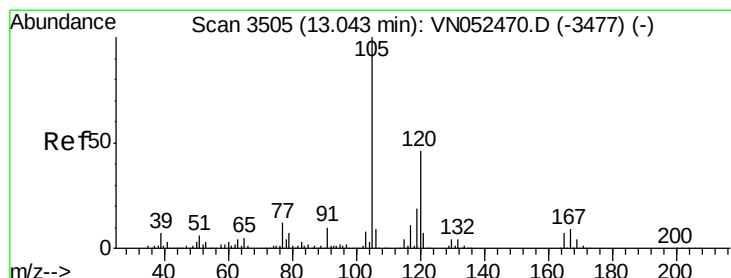
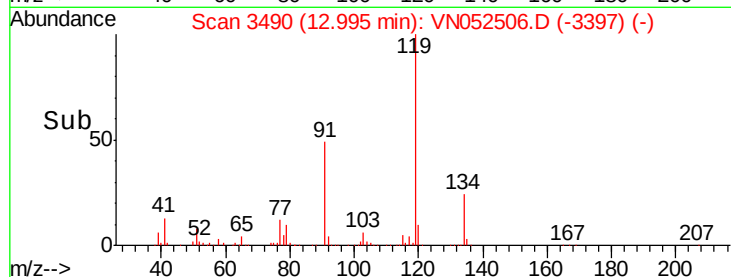
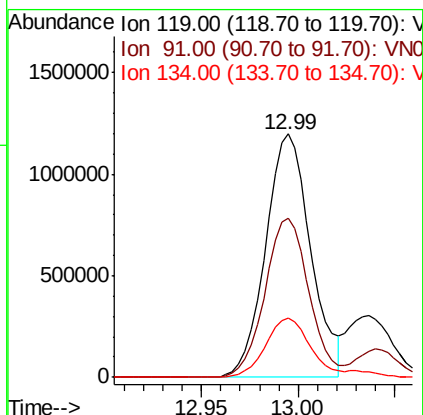
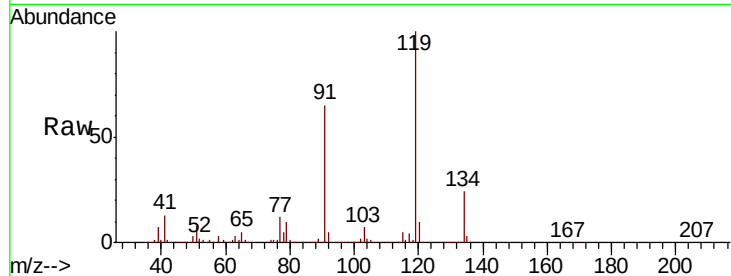
#83
 tert-Butylbenzene
 Concen: 47.584 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1947219
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.3 96.9
 134 24.2 13.0 38.9

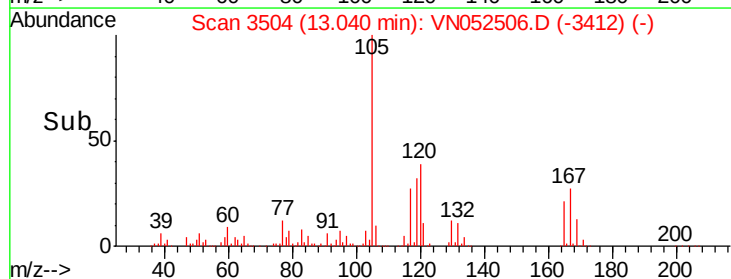
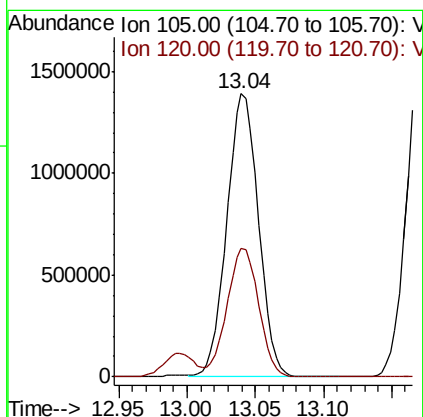
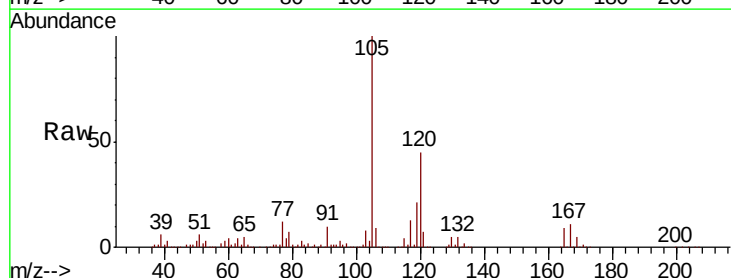
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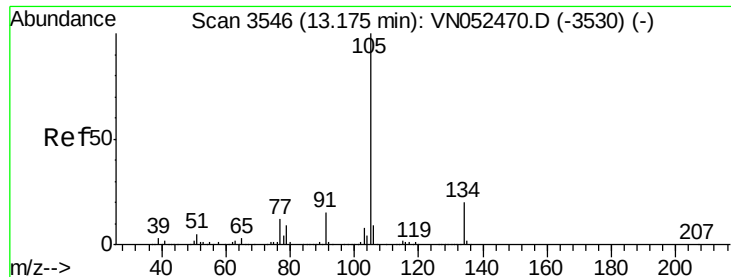
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.649 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion:105 Resp: 2237948
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 48.660 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 2712142

Ion Ratio Lower Upper

105 100

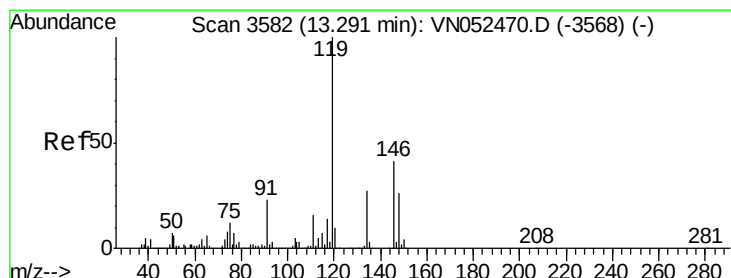
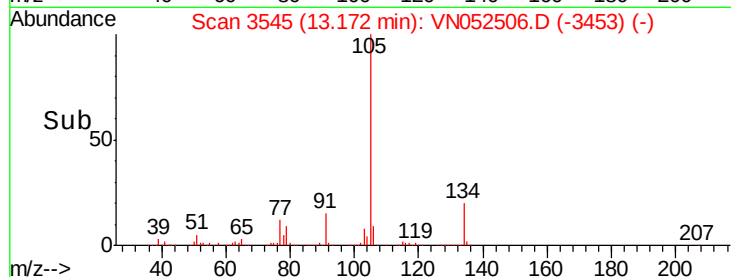
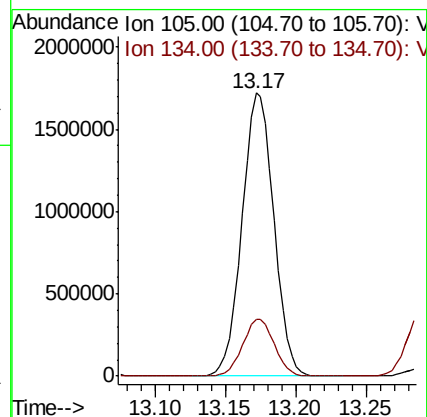
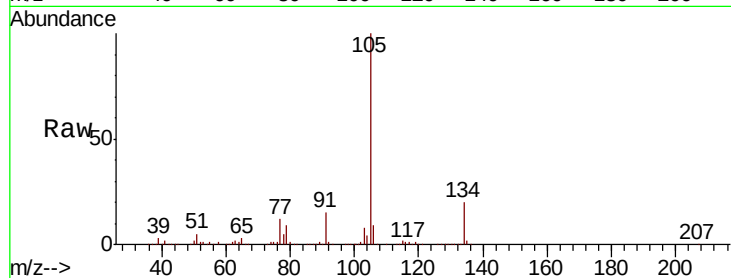
134 20.0 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 48.896 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

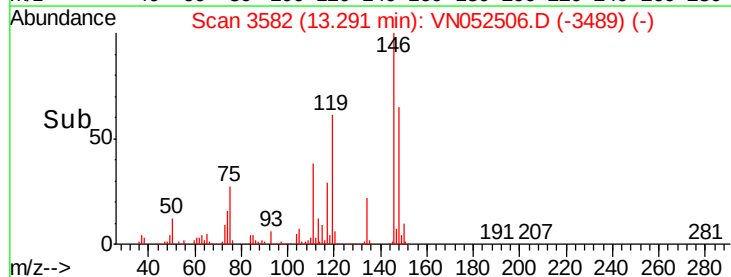
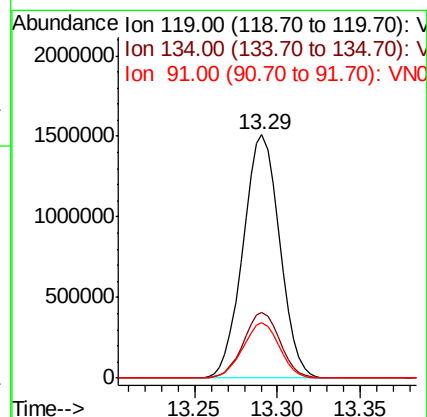
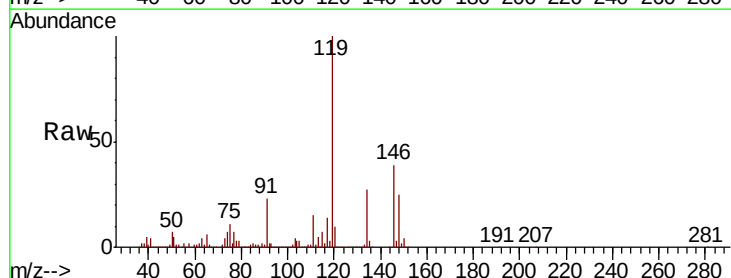
Tgt Ion:119 Resp: 2321228

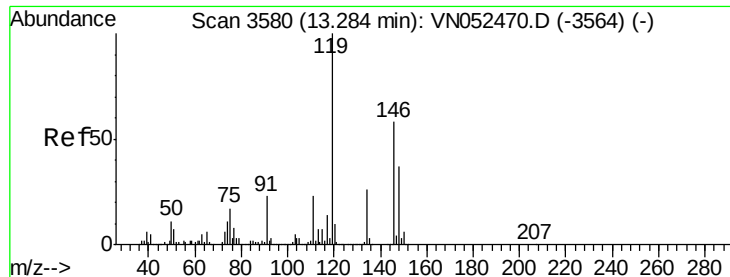
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.6 11.4 34.2





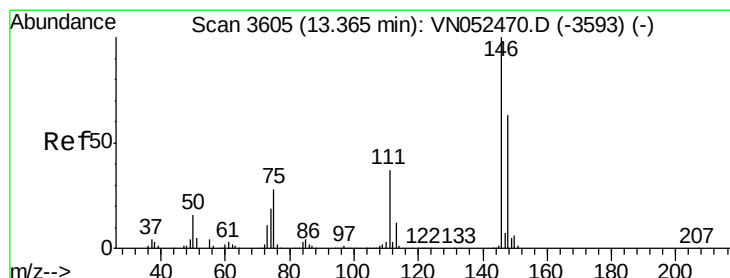
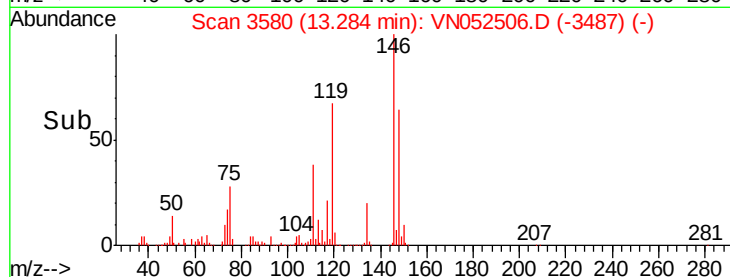
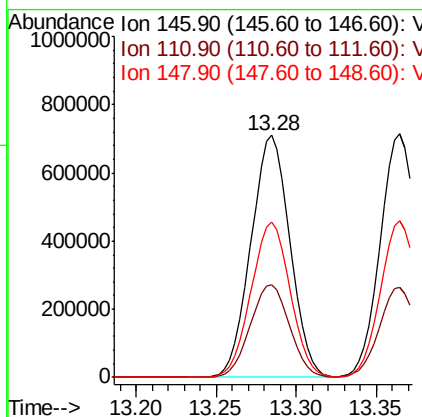
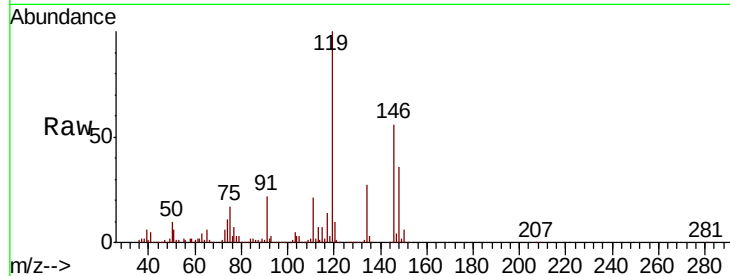
#87
 1,3-Dichlorobenzene
 Concen: 47.806 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.4
148	64.2	31.8	95.4

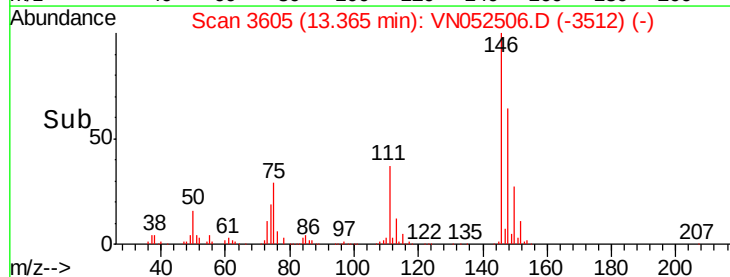
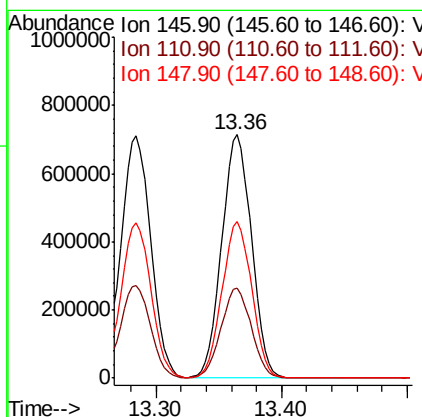
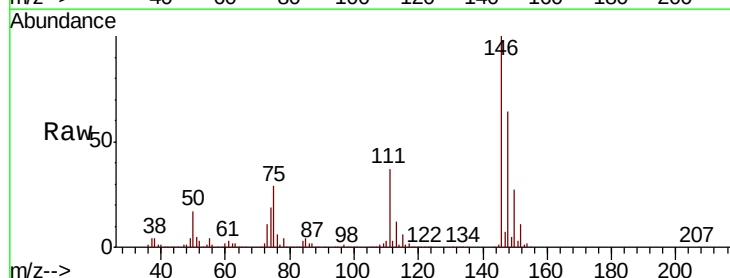
Manual Integrations
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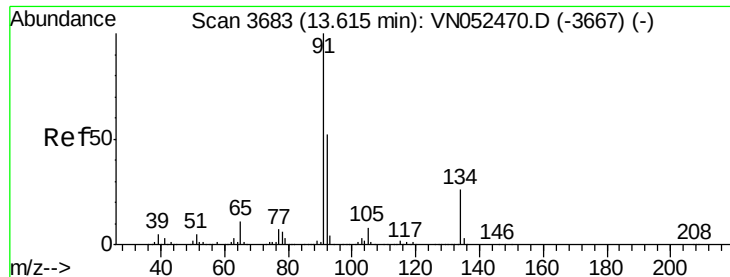
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#88
 1,4-Dichlorobenzene
 Concen: 47.995 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	56.0
148	64.1	31.9	95.9





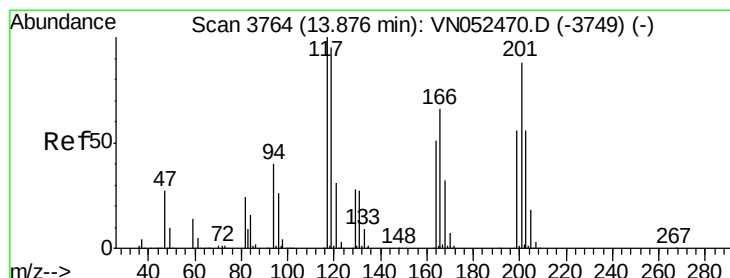
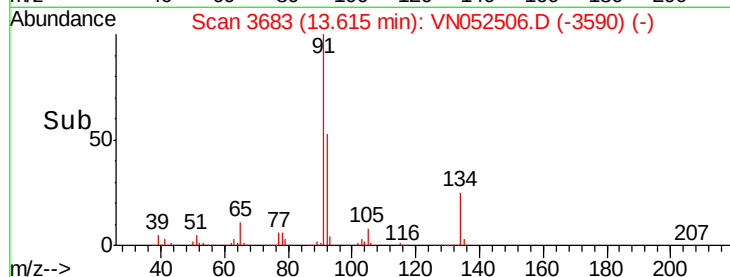
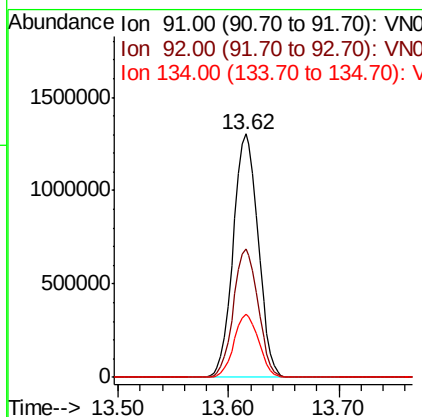
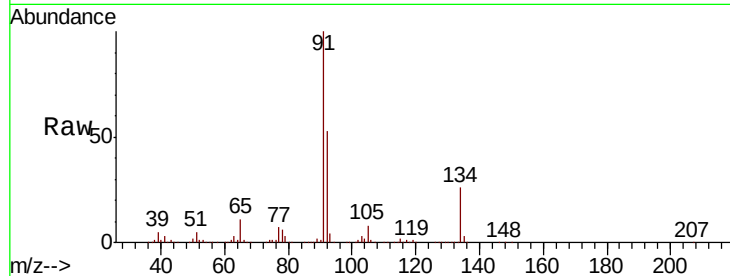
#89
n-Butylbenzene
Concen: 51.842 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2046743
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.3
134 25.7 13.0 38.9

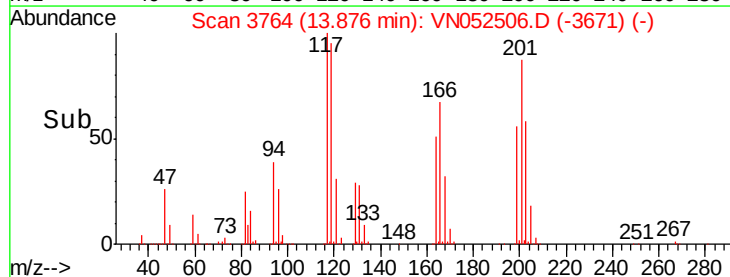
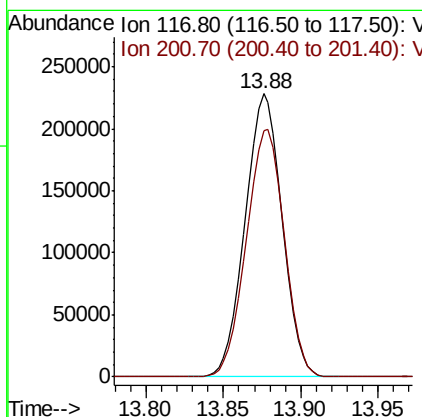
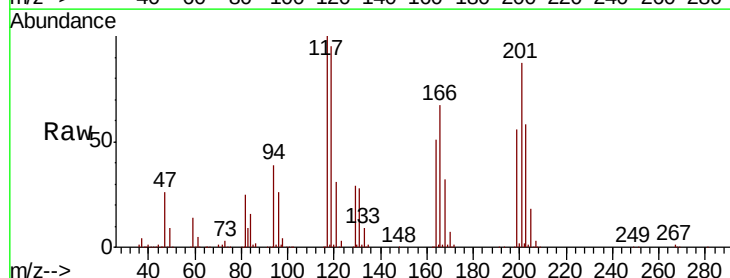
Manual Integrations
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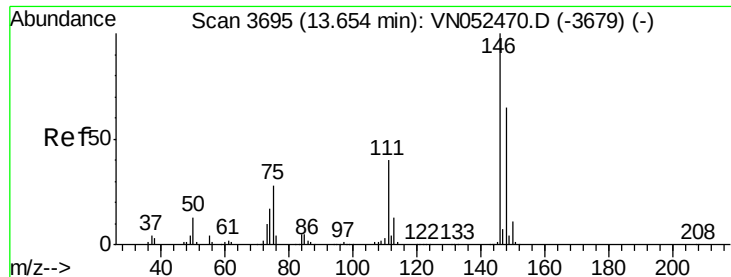
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#90
Hexachloroethane
Concen: 47.493 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion: 117 Resp: 381760
Ion Ratio Lower Upper
117 100
201 89.4 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 47.529 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 146 Resp: 1129968

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

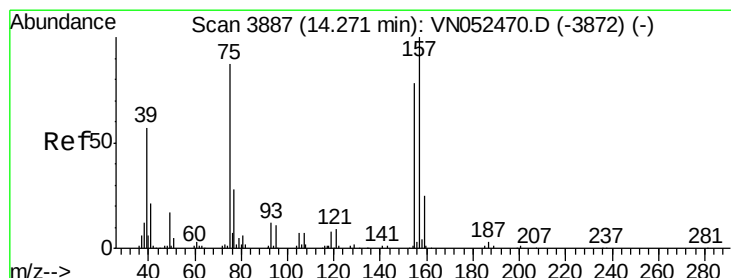
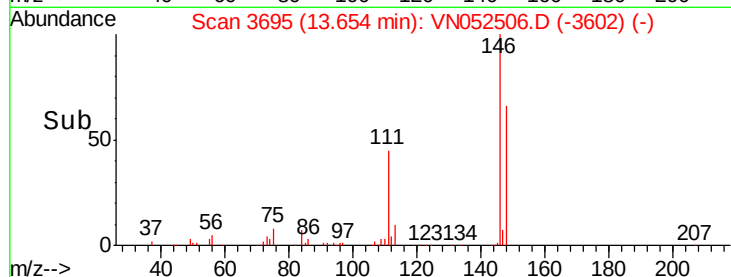
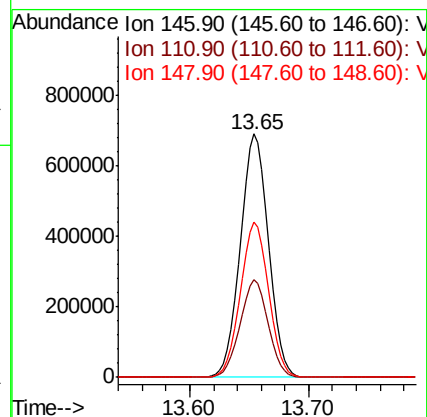
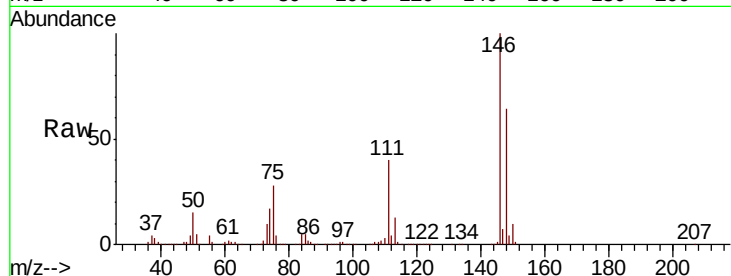
148 63.8 32.0 96.2

Manual Integrations

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.517 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052506.D

Acq: 28 Nov 2018 9:04

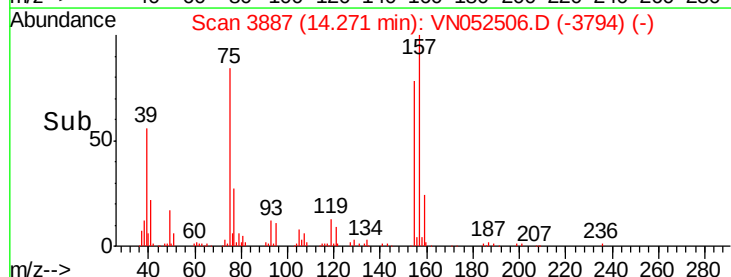
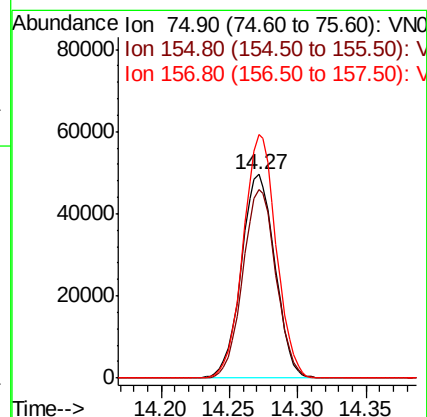
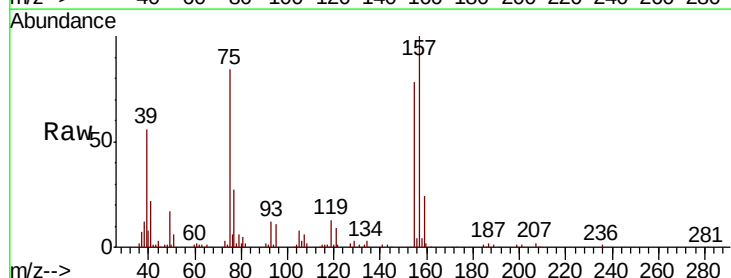
Tgt Ion: 75 Resp: 85231

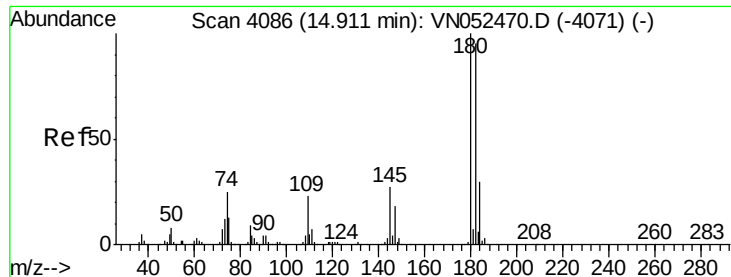
Ion Ratio Lower Upper

75 100

155 90.8 45.3 135.9

157 116.7 58.1 174.2





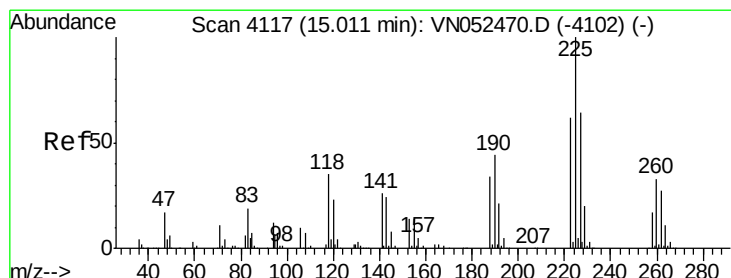
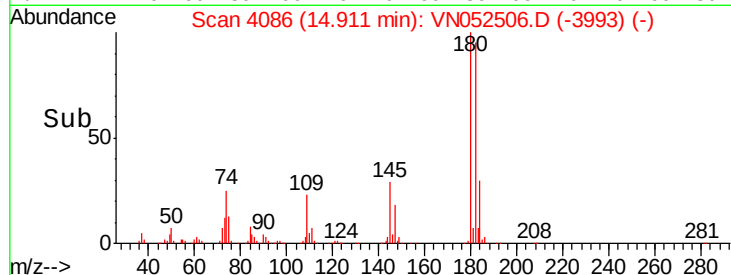
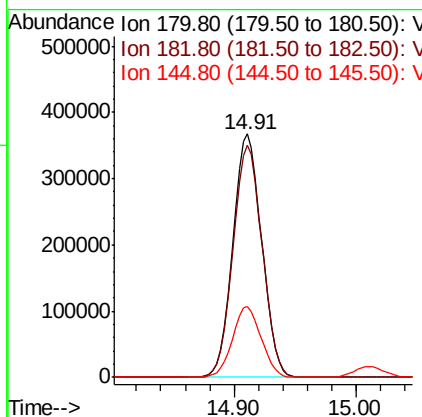
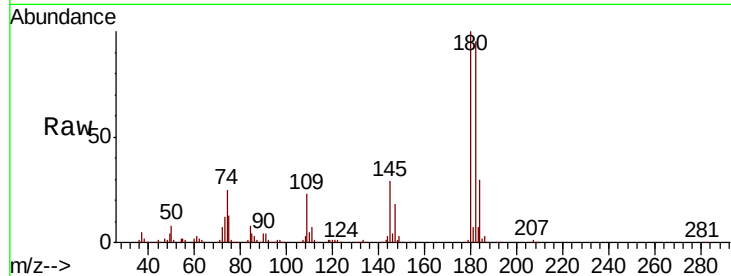
#93
 1,2,4-Trichlorobenzene
 Concen: 46.444 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	602096		
182	96.2	47.8	143.4	
145	29.0	14.1	42.3	

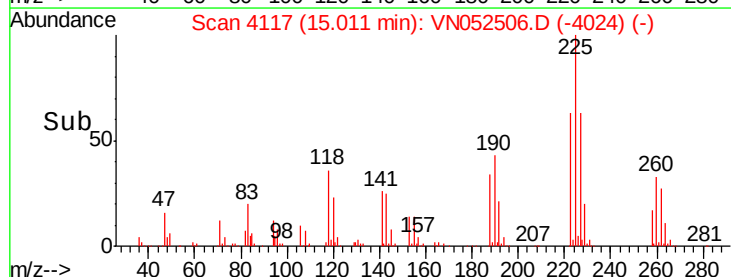
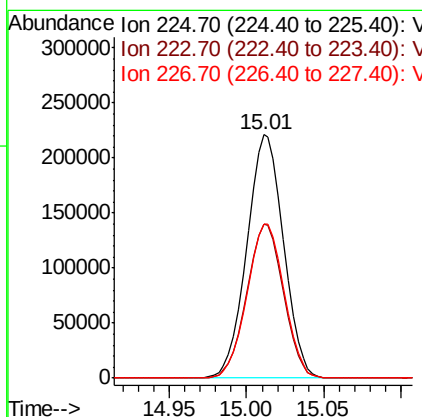
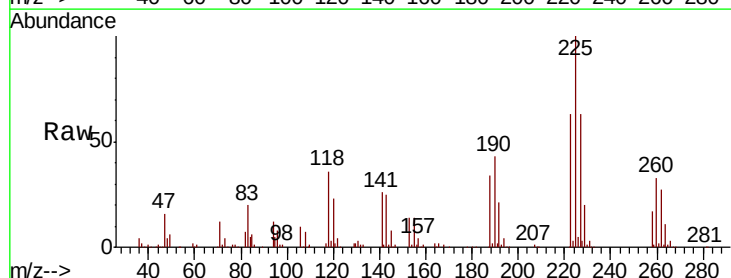
Manual Integrations
 APPROVED

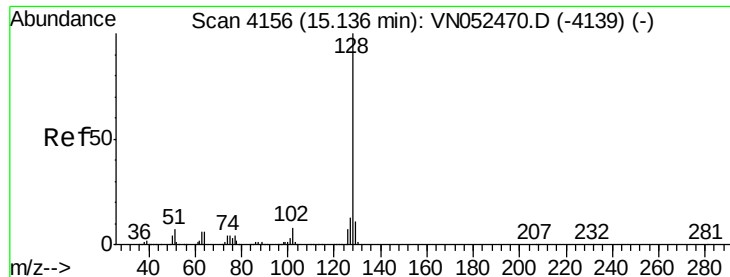
MMDadoda
 11/29/2018 9:33:58 AM



#94
 Hexachlorobutadiene
 Concen: 47.702 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052506.D
 Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	364836		
223	63.3	31.4	94.2	
227	64.2	32.5	97.4	





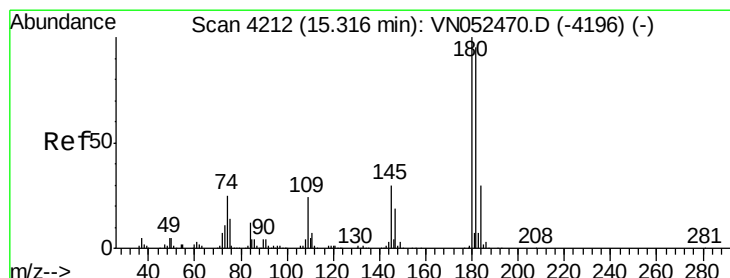
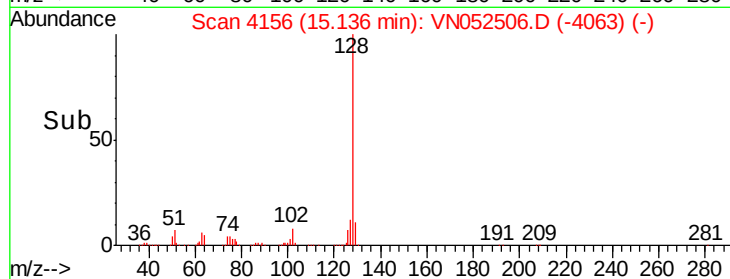
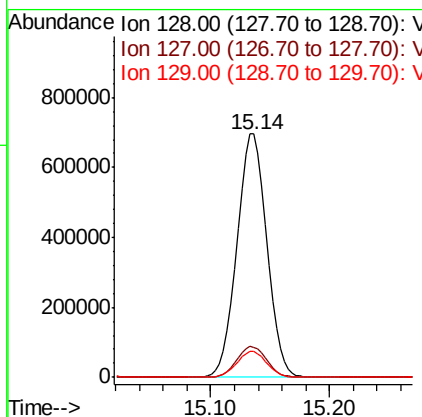
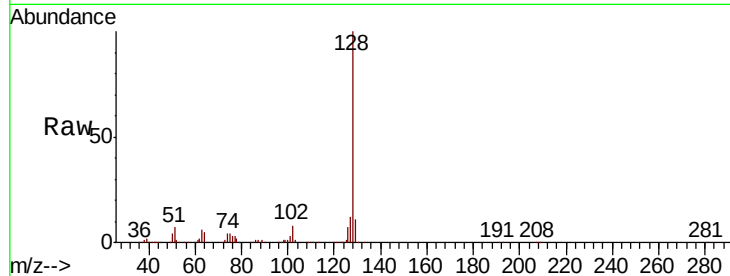
#95
Naphthalene
Concen: 44.358 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/29/2018 9:33:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.737 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052506.D
Acq: 28 Nov 2018 9:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.3	15.2	45.5

