

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054961.D
 Acq On : 5 Apr 2019 9:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:34:04 AM

Quant Time: Apr 05 23:40:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	441178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	623521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	290759	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.59	113	237992	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.09	98	897397	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	311297	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	271496	51.464	ug/l	100
3) Chloromethane	2.06	50	327573	46.964	ug/l	99
4) Vinyl Chloride	2.19	62	296445	48.644	ug/l	97
5) Bromomethane	2.57	94	160304	46.082	ug/l	97
6) Chloroethane	2.71	64	159808	47.017	ug/l	97
7) Trichlorofluoromethane	3.03	101	369006	49.870	ug/l	98
8) Diethyl Ether	3.41	74	112109	47.572	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	199333	50.846	ug/l	100
10) Methyl Iodide	3.95	142	272113	49.242	ug/l	100
11) Tert butyl alcohol	4.81	59	66402	221.216	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	187786	48.288	ug/l	99
13) Acrolein	3.61	56	105809	232.910	ug/l	99
14) Allyl chloride	4.32	41	434769	50.373	ug/l	100
15) Acrylonitrile	4.99	53	417035	231.684	ug/l	100
16) Acetone	3.82	43	432912	303.459	ug/l	99
17) Carbon Disulfide	4.04	76	625688	50.545	ug/l	100
18) Methyl Acetate	4.33	43	178589	46.924	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	596167	47.263	ug/l	99
20) Methylene Chloride	4.54	84	253381	46.934	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	239977	49.409	ug/l	97
22) Diisopropyl ether	5.96	45	880027	49.646	ug/l	100
23) Vinyl Acetate	5.90	43	3056129	247.768	ug/l	100
24) 1,1-Dichloroethane	5.85	63	471293	48.755	ug/l	99
25) 2-Butanone	6.84	43	556414	254.747	ug/l	100
26) 2,2-Dichloropropane	6.82	77	343937	50.755	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	273627	49.664	ug/l	98
28) Bromochloromethane	7.19	49	210757	46.540	ug/l	99
29) Tetrahydrofuran	7.22	42	331357	231.455	ug/l	99
30) Chloroform	7.37	83	451837	49.321	ug/l	99
31) Cyclohexane	7.65	56	464325	50.737	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	372017	48.122	ug/l	99
36) 1,1-Dichloropropene	7.79	75	354784	51.140	ug/l	99
37) Ethyl Acetate	6.93	43	232182	48.769	ug/l	99
38) Carbon Tetrachloride	7.77	117	328661	49.055	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	411456	53.910	ug/l	99
40) Benzene	8.04	78	1021557	51.174	ug/l	99
41) Methacrylonitrile	7.18	41	139107	51.100	ug/l	97
42) 1,2-Dichloroethane	8.12	62	351168	50.061	ug/l	100
43) Isopropyl Acetate	8.17	43	394438	49.159	ug/l	100
44) Trichloroethene	8.83	130	267454	52.399	ug/l	99
45) 1,2-Dichloropropane	9.12	63	284029	51.065	ug/l	99
46) Dibromomethane	9.21	93	160005	50.729	ug/l	98
47) Bromodichloromethane	9.40	83	342807	51.746	ug/l	99
48) Methyl methacrylate	9.20	41	200604	49.387	ug/l	99
49) 1,4-Dioxane	9.20	88	40478	987.320	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1100085	245.765	ug/l	100
52) Toluene	10.15	92	616002	52.351	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	331107	48.396	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	406466	54.513	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	215341	50.476	ug/l	98
56) Ethyl methacrylate	10.43	69	279834	50.169	ug/l	98
57) 1,3-Dichloropropane	10.71	76	376802	50.573	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	573962	232.374	ug/l	99
59) 2-Hexanone	10.75	43	726506	259.849	ug/l	100
60) Dibromochloromethane	10.90	129	232893	52.118	ug/l	99
61) 1,2-Dibromoethane	11.00	107	206545	51.492	ug/l	100
64) Tetrachloroethene	10.63	164	261134	51.928	ug/l	99
65) Chlorobenzene	11.43	112	646205	50.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	240173	51.614	ug/l	99
67) Ethyl Benzene	11.51	91	1187758	51.833	ug/l	100
68) m/p-Xylenes	11.62	106	884801	105.624	ug/l	99
69) o-Xylene	11.95	106	422902	51.757	ug/l	100
70) Styrene	11.96	104	715958	54.628	ug/l	99
71) Bromoform	12.13	173	141818	50.705	ug/l #	98
73) Isopropylbenzene	12.25	105	1143559	47.536	ug/l	100
74) N-amyl acetate	12.07	43	324579	48.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	255748	48.709	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204446m	46.378	ug/l	
77) Bromobenzene	12.53	156	278340	47.776	ug/l	98
78) n-propylbenzene	12.59	91	1319771	49.795	ug/l	99
79) 2-Chlorotoluene	12.67	91	779689	47.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	966069	48.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62733	50.884	ug/l	94
82) 4-Chlorotoluene	12.77	91	781879	50.325	ug/l	99
83) tert-Butylbenzene	12.99	119	811108	48.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	957228	50.077	ug/l	99
85) sec-Butylbenzene	13.17	105	1067190	49.092	ug/l	99
86) p-Isopropyltoluene	13.29	119	967693	51.664	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	485590	50.107	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	467650	50.689	ug/l	99
89) n-Butylbenzene	13.61	91	834384	55.741	ug/l	99
90) Hexachloroethane	13.87	117	157775	50.146	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	469087	49.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37404	45.423	ug/l	100

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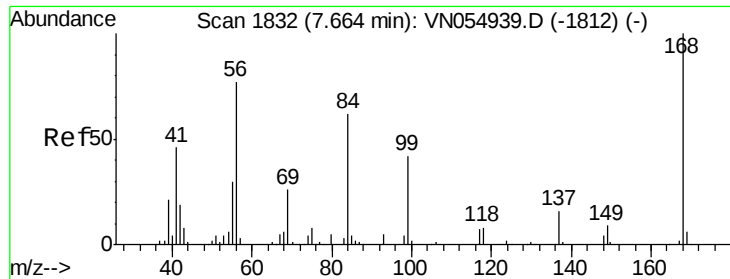
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	242101	48.779	ug/l	100
94) Hexachlorobutadiene	15.01	225	159617	50.143	ug/l	99
95) Naphthalene	15.13	128	470294	43.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	229179	52.451	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 441178

Ion Ratio Lower Upper

168 100

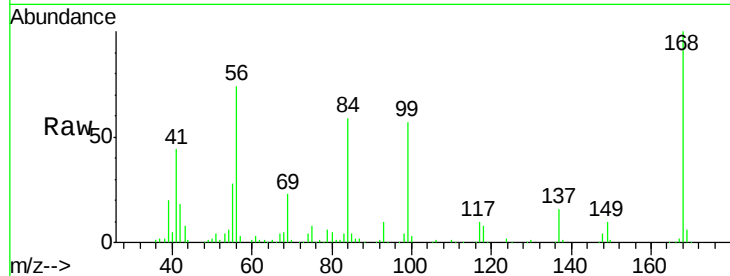
99 55.9 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

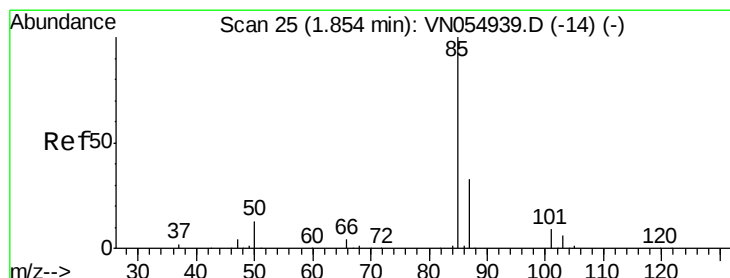
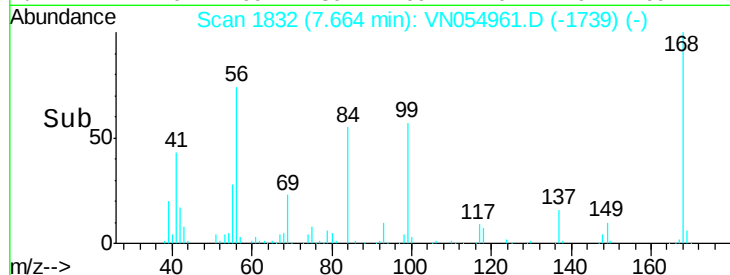
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.464 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054961.D

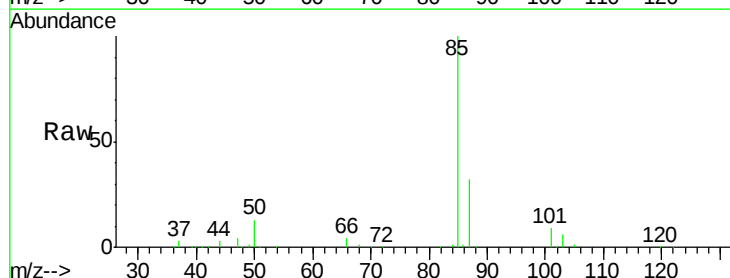
Acq: 5 Apr 2019 9:02

Tgt Ion: 85 Resp: 271496

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

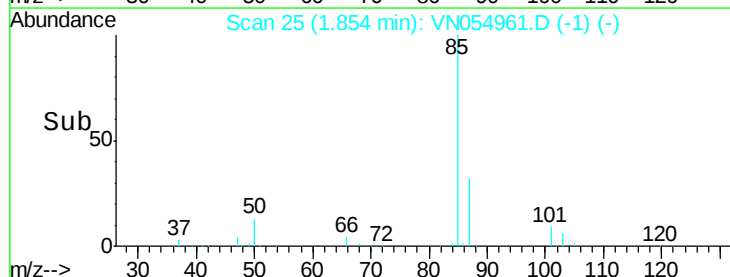
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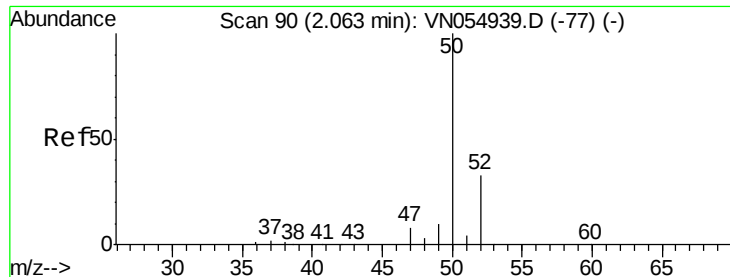
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50000

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Time-->





#3

Chloromethane

Concen: 46.964 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 327573

Ion Ratio Lower Upper

50 100

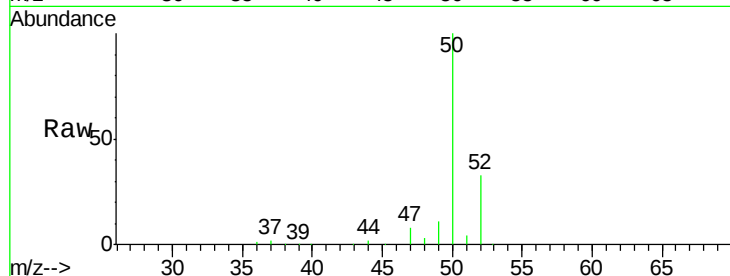
52 33.3 26.2 39.4

Manual Integrations

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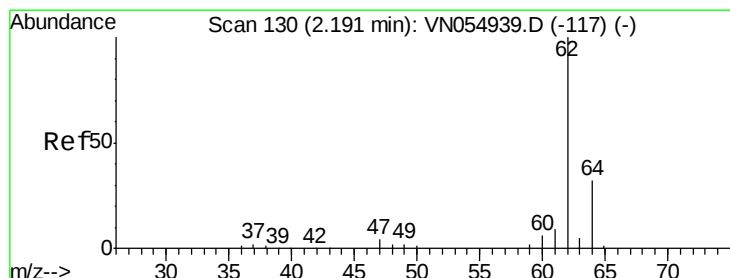
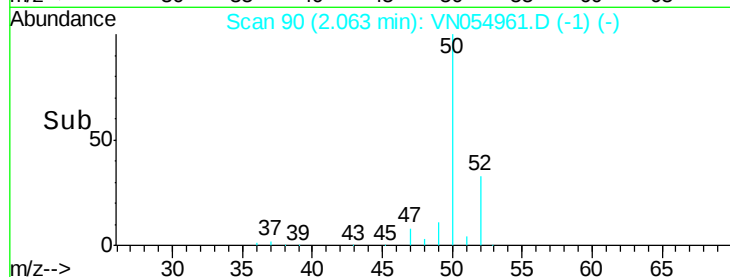
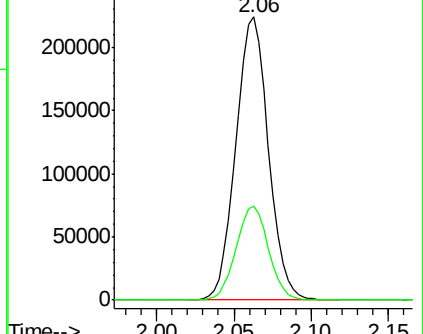
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.644 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054961.D

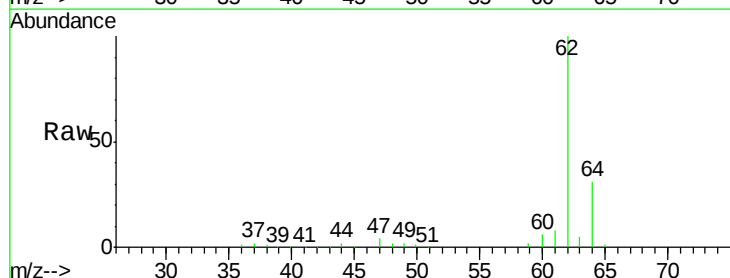
Acq: 5 Apr 2019 9:02

Tgt Ion: 62 Resp: 296445

Ion Ratio Lower Upper

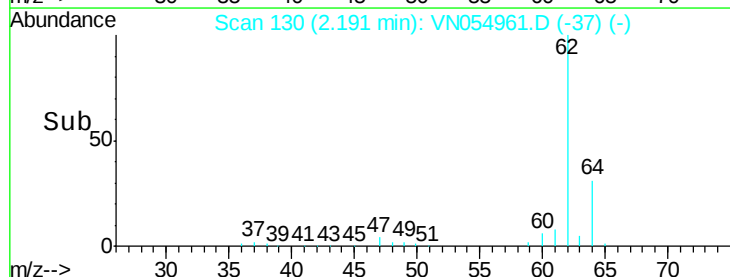
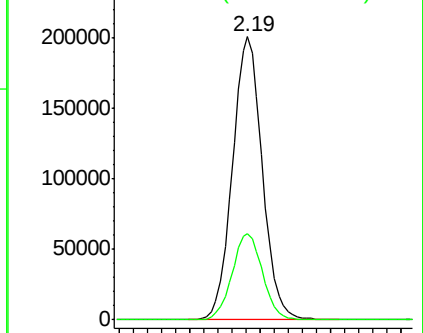
62 100

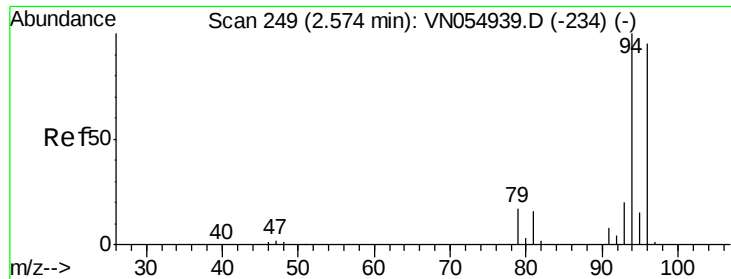
64 30.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.082 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

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Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 160304

Ion Ratio Lower Upper

94 100

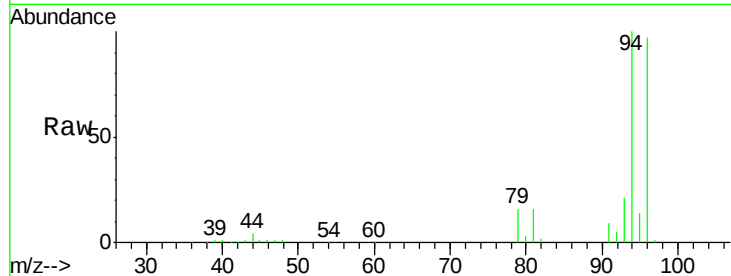
96 97.5 75.7 113.5

Manual Integrations

APPROVED

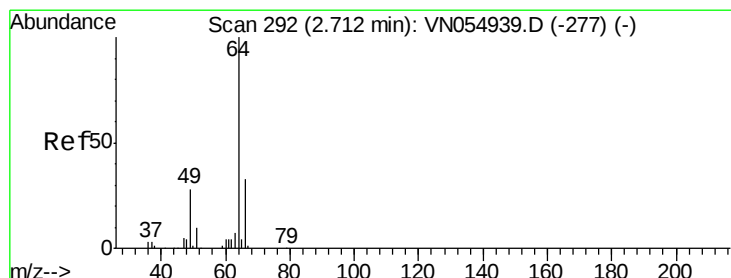
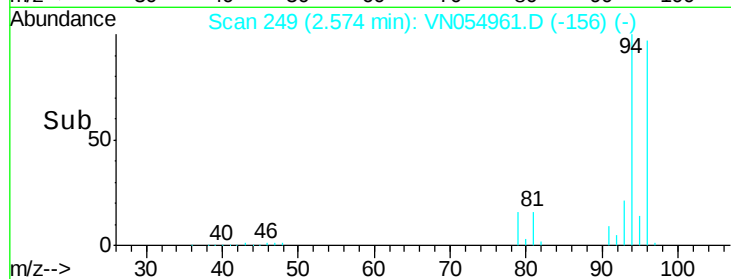
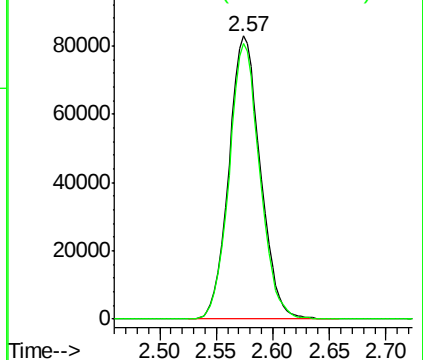
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4/8/2019 3:34:04 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.017 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN054961.D

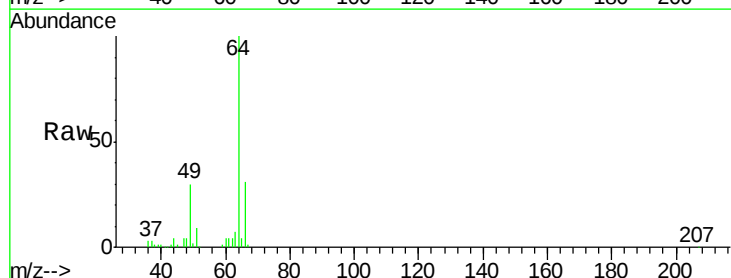
Acq: 5 Apr 2019 9:02

Tgt Ion: 64 Resp: 159808

Ion Ratio Lower Upper

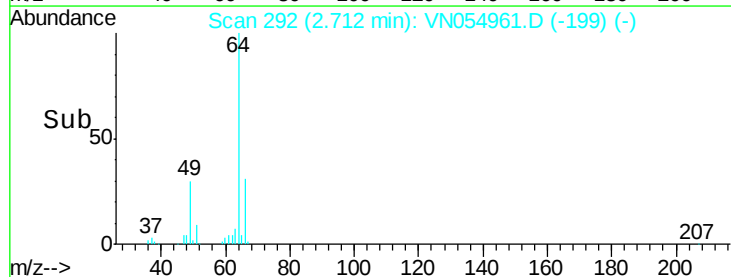
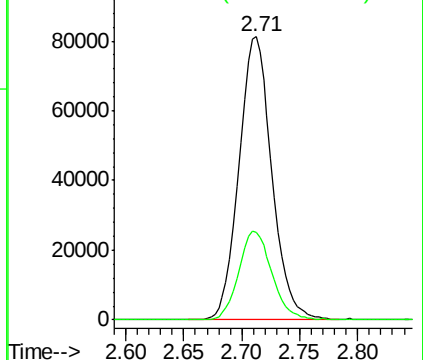
64 100

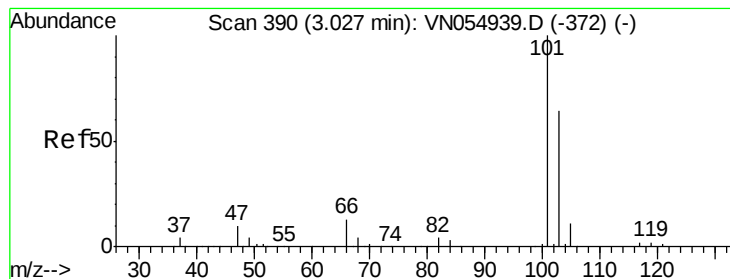
66 30.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

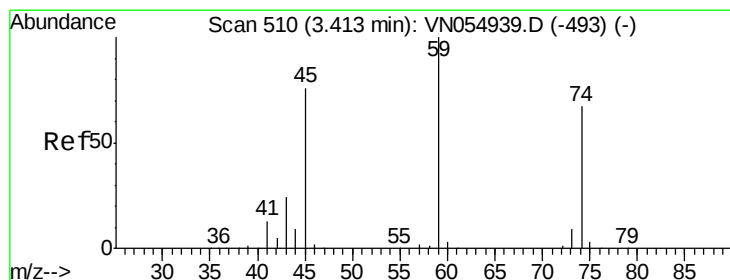
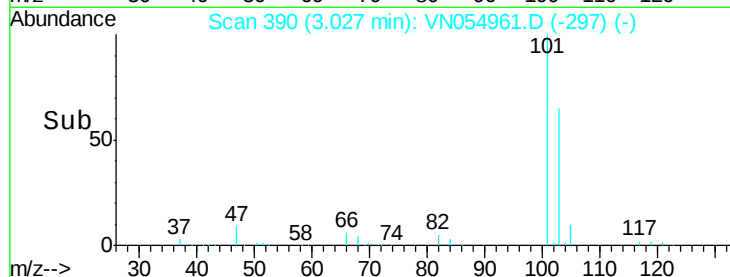
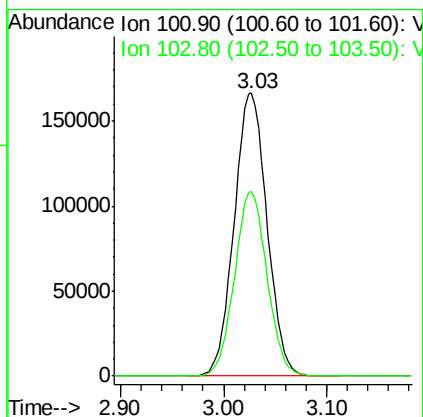
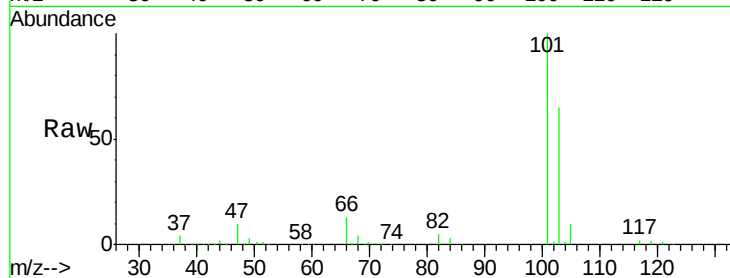
Trichlorofluoromethane
Concen: 49.870 ug/l
RT: 3.03 min Scan# 390
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.3	76.9

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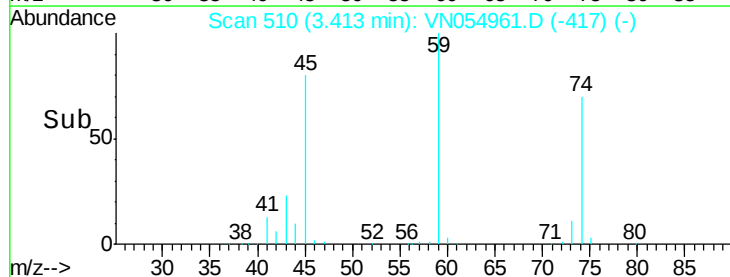
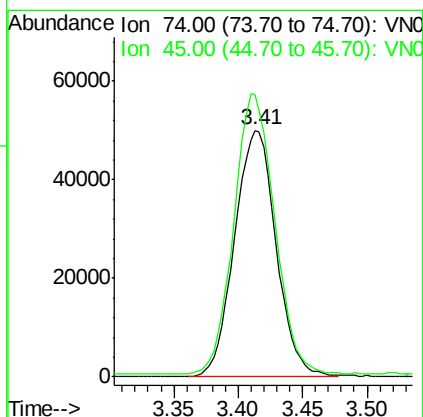
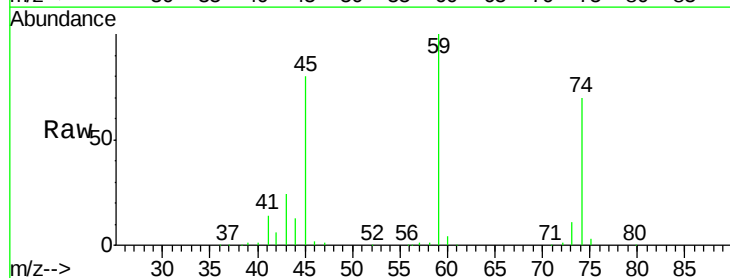
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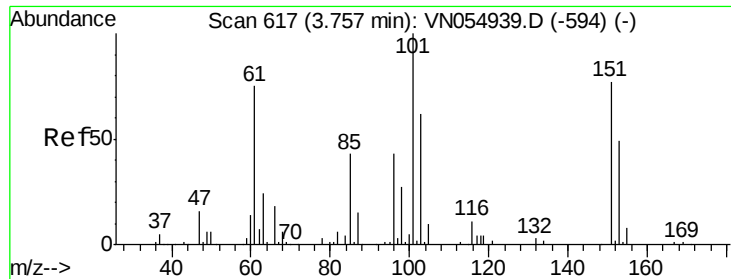


#8

Diethyl Ether
Concen: 47.572 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.1	56.3	168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.846 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

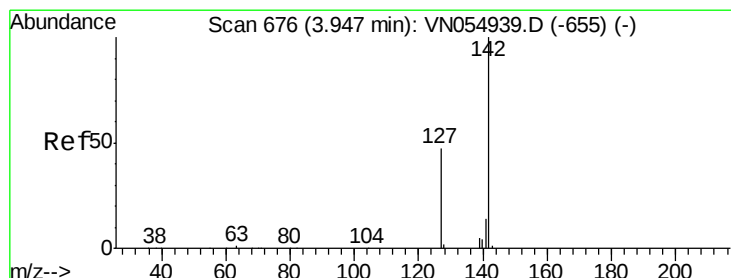
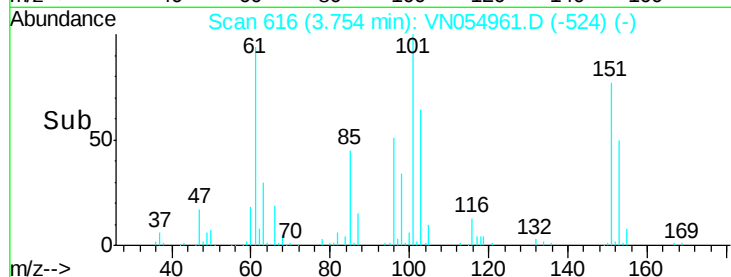
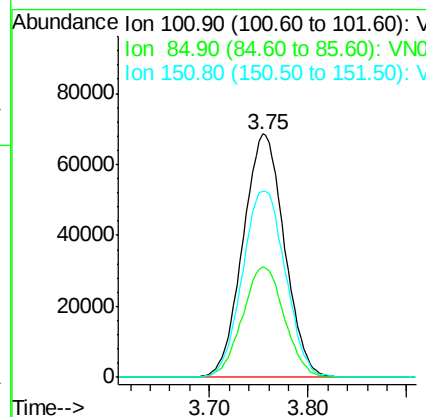
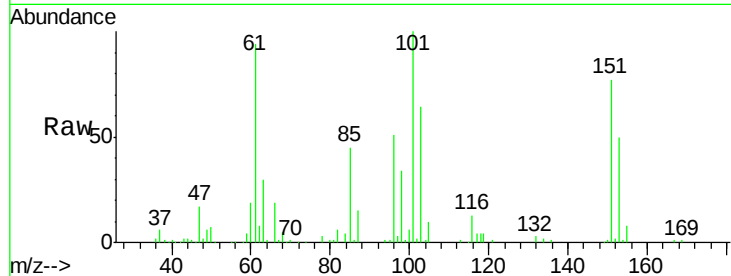
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	199333
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.2	54.2
151	79.3	63.4	95.0

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#10

Methyl Iodide

Concen: 49.242 ug/l

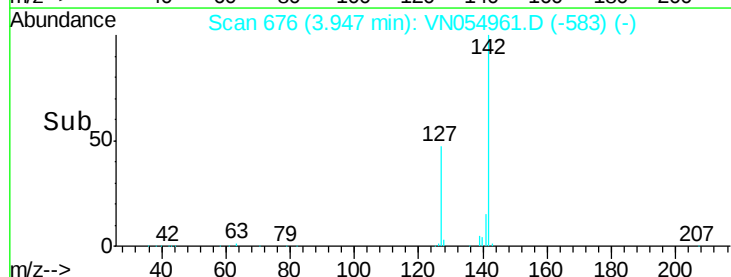
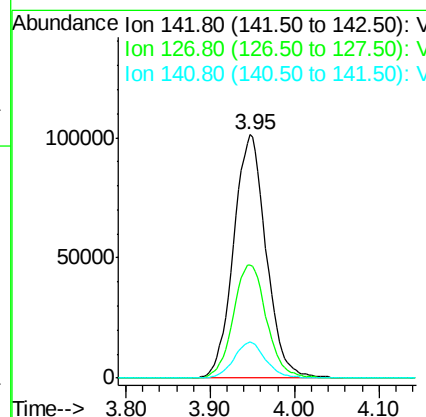
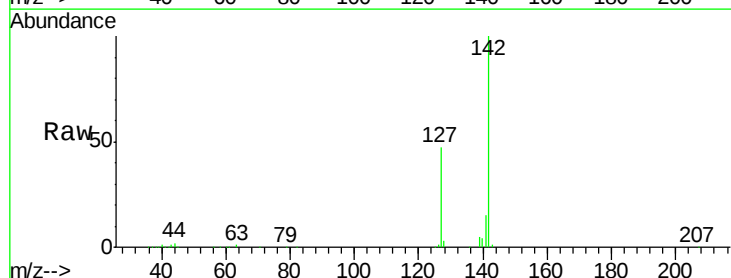
RT: 3.95 min Scan# 676

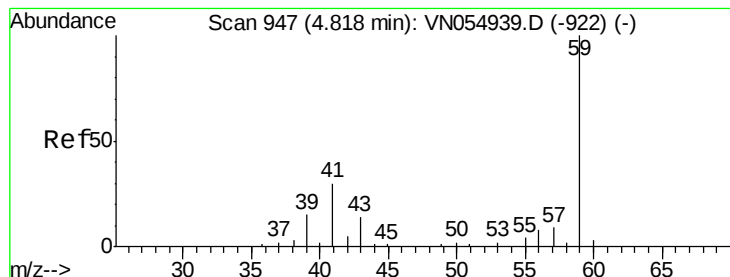
Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion:	142	Resp:	272113
Ion Ratio	Lower	Upper	
142	100		
127	47.7	38.0	57.0
141	14.4	11.7	17.5





#11

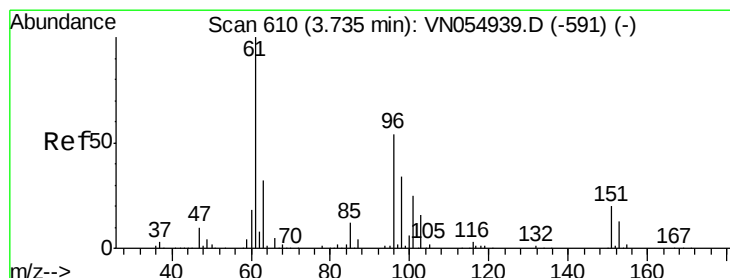
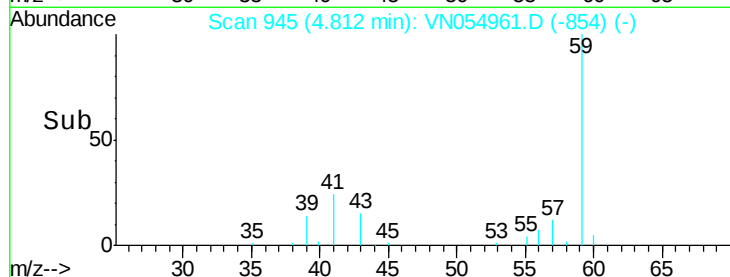
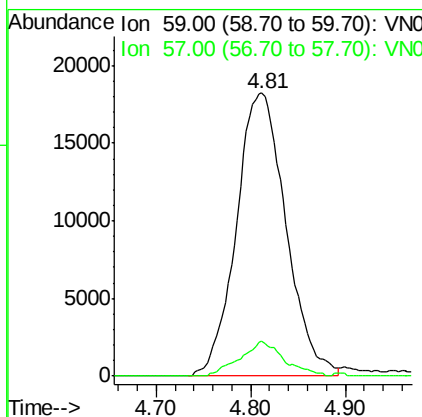
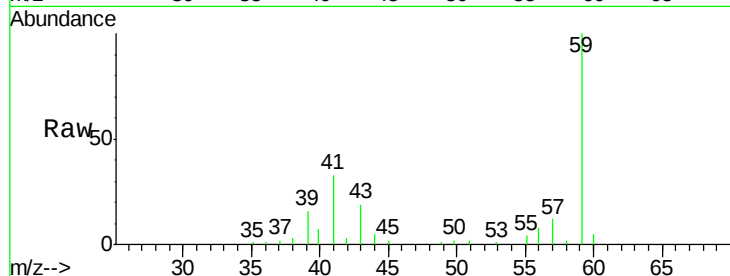
Tert butyl alcohol
 Concen: 221.216 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	10.9	Resp	66402	Lower	5.0	Upper	7.4#
Ion	59	57	Ratio	100	10.9	Resp	66402	Lower	5.0	Upper	7.4#

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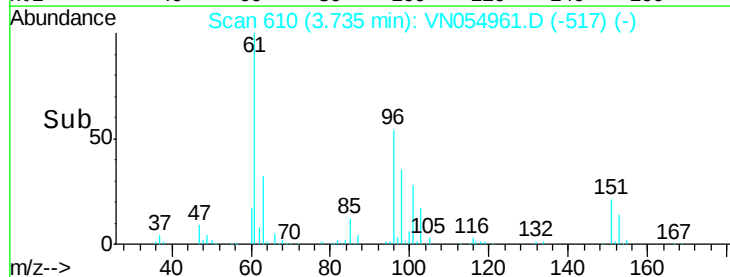
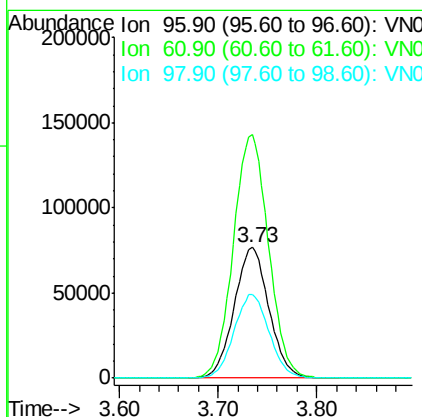
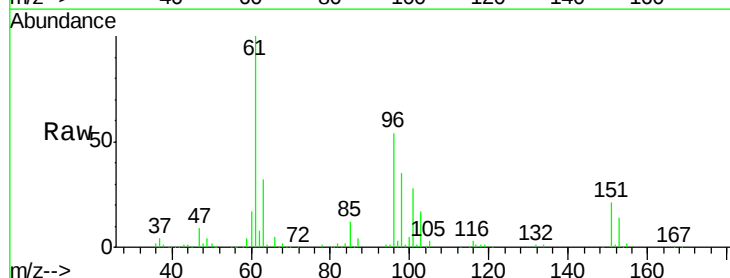
MMDadoda
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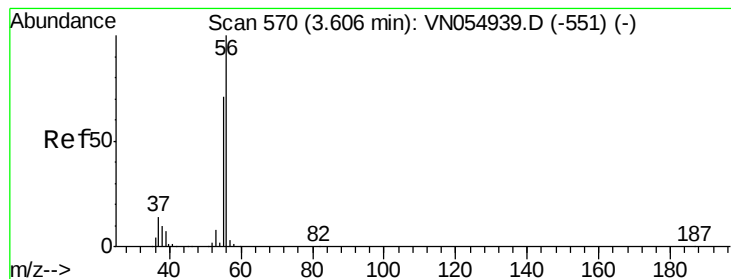


#12

1,1-Dichloroethene
 Concen: 48.288 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion	96	61	98	Ratio	100	186.5	64.6	Resp	187786	Lower	148.2	50.2	Upper	222.2	75.4
Ion	96	61	98	Ratio	100	186.5	64.6	Resp	187786	Lower	148.2	50.2	Upper	222.2	75.4





#13

Acrolein

Concen: 232.910 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 105809

Ion Ratio Lower Upper

56 100

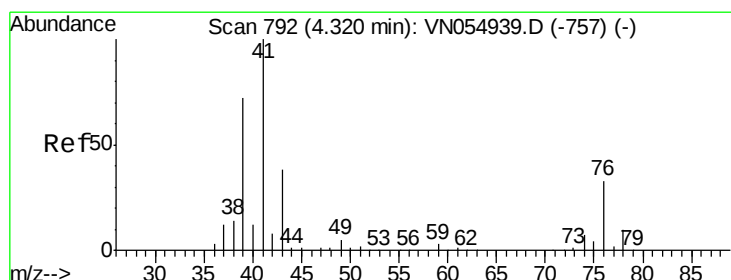
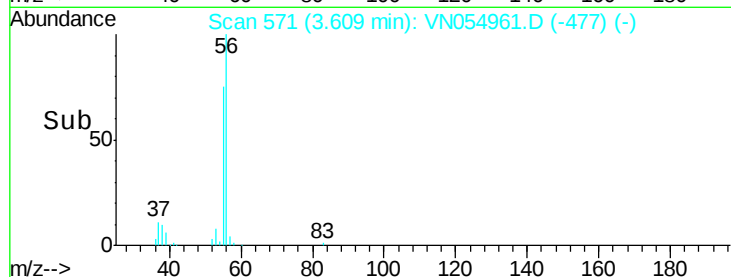
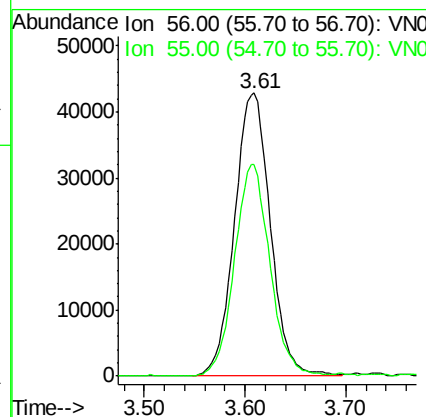
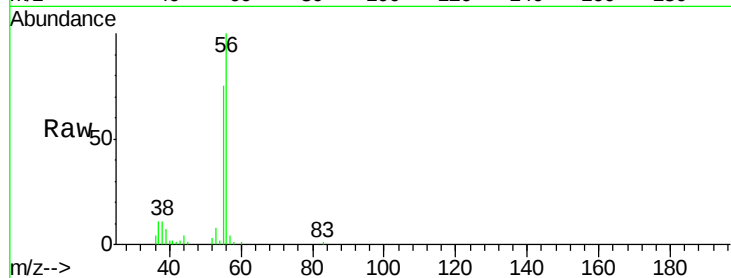
55 73.8 58.6 87.8

Manual Integrations

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#14

Allyl chloride

Concen: 50.373 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

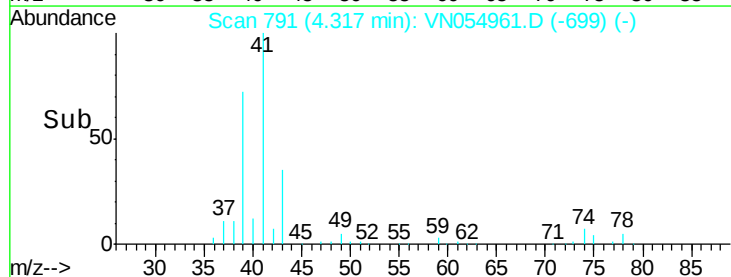
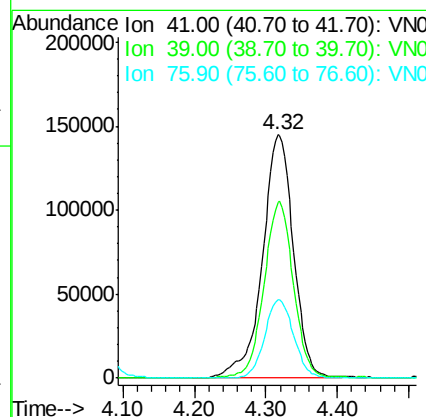
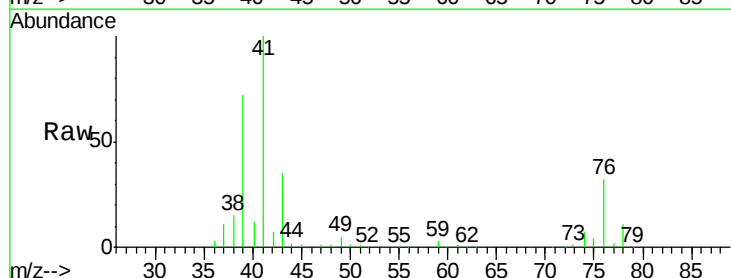
Tgt Ion: 41 Resp: 434769

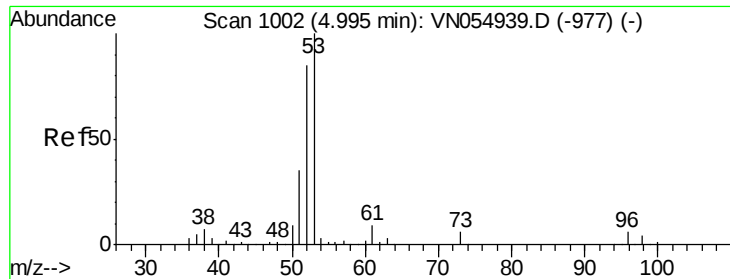
Ion Ratio Lower Upper

41 100

39 69.4 55.4 83.2

76 29.8 23.8 35.8





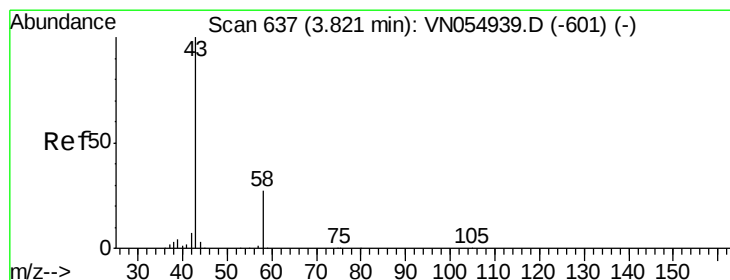
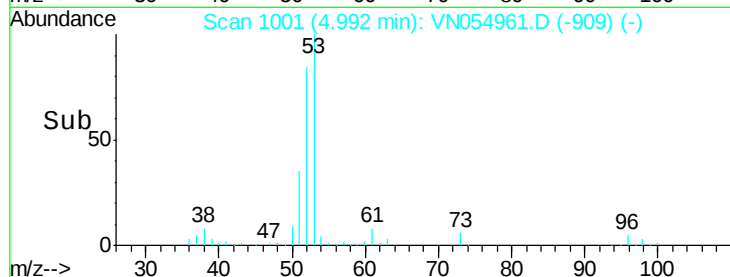
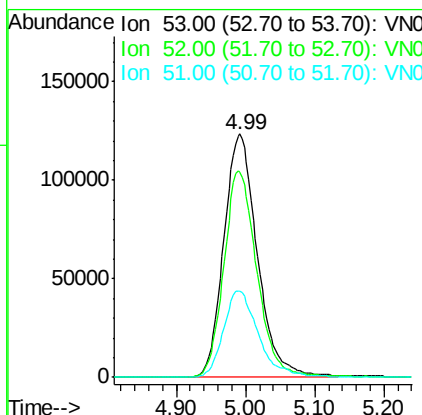
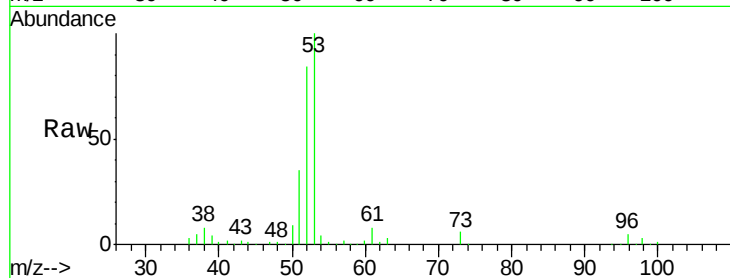
#15
 Acrylonitrile
 Concen: 231.684 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.9	29.5	44.3

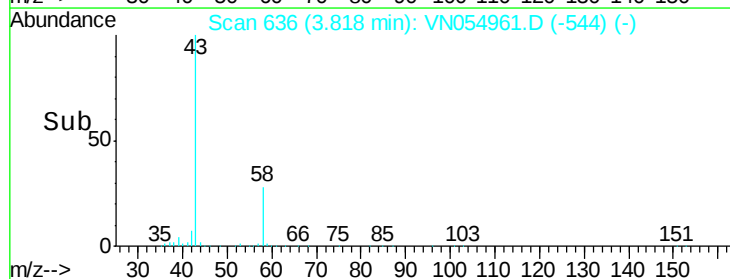
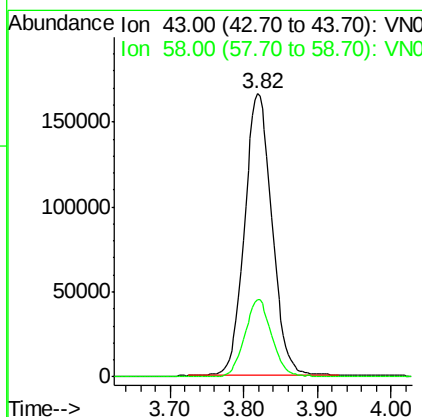
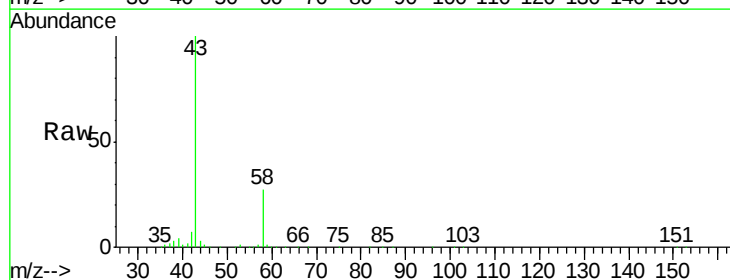
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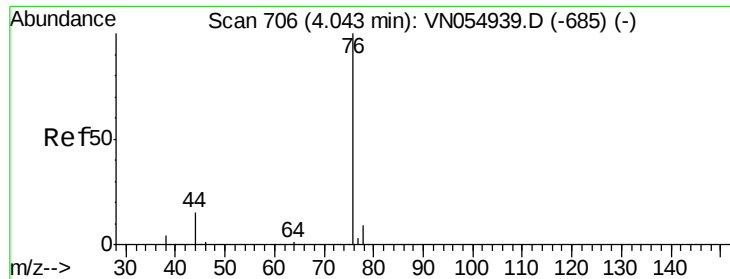
MMDadoda
 4/8/2019 3:34:04 AM



#16
 Acetone
 Concen: 303.459 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.7	32.5





#17

Carbon Disulfide

Concen: 50.545 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 625688

Ion Ratio Lower Upper

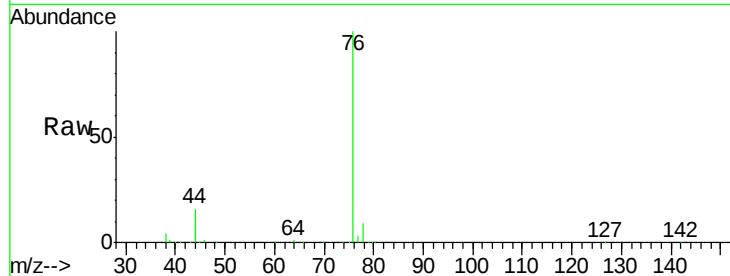
76 100

78 9.0 7.1 10.7

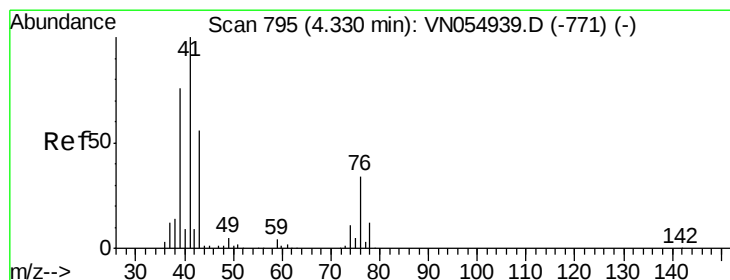
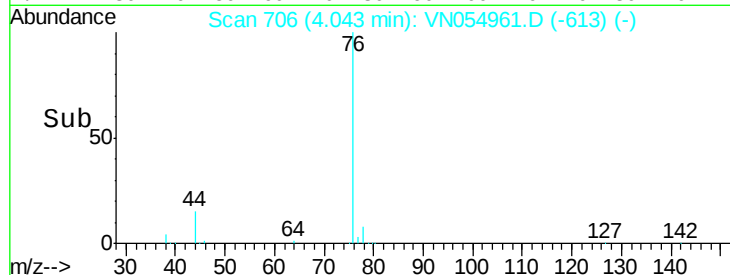
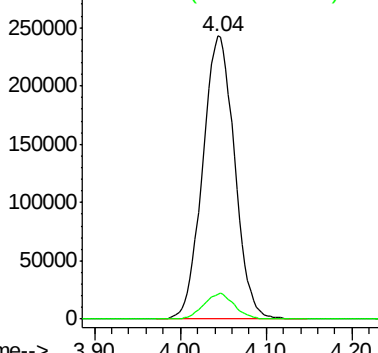
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 46.924 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054961.D

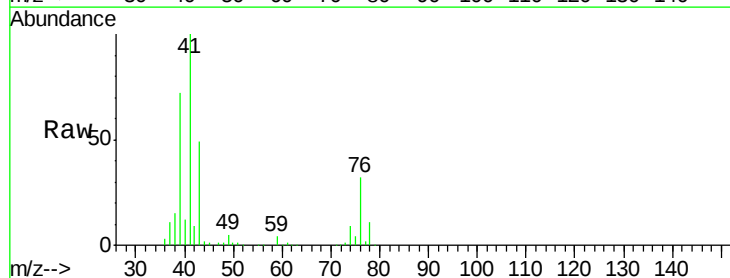
Acq: 5 Apr 2019 9:02

Tgt Ion: 43 Resp: 178589

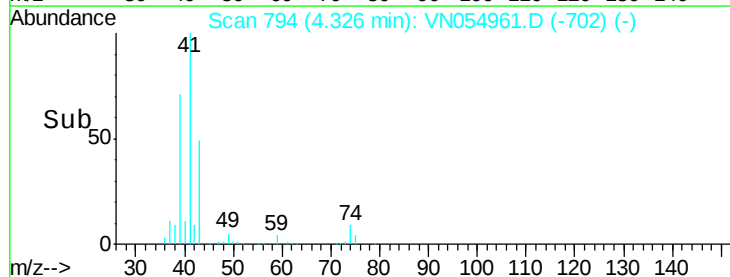
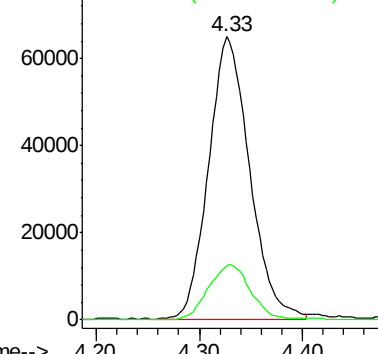
Ion Ratio Lower Upper

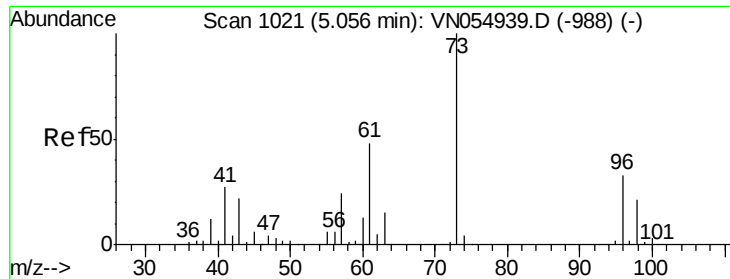
43 100

74 20.1 16.4 24.6



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





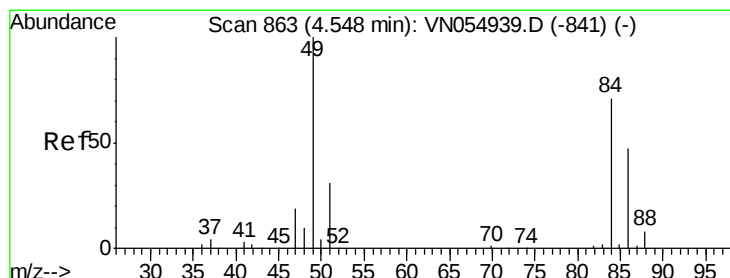
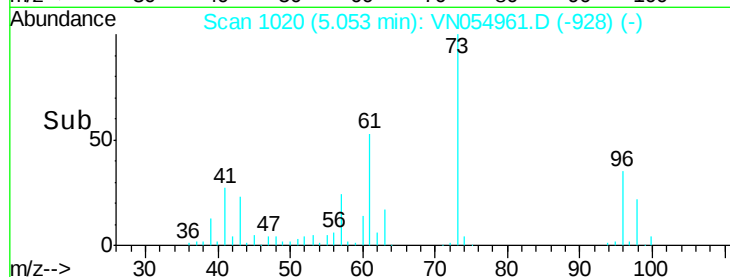
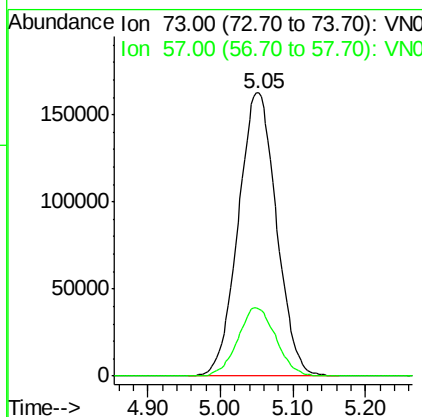
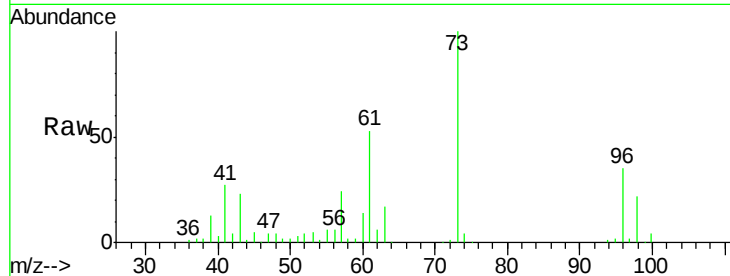
#19
Methvl tert-butvl Ether
Concen: 47.263 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 596167
Ion Ratio Lower Upper
73 100
57 23.8 19.5 29.3

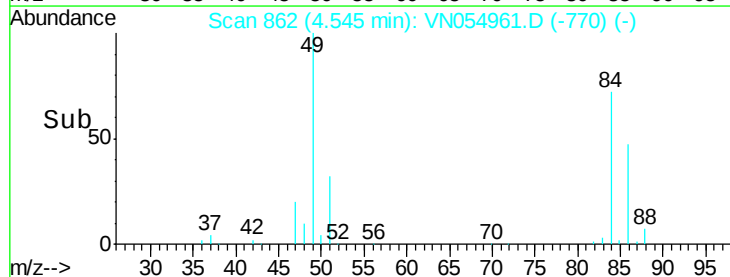
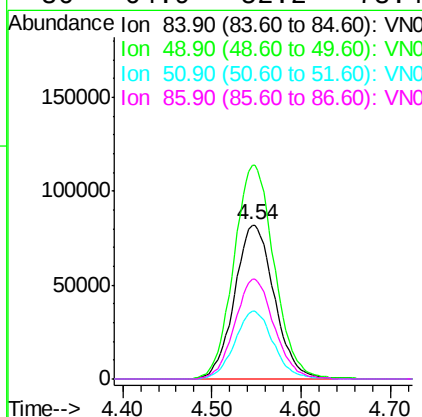
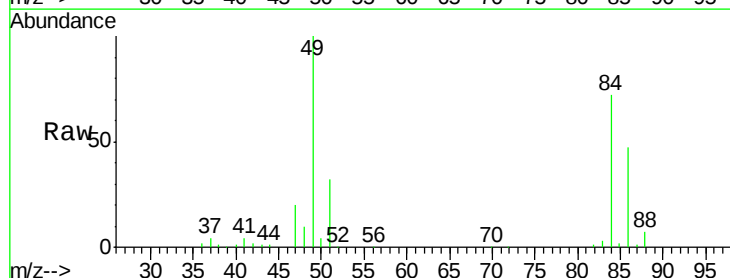
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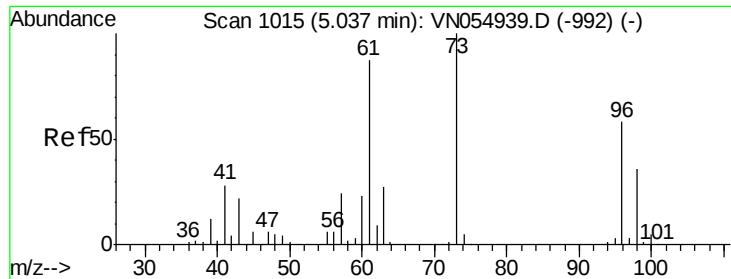
MMDadoda
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#20
Methylene Chloride
Concen: 46.934 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 84 Resp: 253381
Ion Ratio Lower Upper
84 100
49 138.8 112.1 168.1
51 44.2 34.5 51.7
86 64.9 52.2 78.4





#21

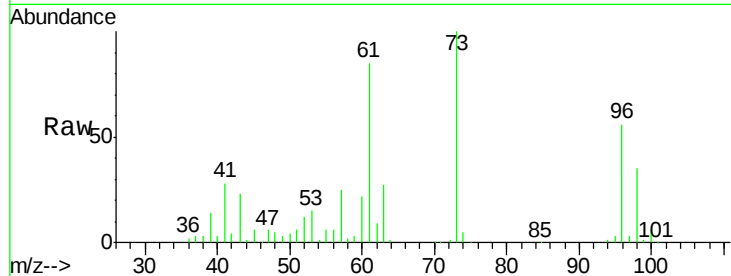
trans-1,2-Dichloroethene
Concen: 49.409 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.5	120.1	180.1
98	63.8	49.3	73.9

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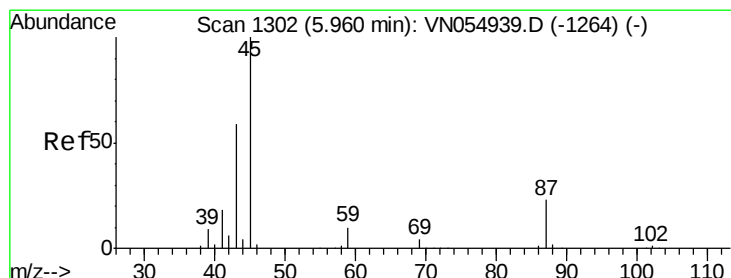
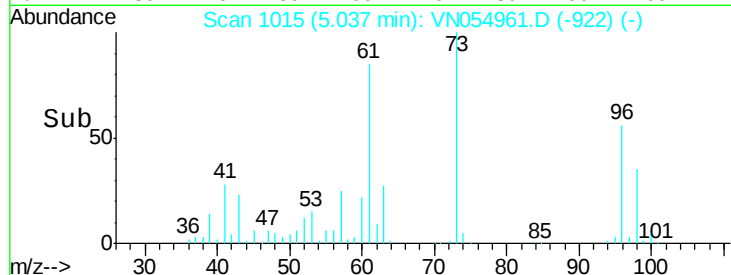
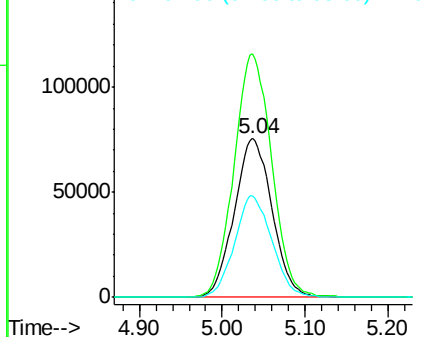


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 49.646 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.9	70.3
87	23.2	18.6	28.0
59	10.5	8.5	12.7

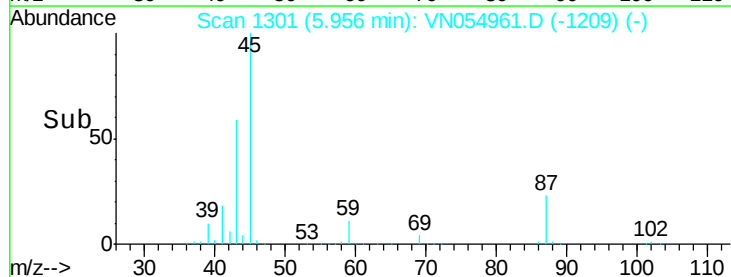
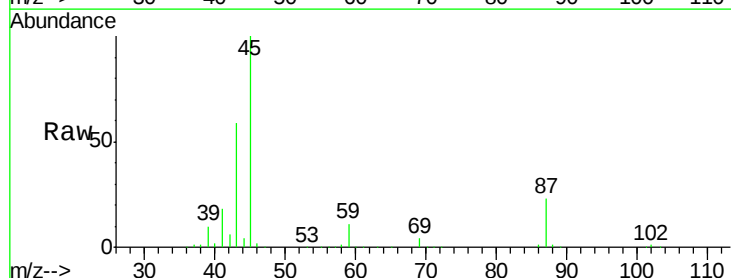
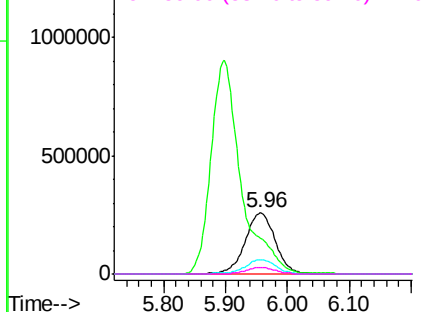
Abundance

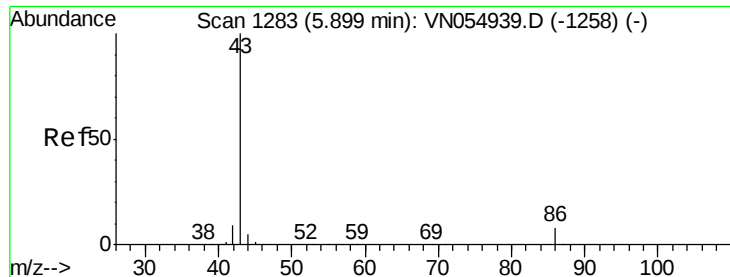
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





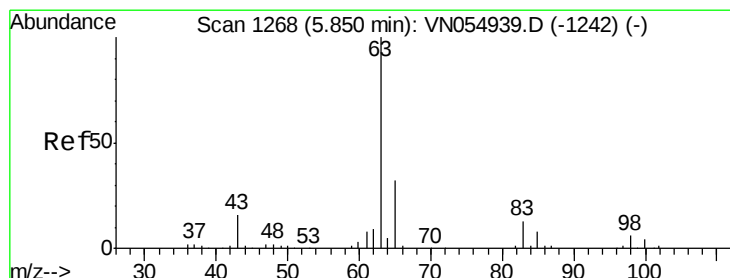
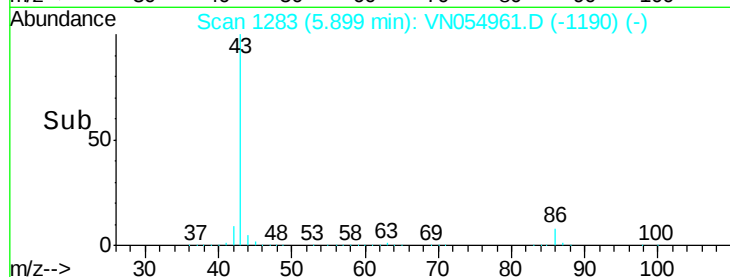
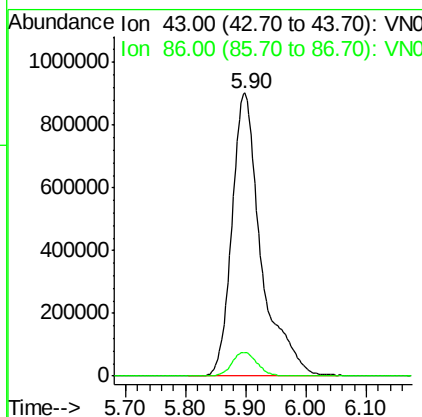
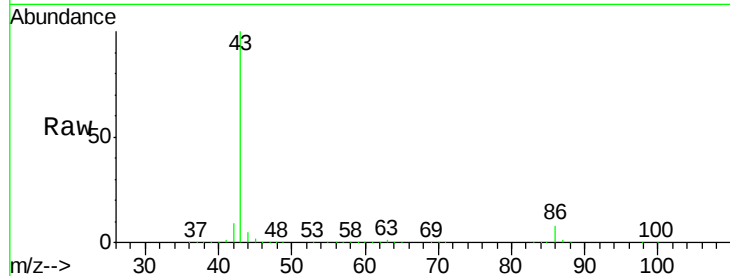
#23
 Vinyl Acetate
 Concen: 247.768 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3056129
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.7 10.1

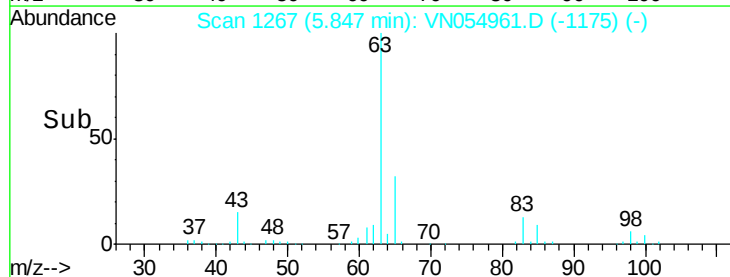
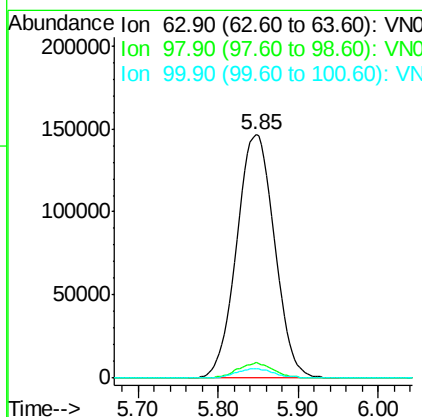
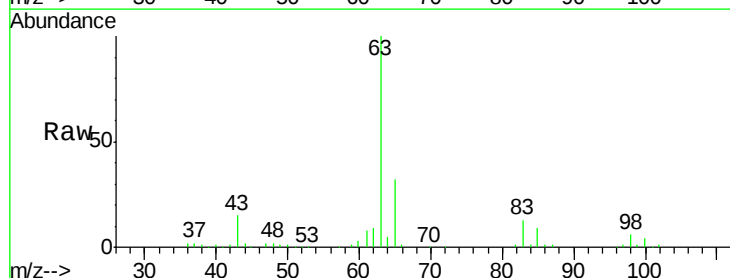
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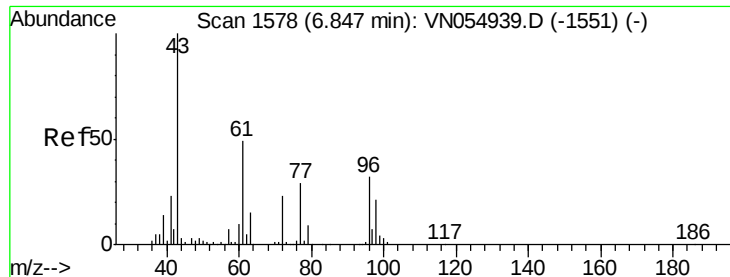
MMDadoda
 4/8/2019 3:34:04 AM



#24
 1,1-Dichloroethane
 Concen: 48.755 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 63 Resp: 471293
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.7
 100 4.0 2.1 6.2





#25

2-Butanone

Concen: 254.747 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 556414

Ion Ratio Lower Upper

43 100

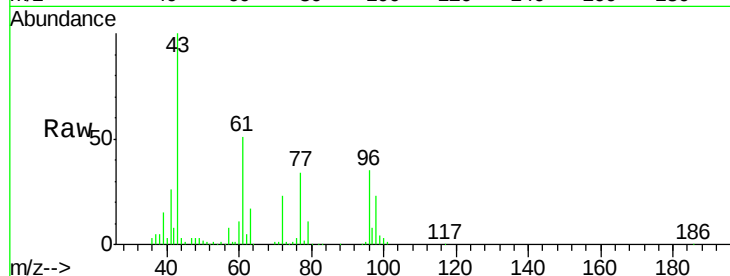
72 22.8 18.3 27.5

Manual Integrations

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MMDadoda

4/8/2019 3:34:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

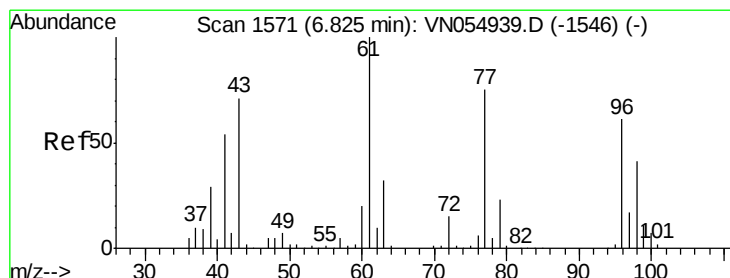
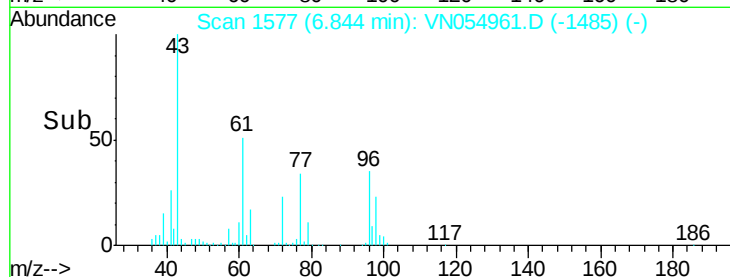
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.755 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054961.D

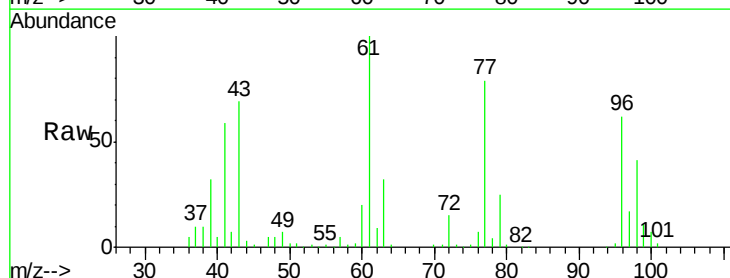
Acq: 5 Apr 2019 9:02

Tgt Ion: 77 Resp: 343937

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

120000

100000

80000

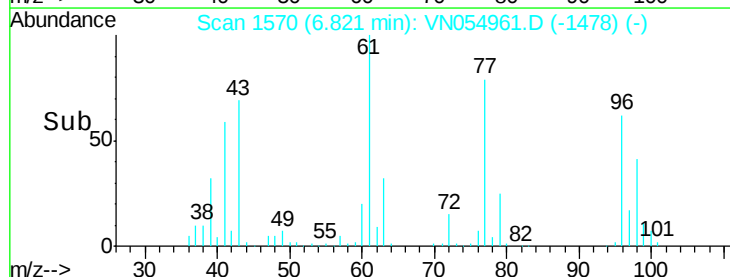
60000

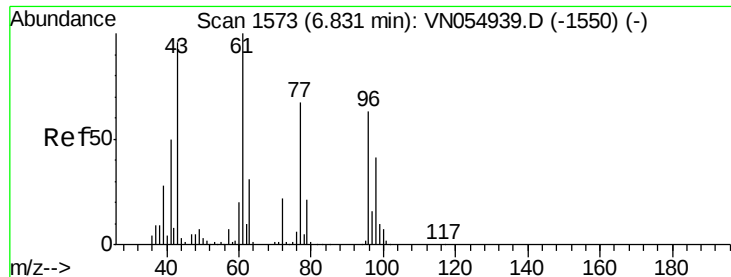
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.664 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

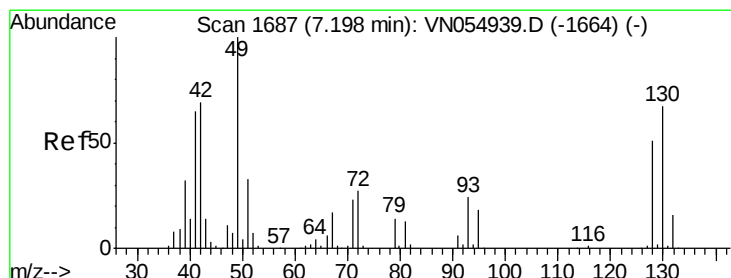
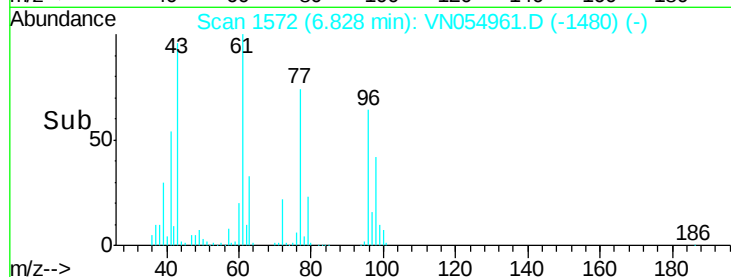
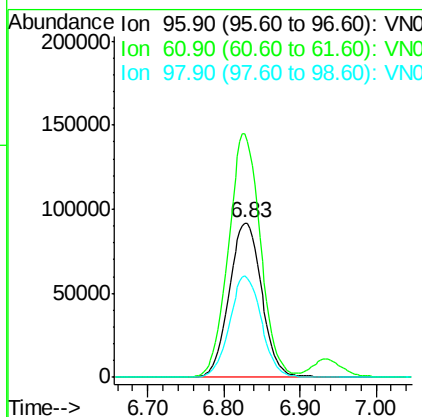
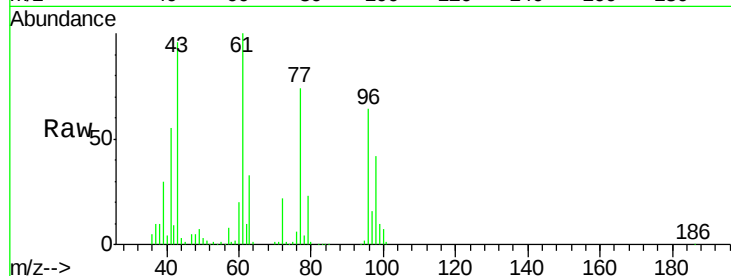
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	273627
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	316.2
98	63.7	0.0	129.6

Manual Integrations
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MMDadoda
4/8/2019 3:34:04 AM



#28

Bromochloromethane

Concen: 46.540 ug/l

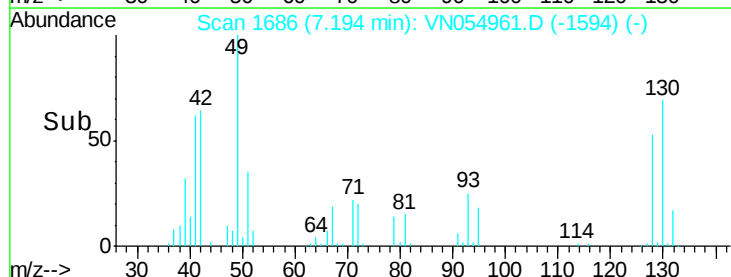
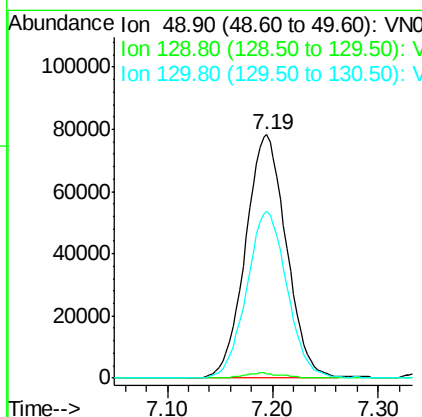
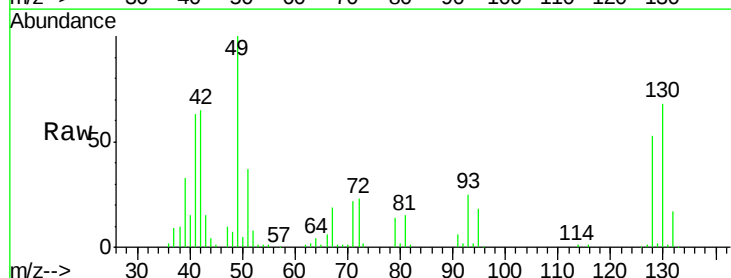
RT: 7.19 min Scan# 1686

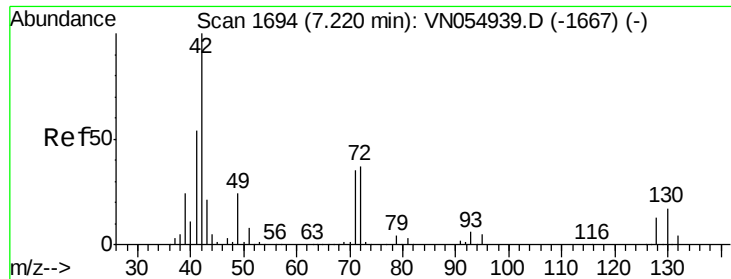
Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion:	49	Resp:	210757
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	67.5	53.1	79.7





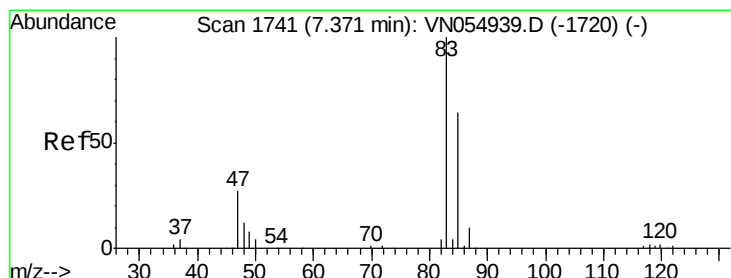
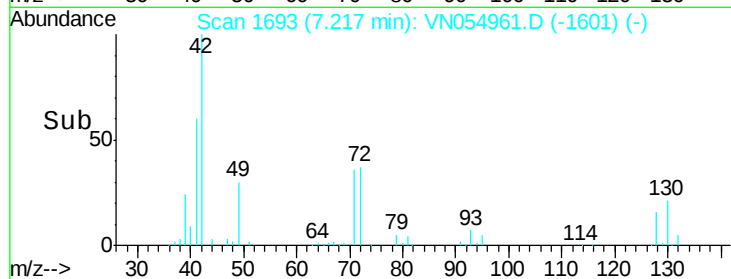
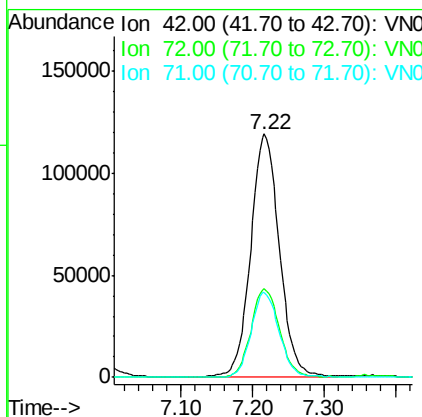
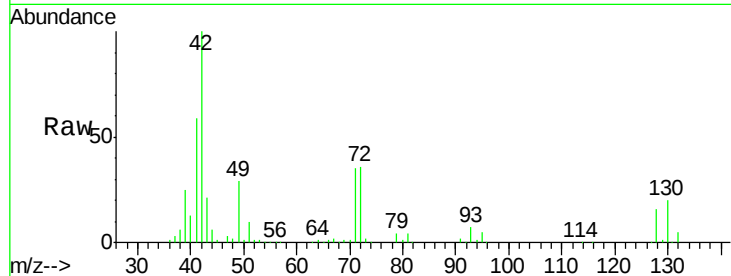
#29
Tetrahydrofuran
Concen: 231.455 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.3	43.9
71	34.2	27.8	41.6

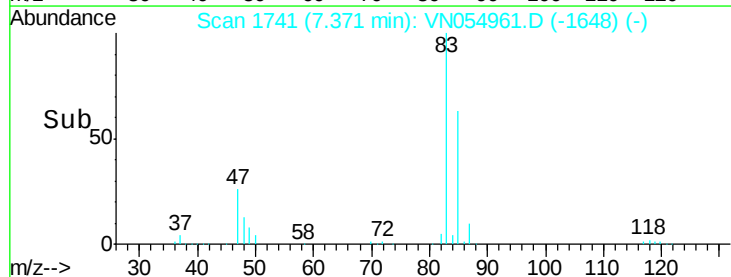
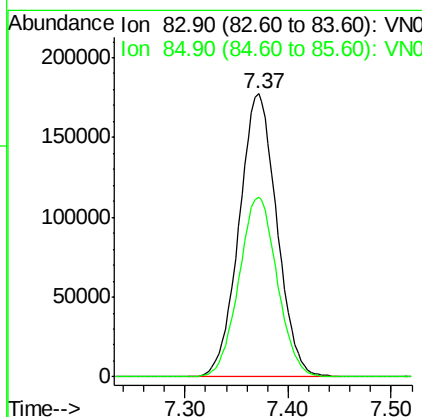
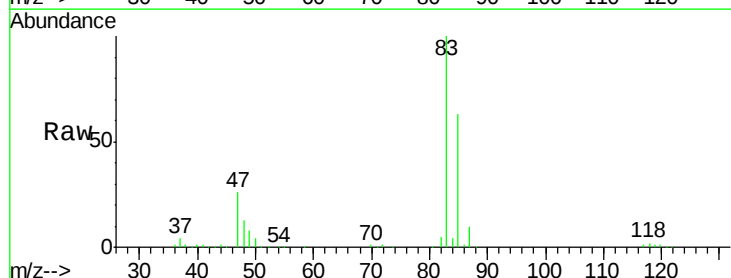
Manual Integrations
APPROVED

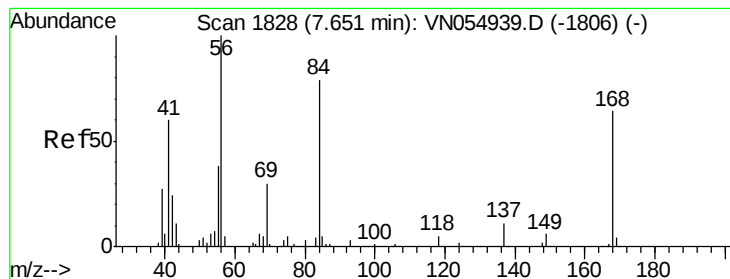
MMDadoda
4/8/2019 3:34:04 AM



#30
Chloroform
Concen: 49.321 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0





#31

Cyclohexane

Concen: 50.737 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

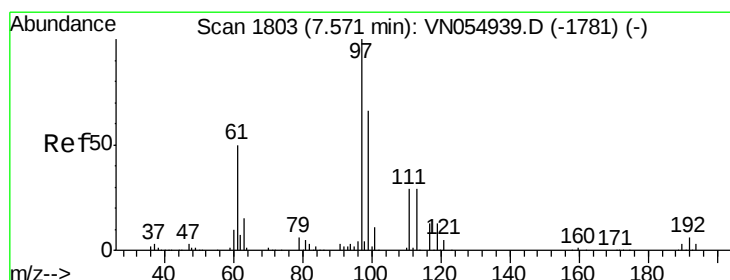
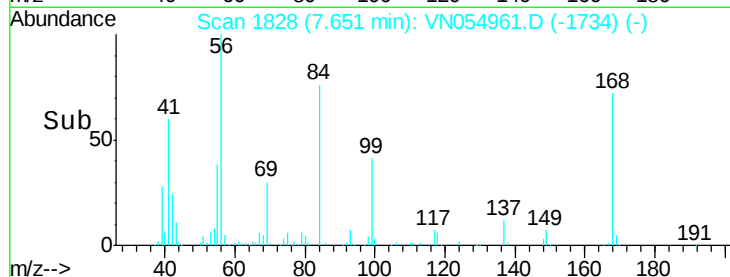
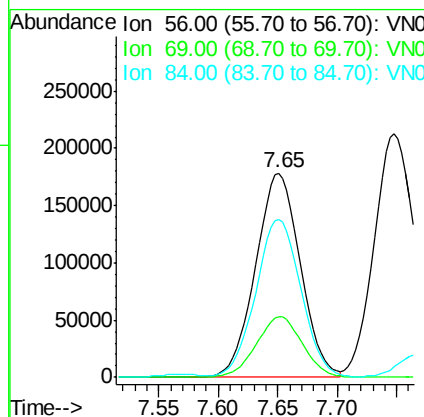
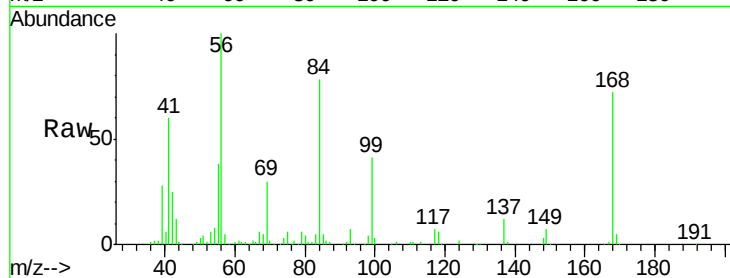
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	464325
Ion Ratio	Lower	Upper	
56	100		
69	29.8	23.8	35.6
84	76.3	61.8	92.8

Manual Integrations
APPROVED

MMDadoda
4/8/2019 3:34:04 AM



#32

1,1,1-Trichloroethane

Concen: 48.122 ug/l

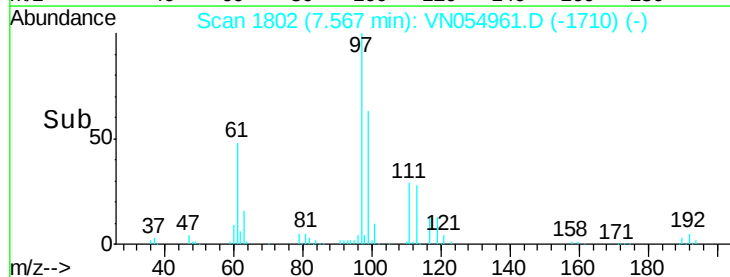
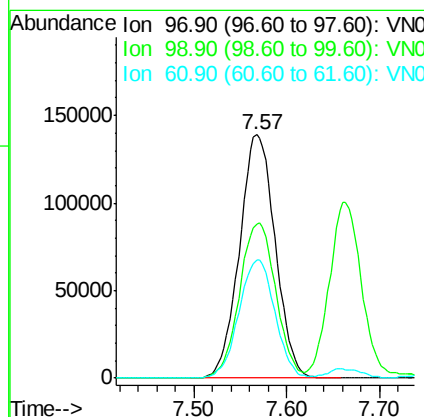
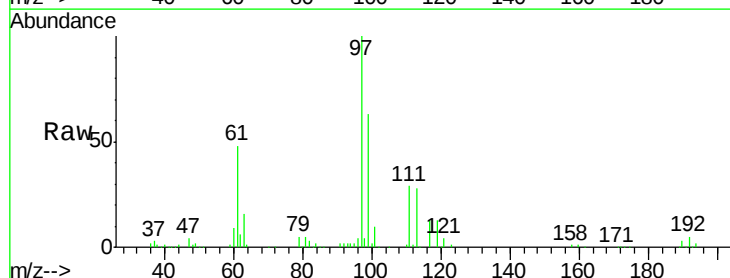
RT: 7.57 min Scan# 1802

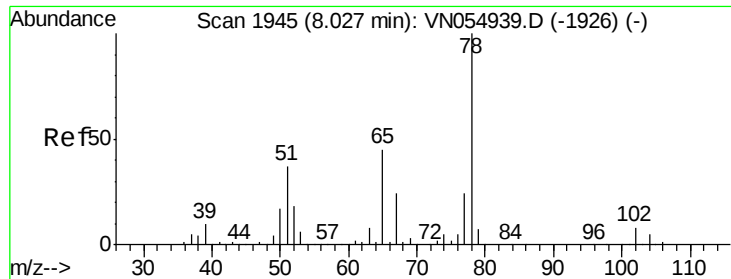
Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion:	97	Resp:	372017
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.1	78.1
61	48.9	39.6	59.4





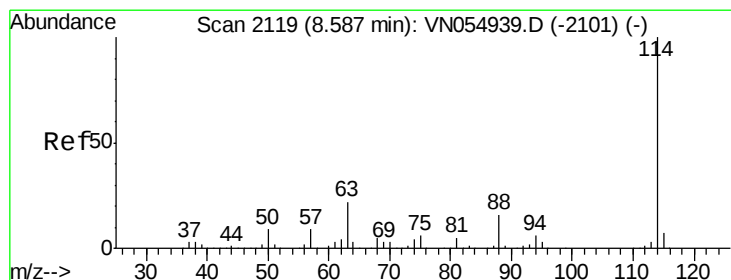
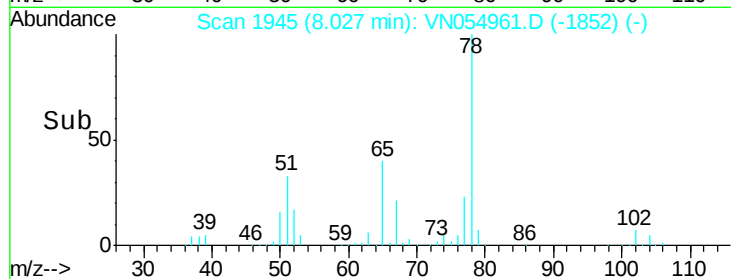
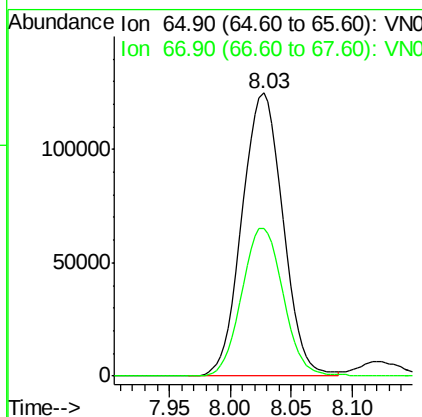
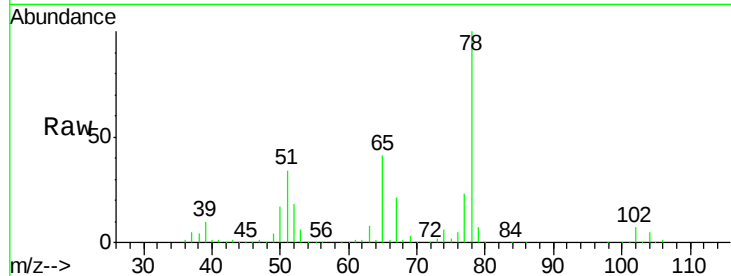
#33
 1,2-Dichloroethane-d4
 Concen: 49.986 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	290759		
67	52.9	0.0	105.6	

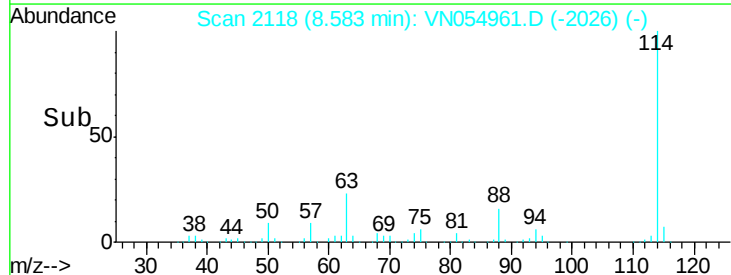
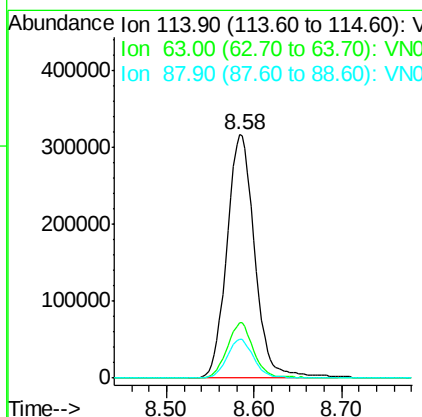
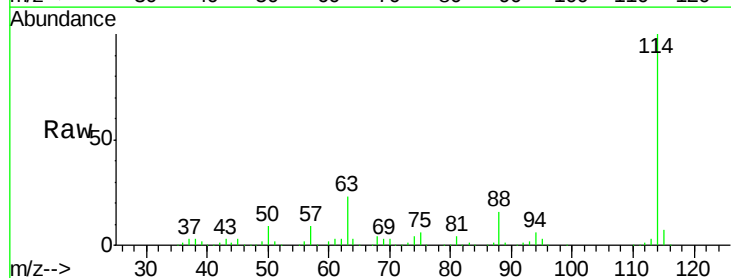
Manual Integrations
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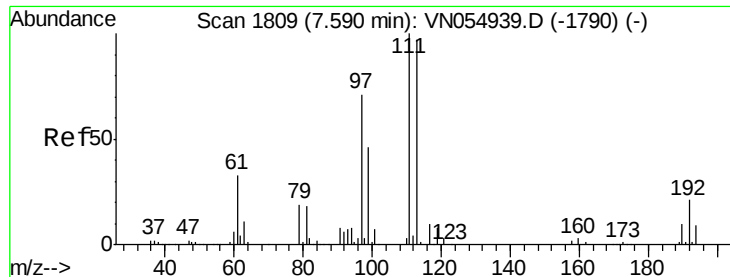
MMDadoda
 4/8/2019 3:34:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	700164		
63	22.6	0.0	44.6	
88	16.0	0.0	32.0	





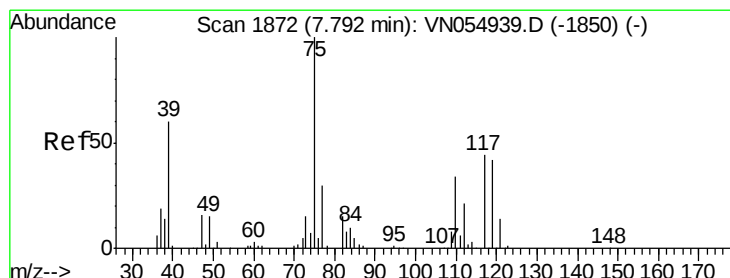
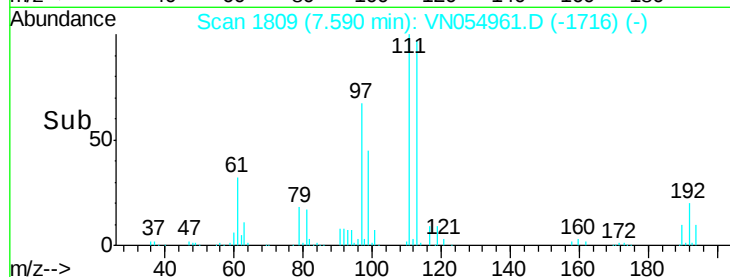
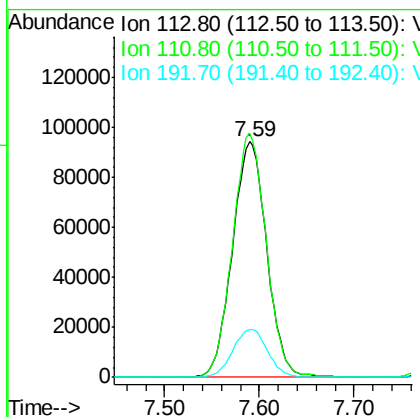
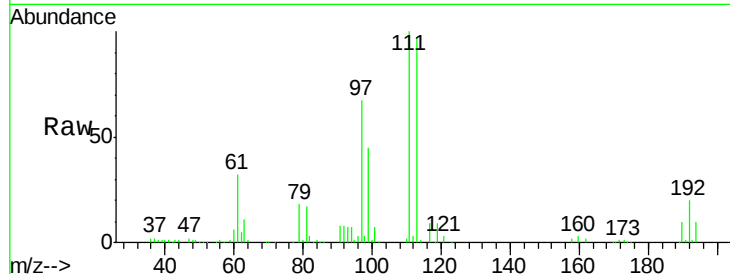
#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	81.0	121.4	
192	20.6	16.5	24.7	

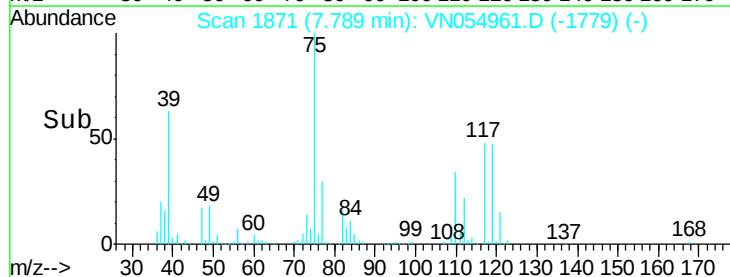
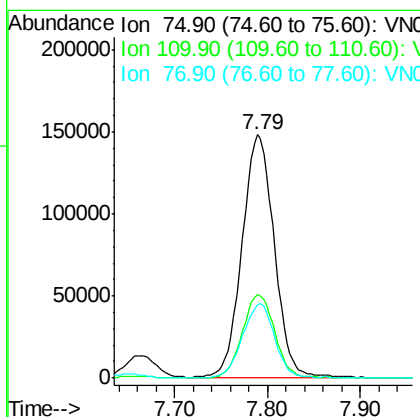
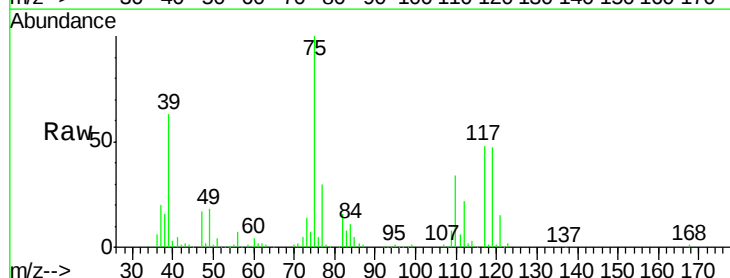
Manual Integrations
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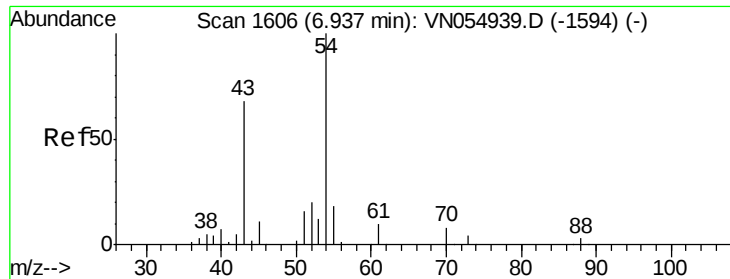
MMDadoda
4/8/2019 3:34:04 AM



#36
1,1-Dichloropropene
Concen: 51.140 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.9	17.0	50.9	
77	31.0	25.3	37.9	





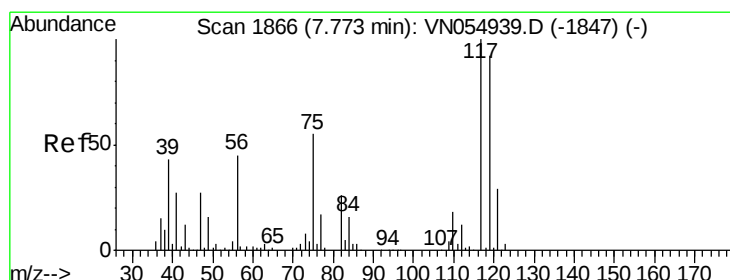
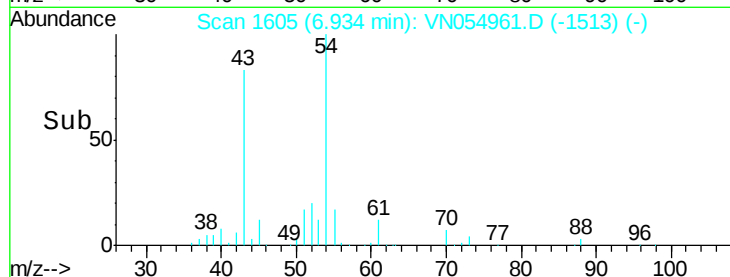
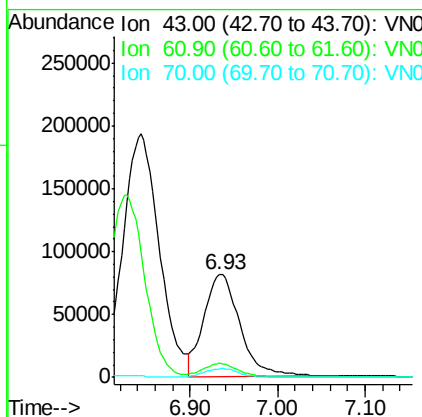
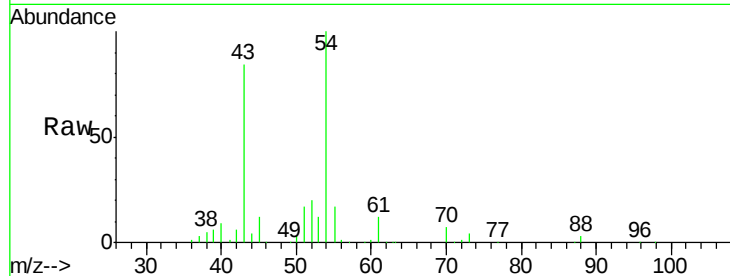
#37
Ethyl Acetate
Concen: 48.769 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	8.0	7.0	10.4

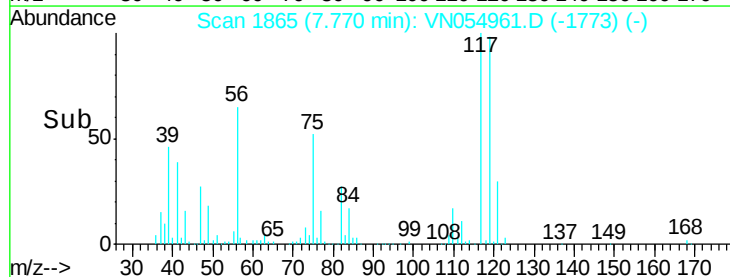
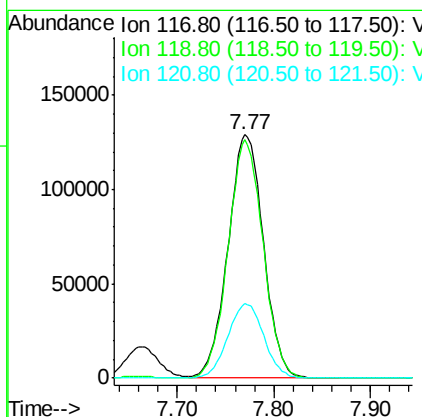
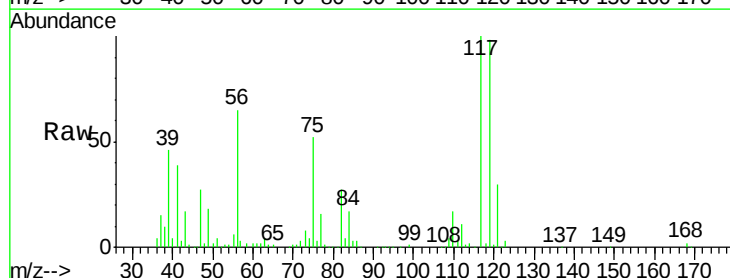
Manual Integrations
APPROVED

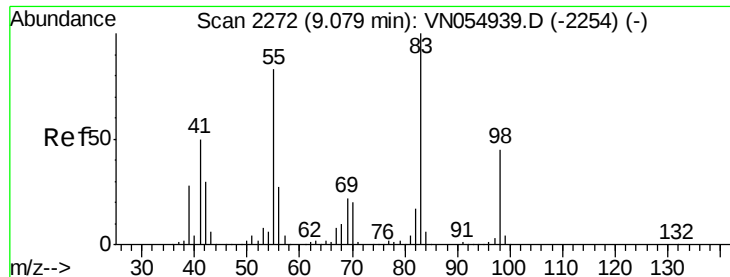
MMDadoda
4/8/2019 3:34:04 AM



#38
Carbon Tetrachloride
Concen: 49.055 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	73.6	110.4
121	30.4	23.4	35.0





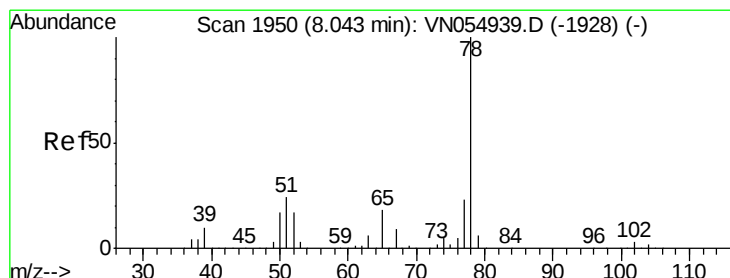
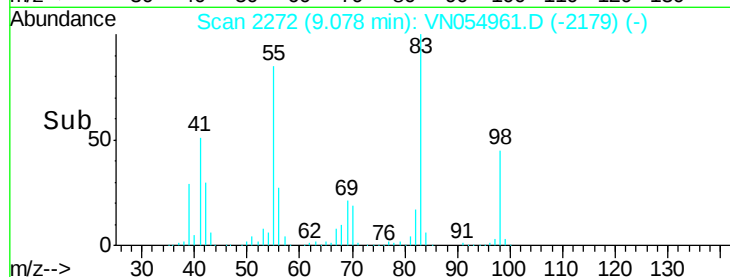
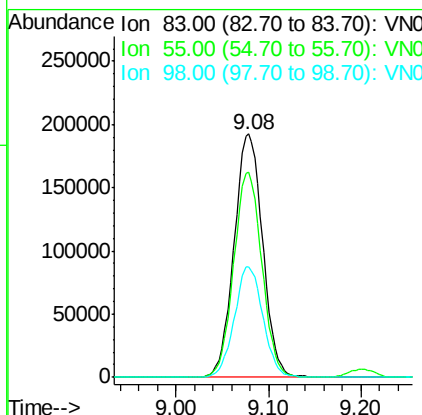
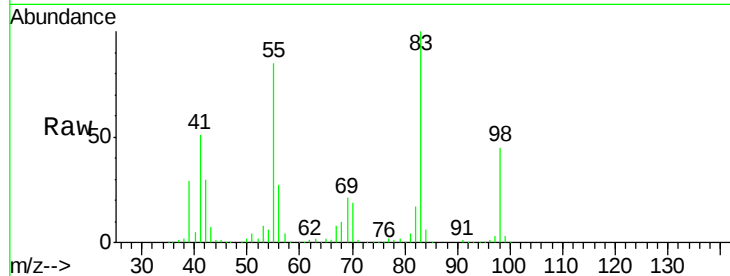
#39
Methvlcvclohexane
Concen: 53.910 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	66.4	99.6
98	45.4	36.4	54.6

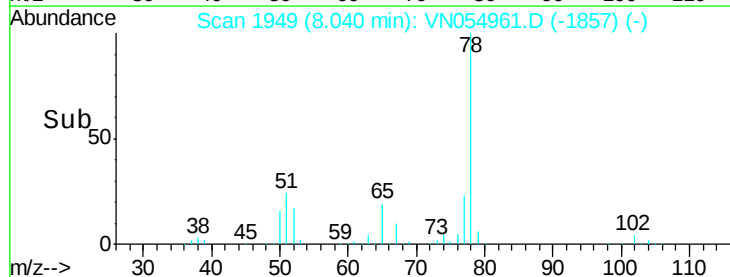
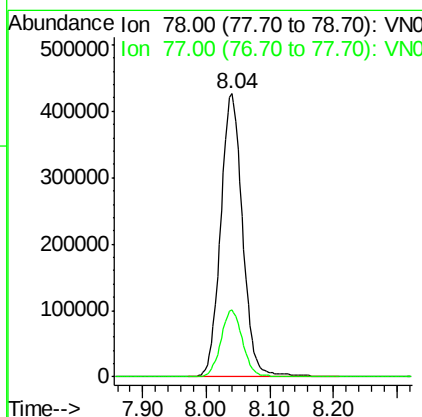
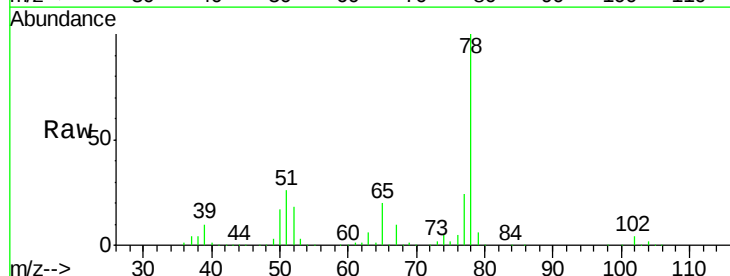
Manual Integrations
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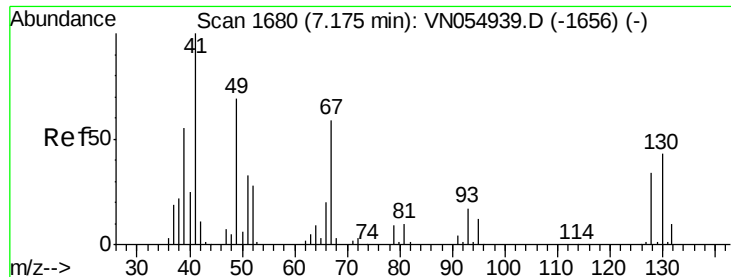
MMDadoda
4/8/2019 3:34:04 AM



#40
Benzene
Concen: 51.174 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





#41

Methacrylonitrile

Concen: 51.100 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

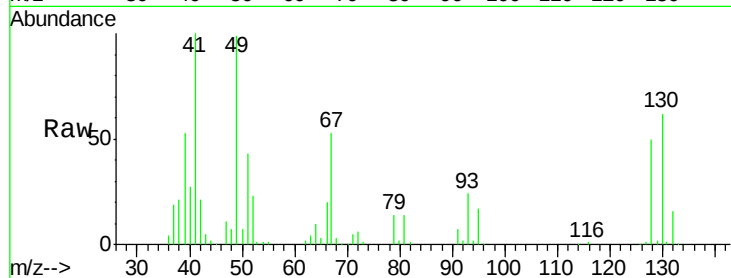
VSTDCCC050

Tot Ion: 41 Resp: 139107
Ion Ratio Lower Upper

41	100		
39	53.5	43.0	64.6
67	65.7	55.0	82.6
52	27.7	24.4	36.6

Manual Integrations
APPROVED

MMDadoda
4/8/2019 3:34:04 AM

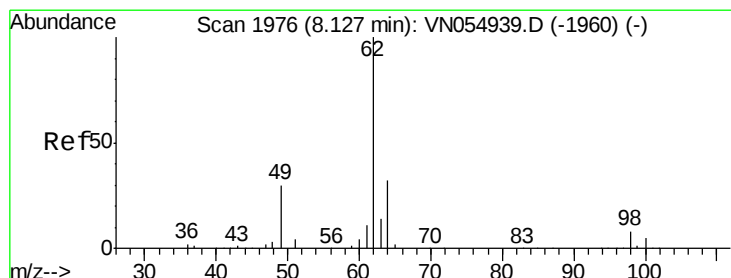
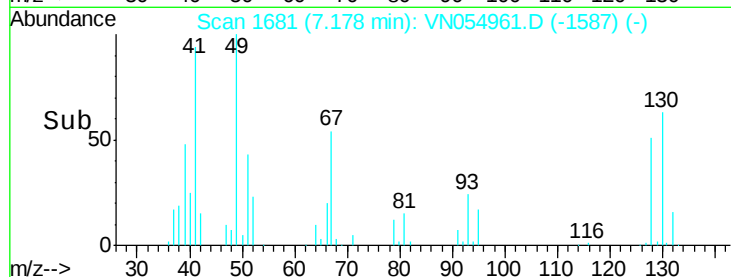
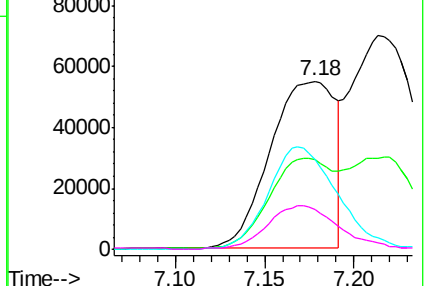


Abundance Ion 41.00 (40.70 to 41.70): VN054939.D (-1656) (-)

Ion 39.00 (38.70 to 39.70): VN054939.D (-1656) (-)

Ion 67.00 (66.70 to 67.70): VN054939.D (-1656) (-)

Ion 52.00 (51.70 to 52.70): VN054939.D (-1656) (-)



#42

1,2-Dichloroethane

Concen: 50.061 ug/l

RT: 8.12 min Scan# 1975

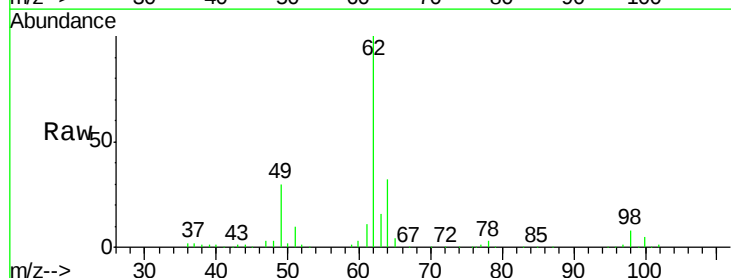
Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

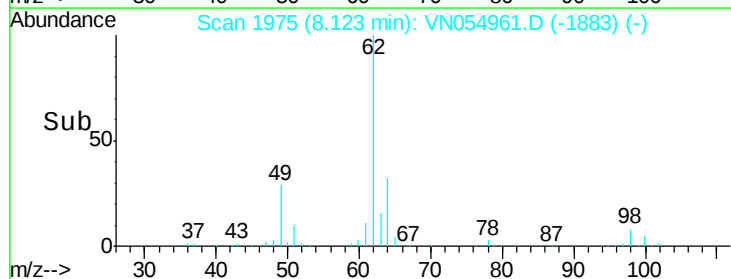
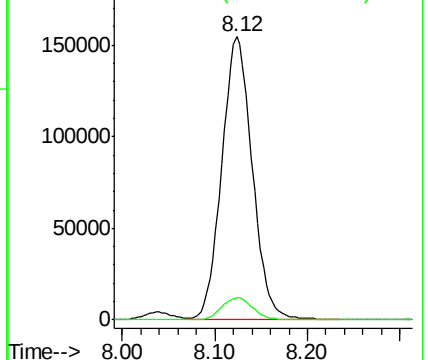
Tgt Ion: 62 Resp: 351168
Ion Ratio Lower Upper

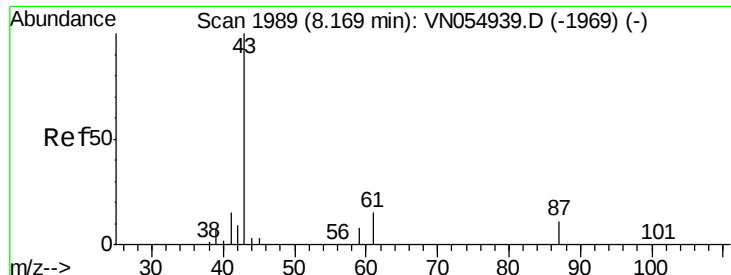
62	100		
98	8.0	0.0	16.0



Abundance Ion 61.90 (61.60 to 62.60): VN054939.D (-1960) (-)

Ion 97.90 (97.60 to 98.60): VN054939.D (-1960) (-)





#43

Isopropyl Acetate

Concen: 49.159 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

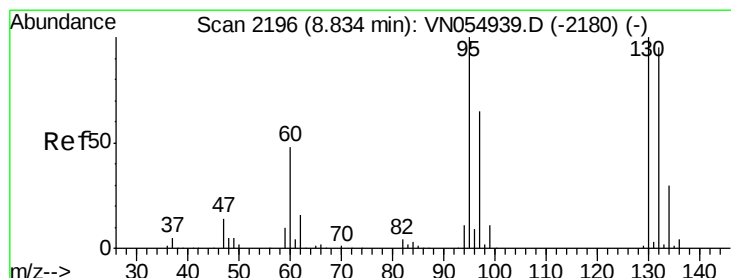
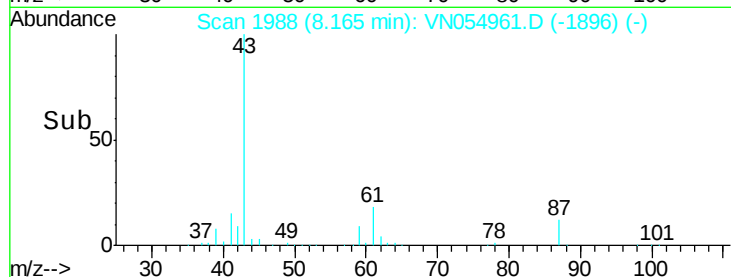
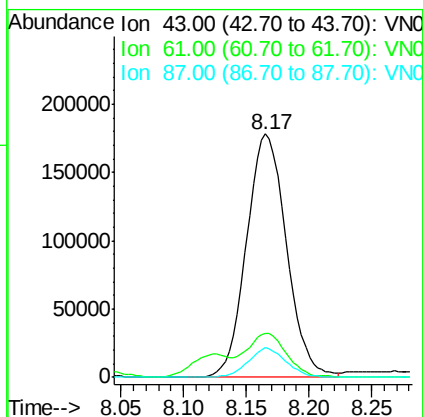
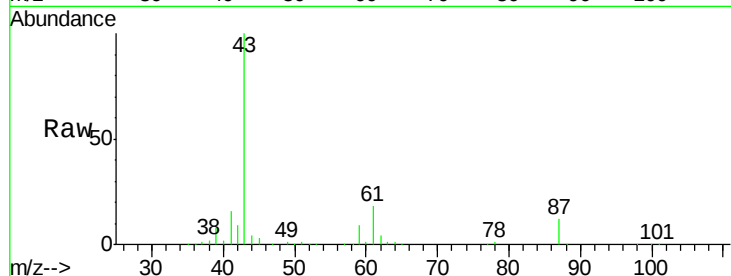
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	394438
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	11.6	9.0	13.4

Manual Integrations
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MMDadoda
4/8/2019 3:34:04 AM



#44

Trichloroethene

Concen: 52.399 ug/l

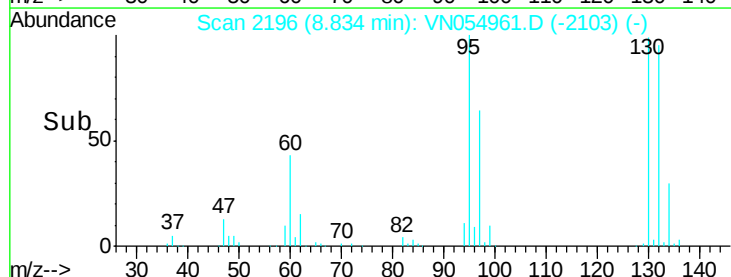
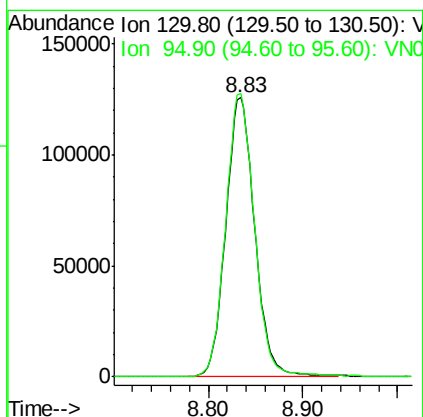
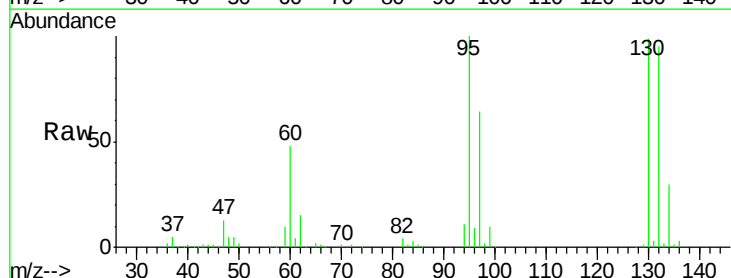
RT: 8.83 min Scan# 2196

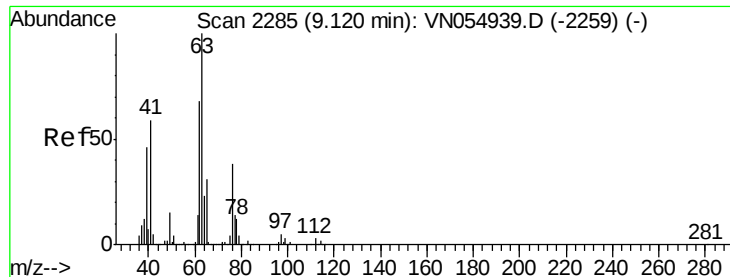
Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion:	130	Resp:	267454
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	200.4





#45

1,2-Dichloropropane

Concen: 51.065 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 284029

Ion Ratio Lower Upper

63 100

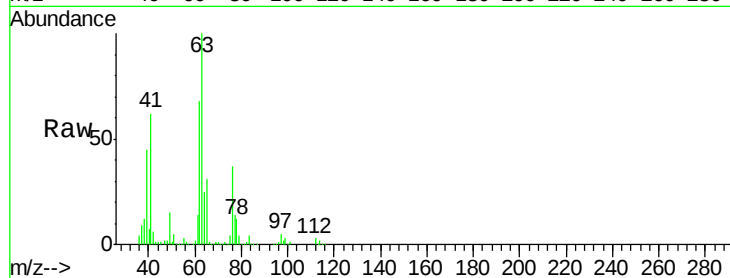
65 31.3 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

4/8/2019 3:34:04 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

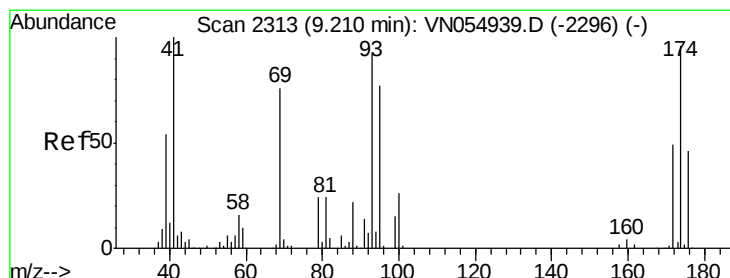
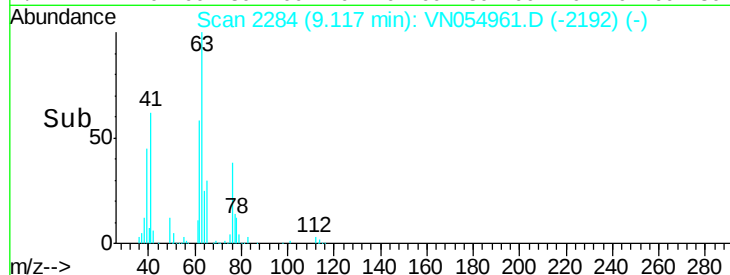
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.729 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

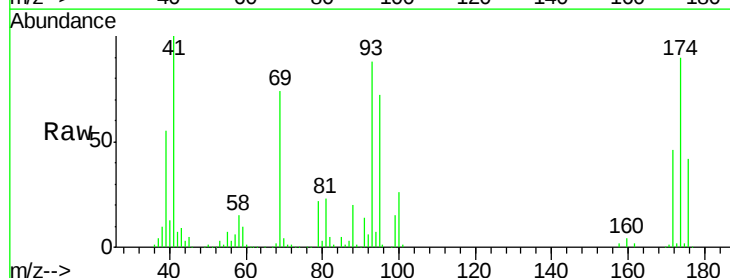
Tgt Ion: 93 Resp: 160005

Ion Ratio Lower Upper

93 100

95 81.4 66.7 100.1

174 100.6 82.0 123.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

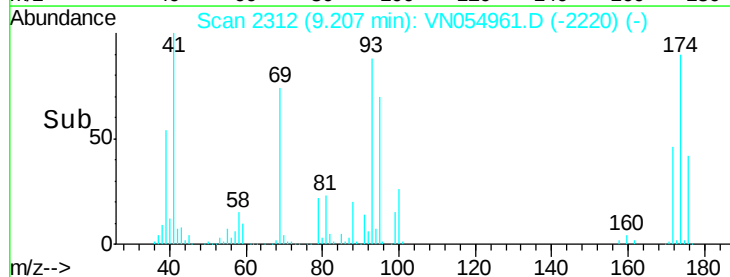
60000

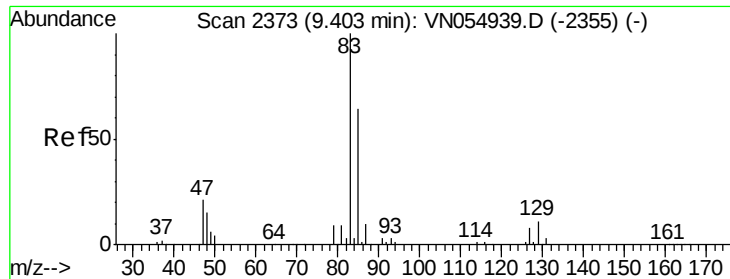
40000

20000

0

Time-->





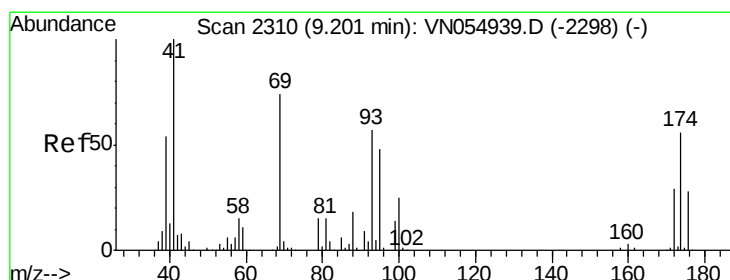
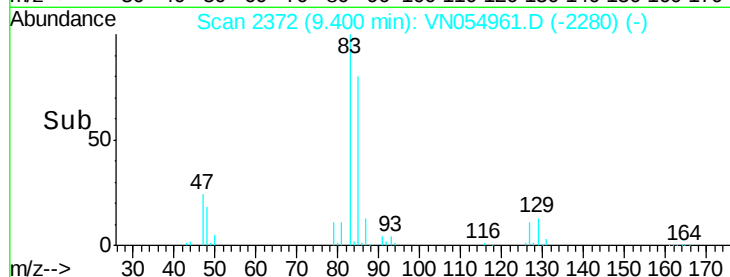
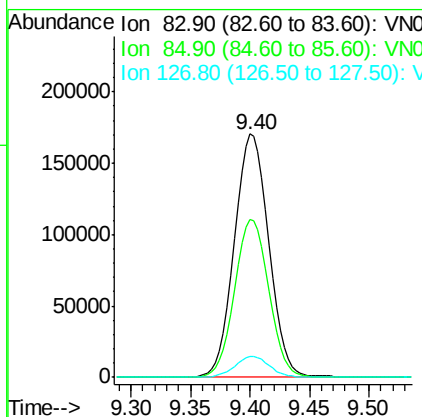
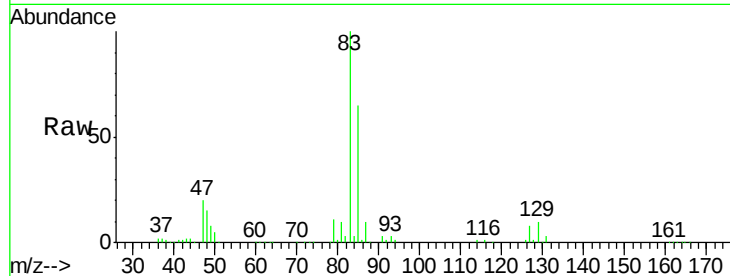
#47
Bromodichloromethane
Concen: 51.746 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.6	51.1	76.7	
127	8.5	6.7	10.1	

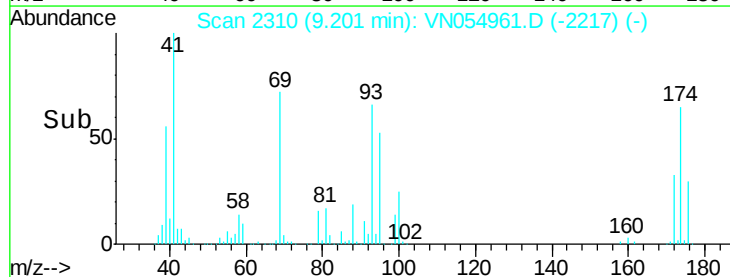
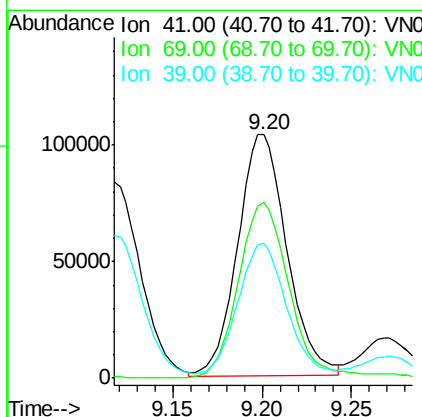
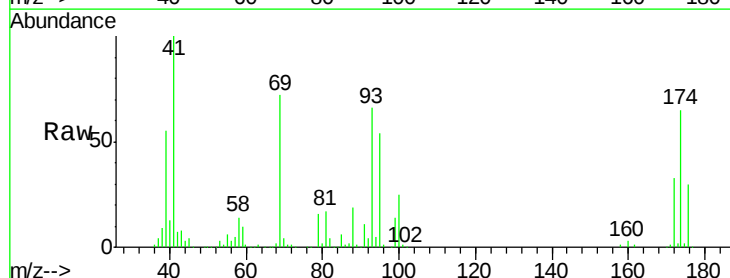
Manual Integrations
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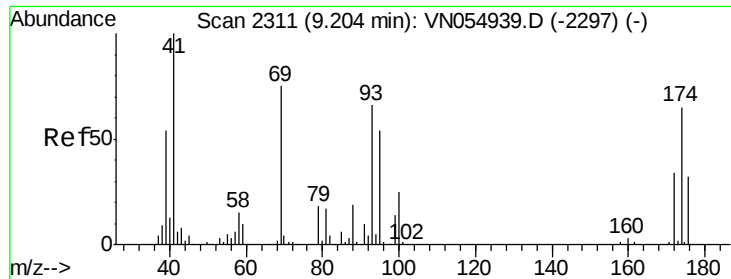
MMDadoda
4/8/2019 3:34:04 AM



#48
Methyl methacrylate
Concen: 49.387 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	74.7	58.9	88.3	
39	55.0	44.2	66.4	





#49

1,4-Dioxane

Concen: 987.320 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

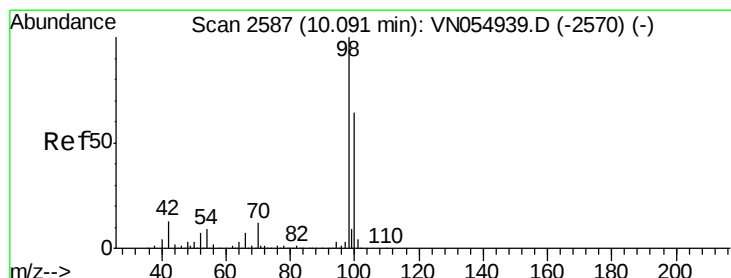
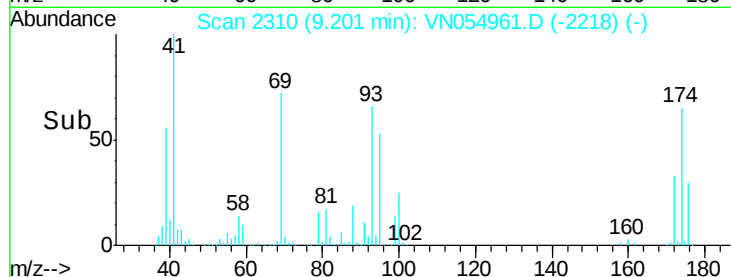
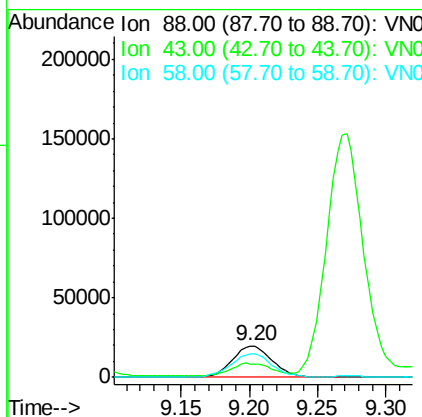
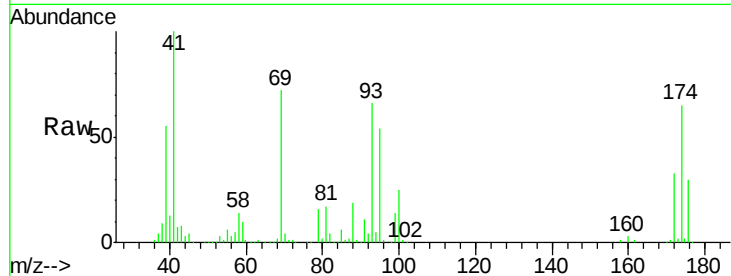
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	40478
Ion	Ratio	Lower	Upper
88	100		
43	40.6	31.5	47.3
58	77.1	61.9	92.9

Manual Integrations
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4/8/2019 3:34:04 AM



#50

Toluene-d8

Concen: 51.891 ug/l

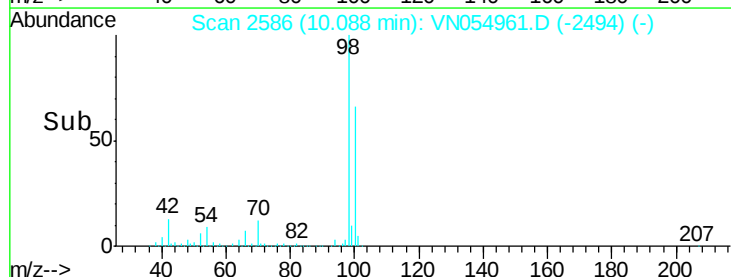
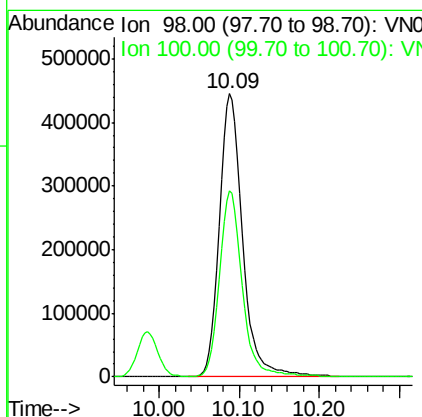
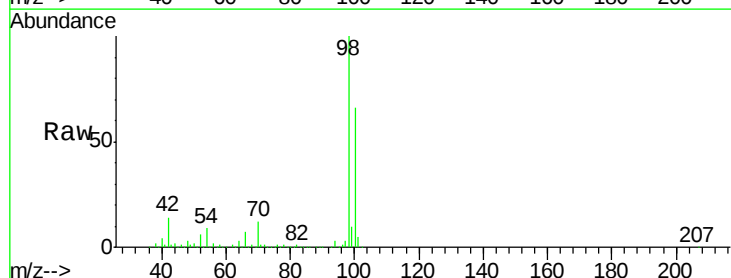
RT: 10.09 min Scan# 2586

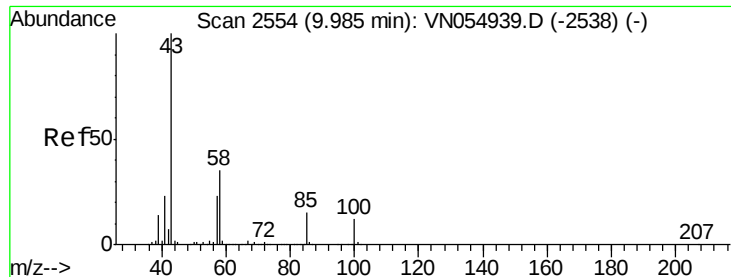
Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion:	98	Resp:	897397
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





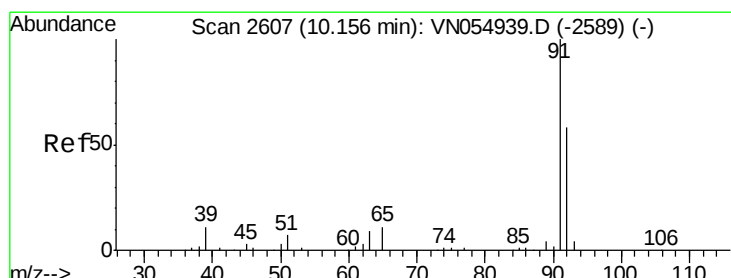
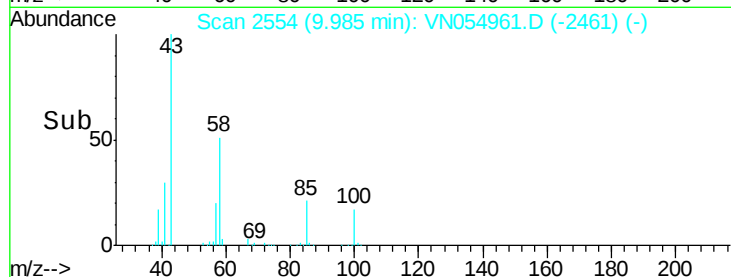
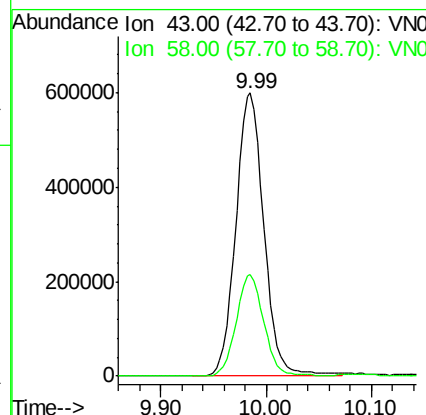
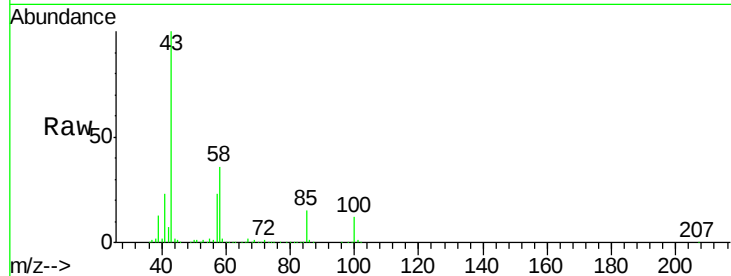
#51
4-Methyl-2-Pentanone
Concen: 245.765 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1100085
Ion Ratio Lower Upper
43 100
58 35.4 28.3 42.5

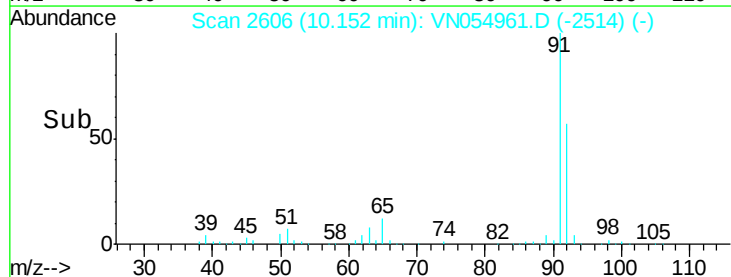
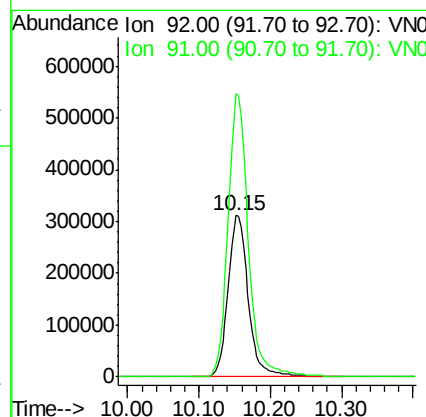
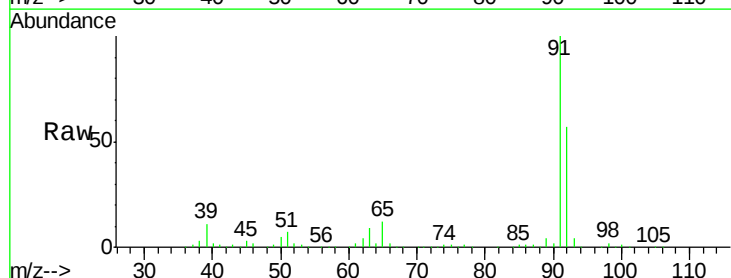
Manual Integrations
APPROVED

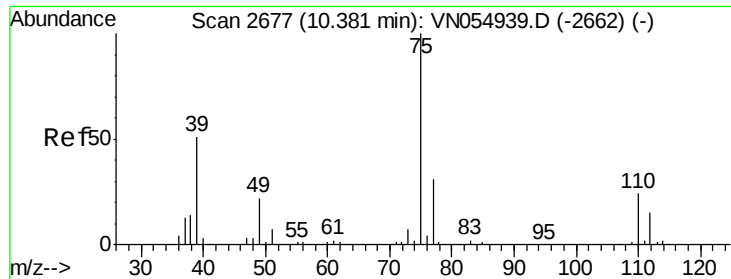
MMDadoda
4/8/2019 3:34:04 AM



#52
Toluene
Concen: 52.351 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 92 Resp: 616002
Ion Ratio Lower Upper
92 100
91 175.8 138.8 208.2





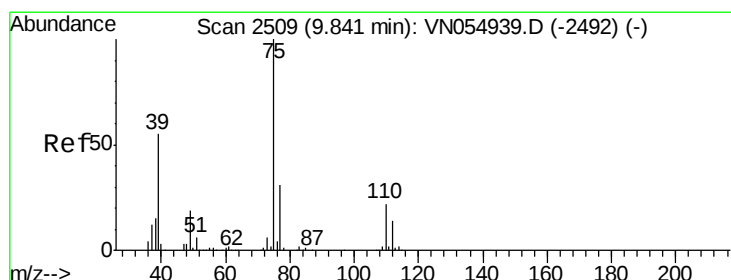
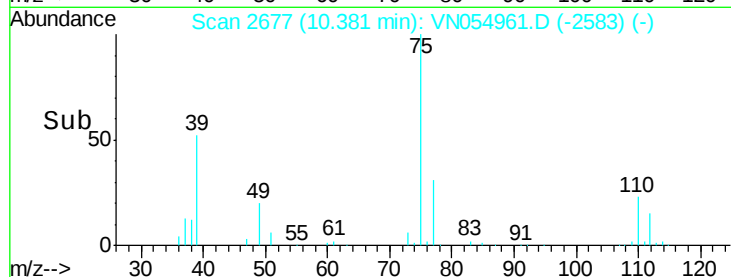
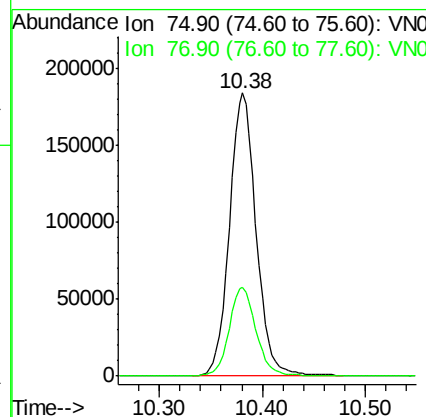
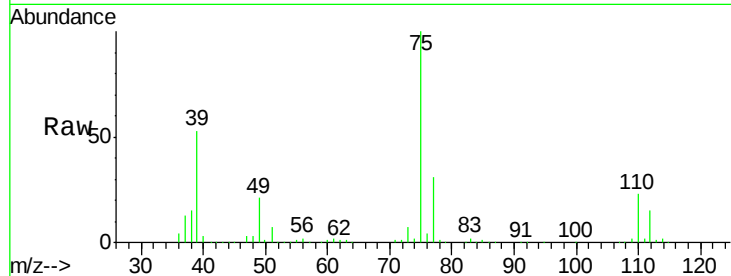
#53
t-1,3-Dichloropropene
Concen: 48.396 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 331107
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8

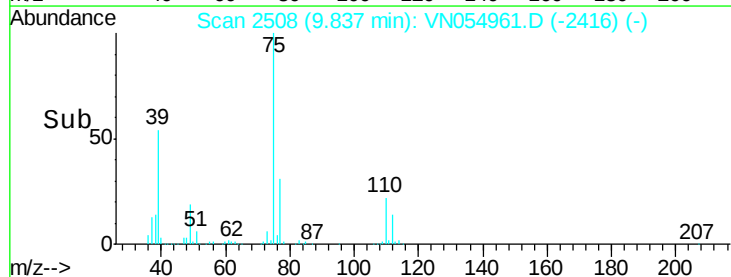
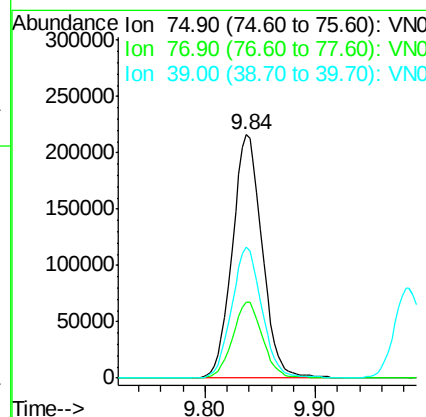
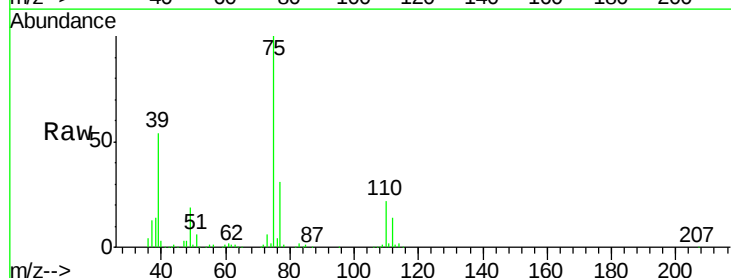
Manual Integrations
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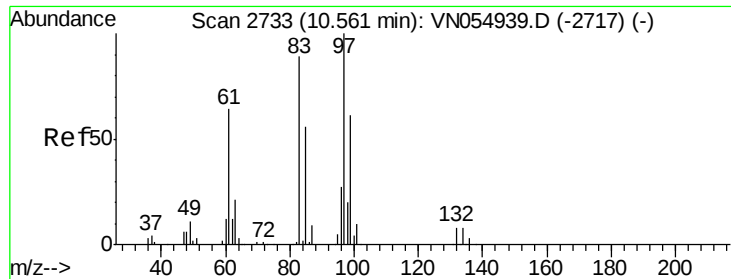
MMDadoda
4/8/2019 3:34:04 AM



#54
cis-1,3-Dichloropropene
Concen: 54.513 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 75 Resp: 406466
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4
39 53.6 43.9 65.9





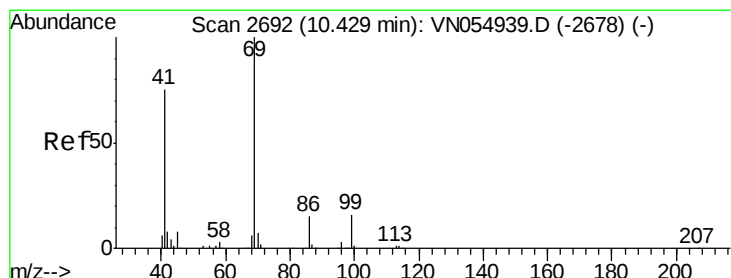
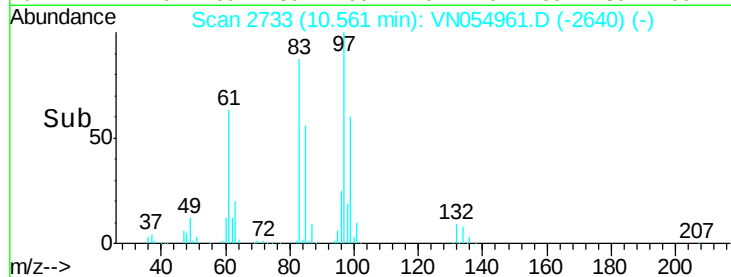
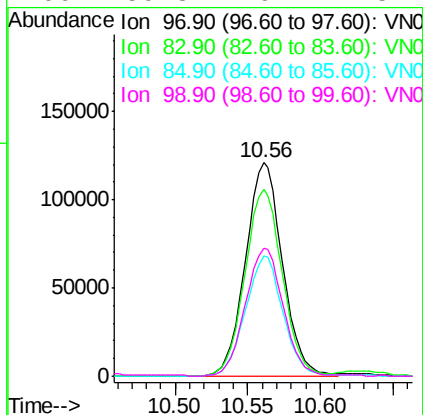
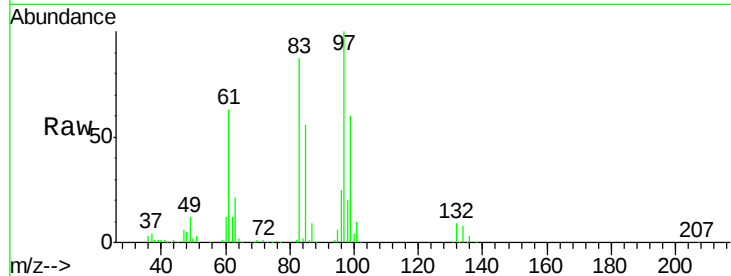
#55
 1,1,2-Trichloroethane
 Concen: 50.476 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	215341
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.5	107.3
85	56.1	45.0	67.6
99	59.8	49.1	73.7

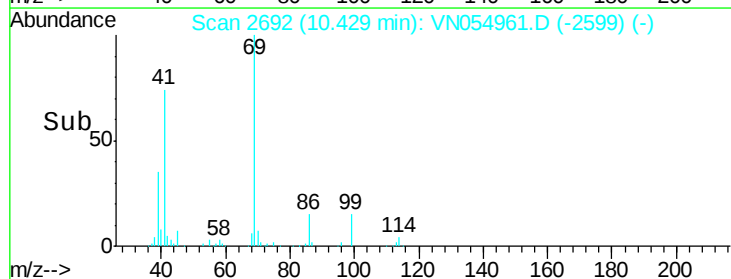
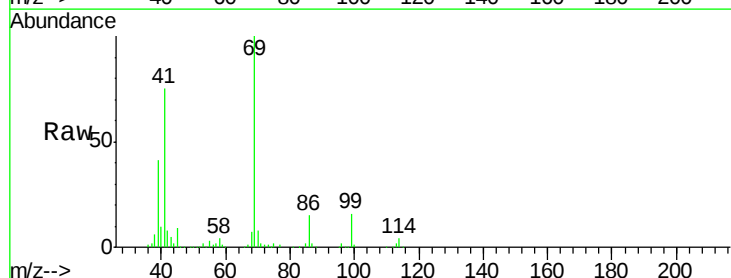
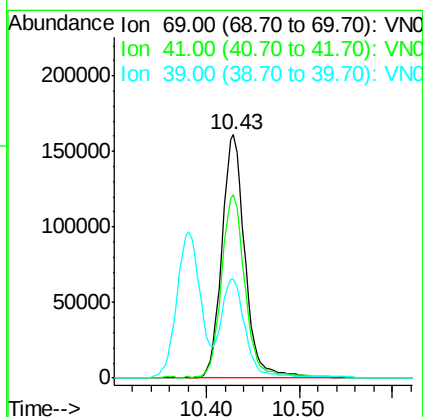
Manual Integrations
 APPROVED

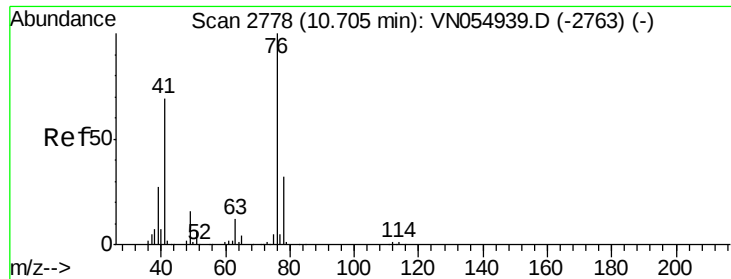
MMDadoda
 4/8/2019 3:34:04 AM



#56
 Ethyl methacrylate
 Concen: 50.169 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion:	69	Resp:	279834
Ion	Ratio	Lower	Upper
69	100		
41	74.9	60.2	90.2
39	41.6	31.3	46.9





#57

1,3-Dichloropropane

Concen: 50.573 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 376802

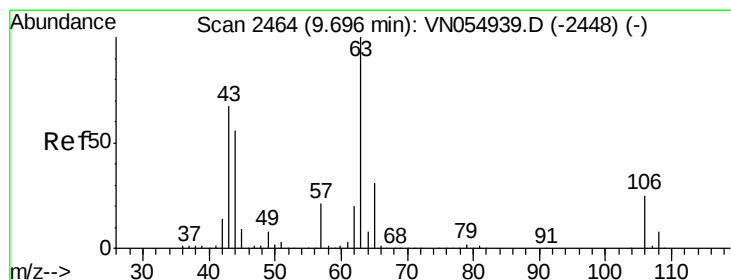
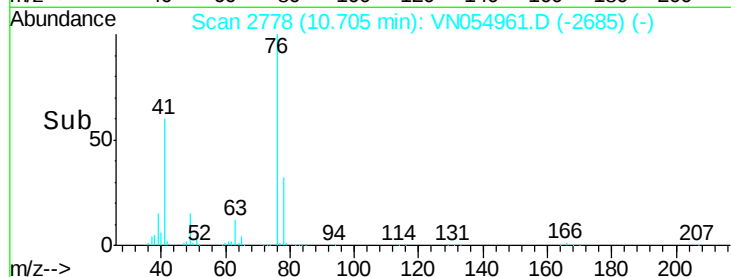
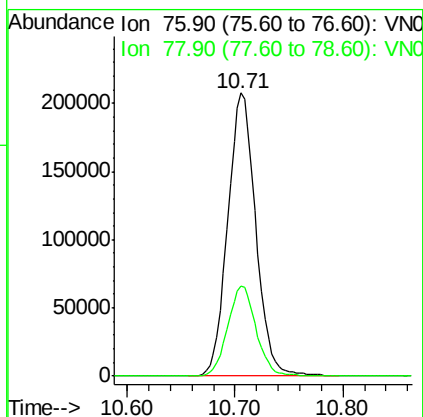
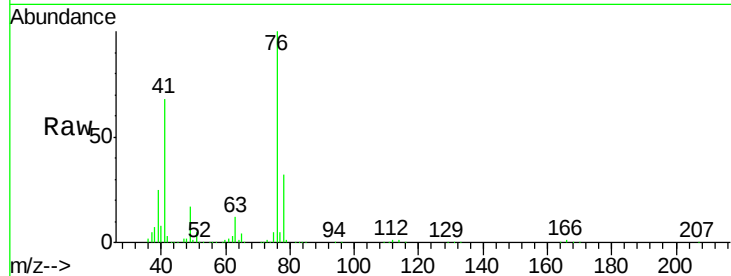
Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
4/8/2019 3:34:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 232.374 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054961.D

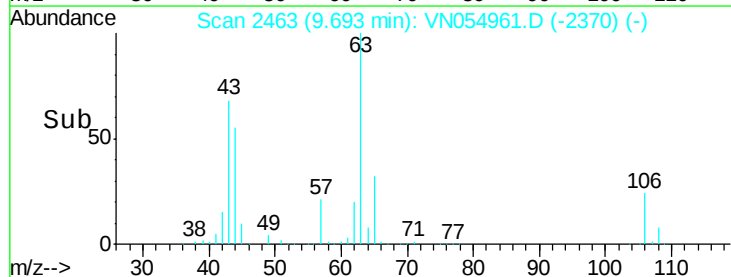
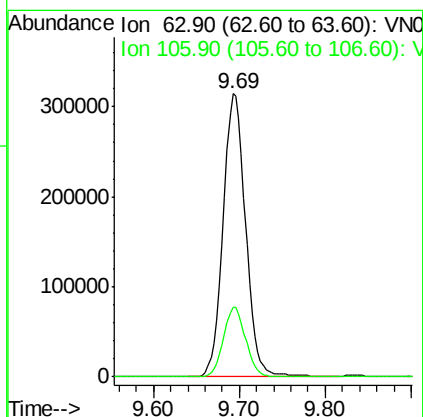
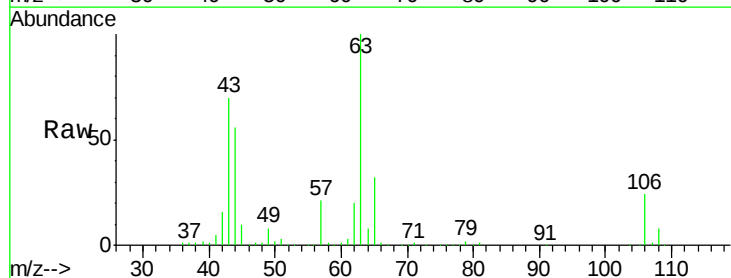
Acq: 5 Apr 2019 9:02

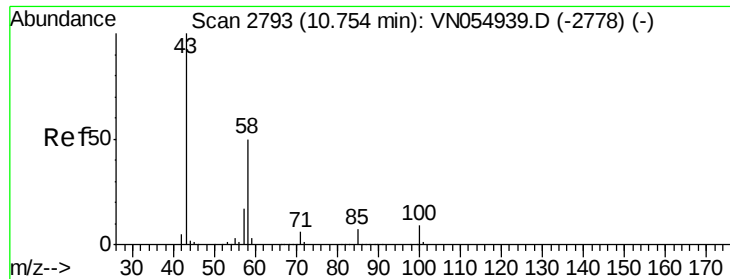
Tgt Ion: 63 Resp: 573962

Ion Ratio Lower Upper

63 100

106 24.2 19.7 29.5





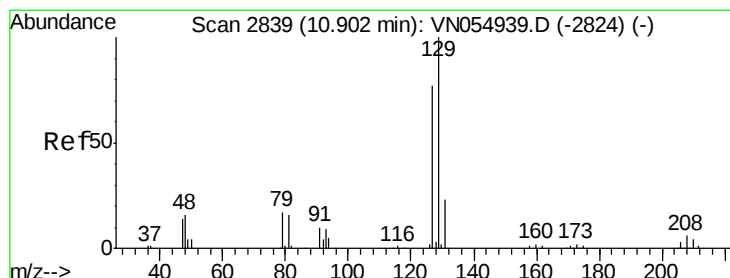
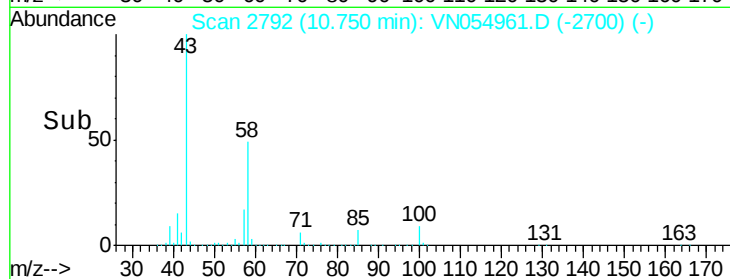
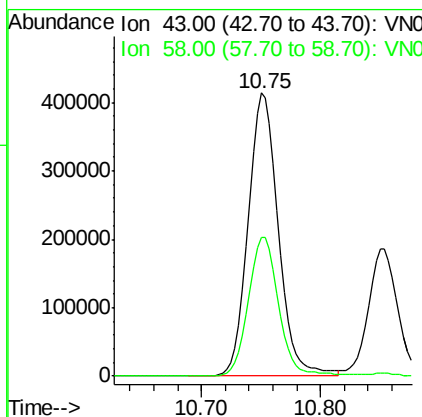
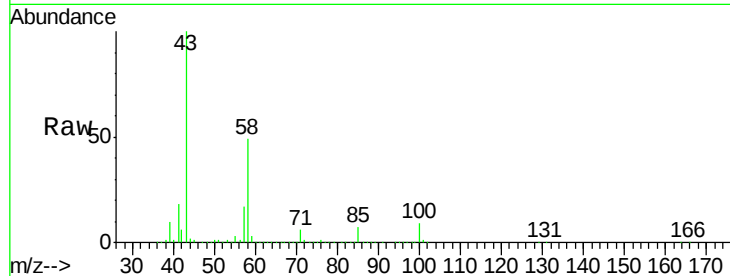
#59
2-Hexanone
Concen: 259.849 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 726506
Ion Ratio Lower Upper
43 100
58 49.4 24.6 73.8

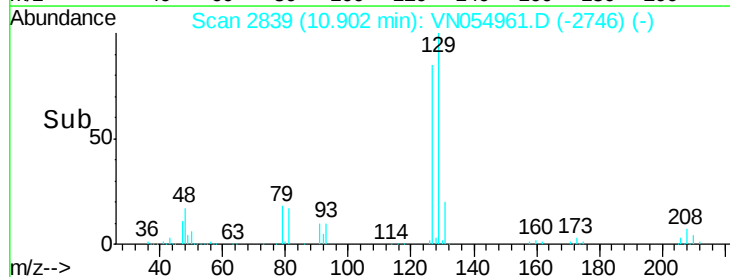
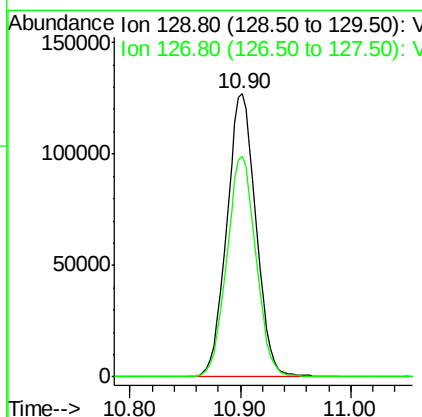
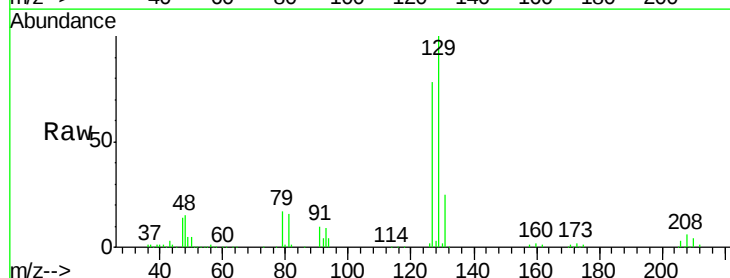
Manual Integrations
APPROVED

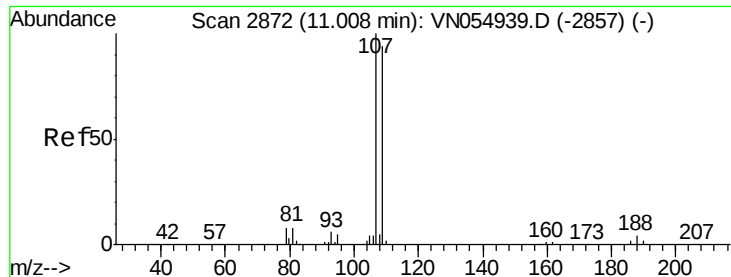
MMDadoda
4/8/2019 3:34:04 AM



#60
Dibromochloromethane
Concen: 52.118 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 129 Resp: 232893
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





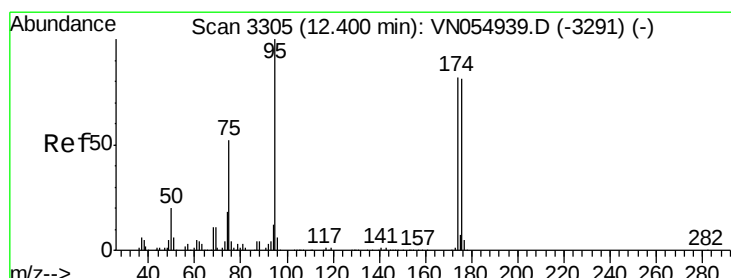
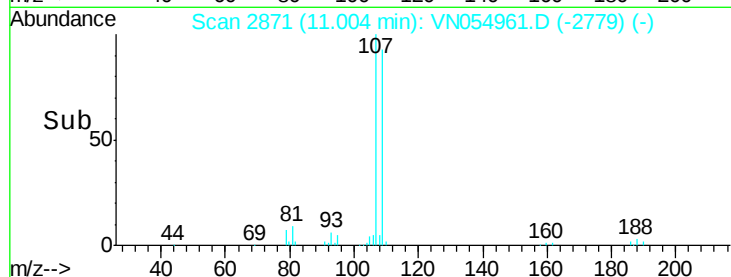
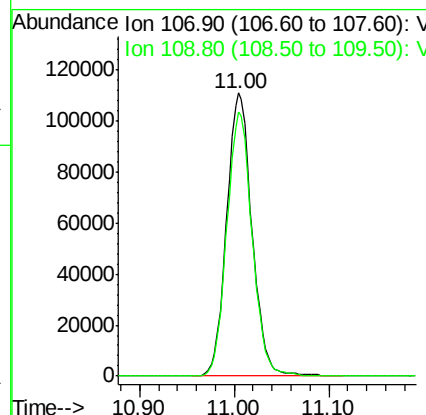
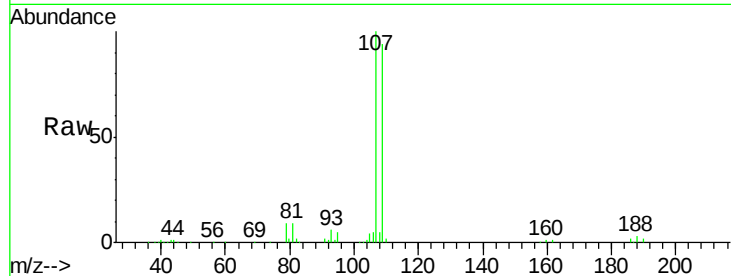
#61
 1,2-Dibromoethane
 Concen: 51.492 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 206545
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.6 112.0

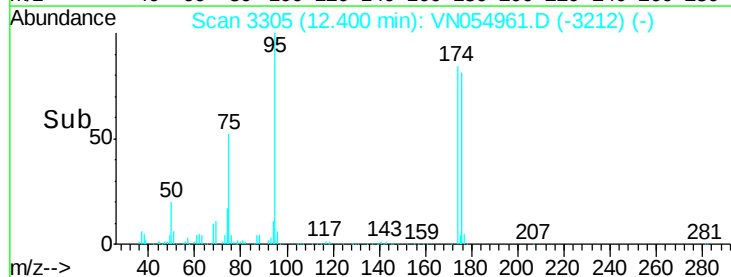
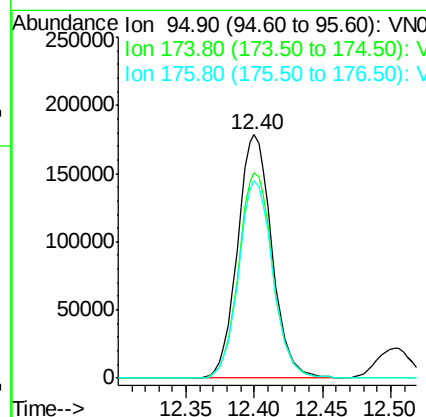
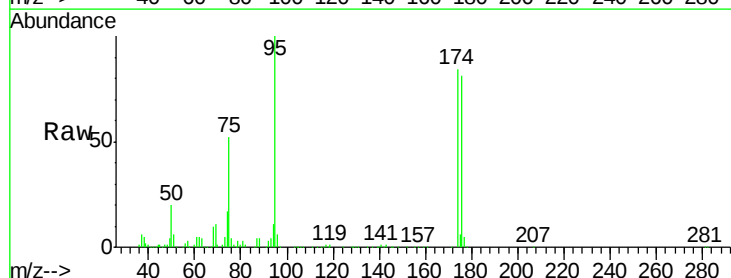
Manual Integrations
 APPROVED

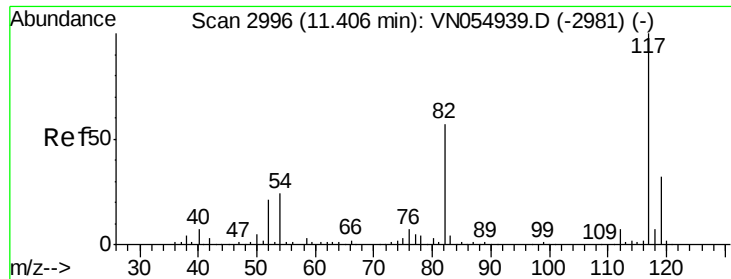
MMDadoda
 4/8/2019 3:34:04 AM



#62
 4-Bromofluorobenzene
 Concen: 53.938 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 95 Resp: 311297
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 166.2
 176 80.9 0.0 163.2





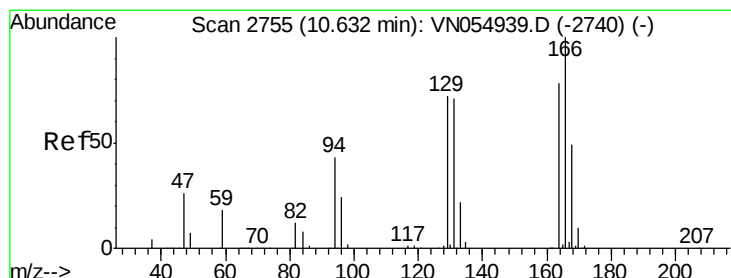
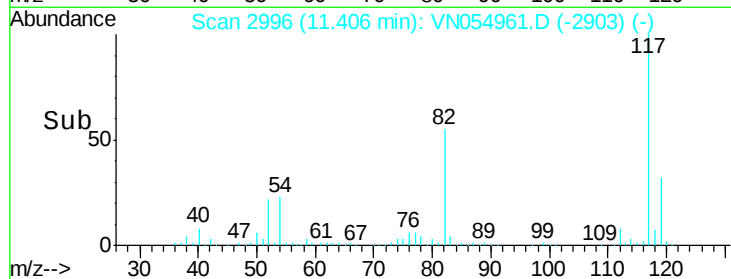
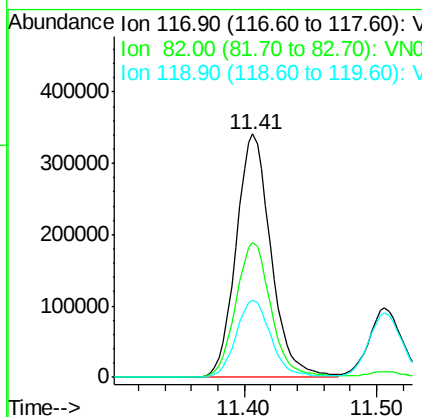
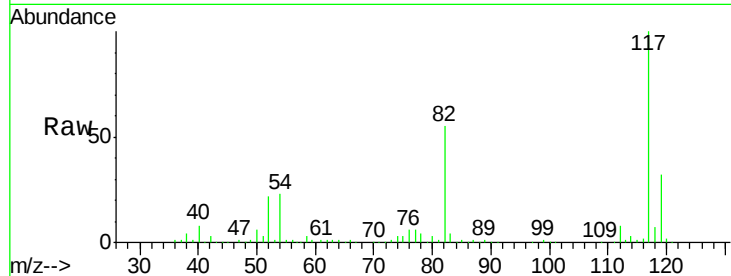
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.3	67.9
119	31.7	25.8	38.6

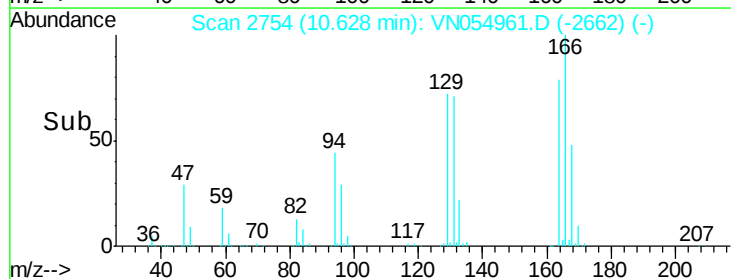
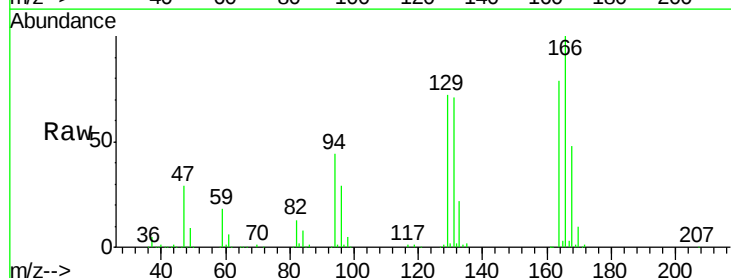
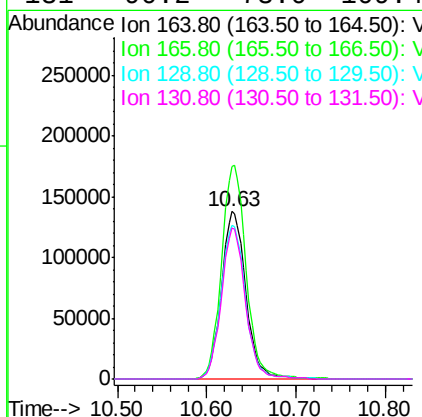
Manual Integrations
APPROVED

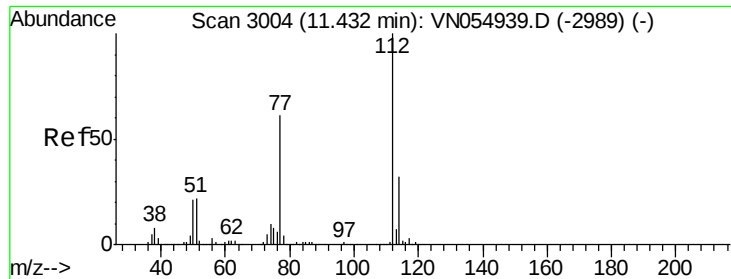
MMDadoda
4/8/2019 3:34:04 AM



#64
Tetrachloroethene
Concen: 51.928 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.1	154.7
129	92.0	73.9	110.9
131	90.2	73.0	109.4





#65

Chlorobenzene

Concen: 50.845 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 646205

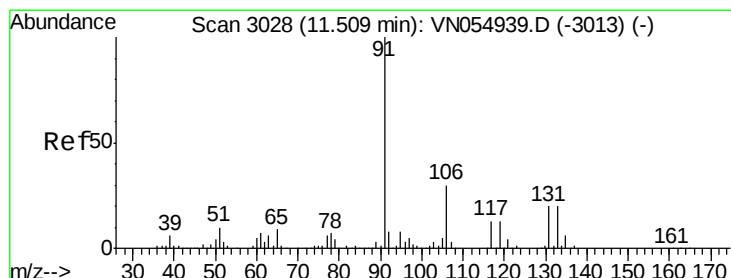
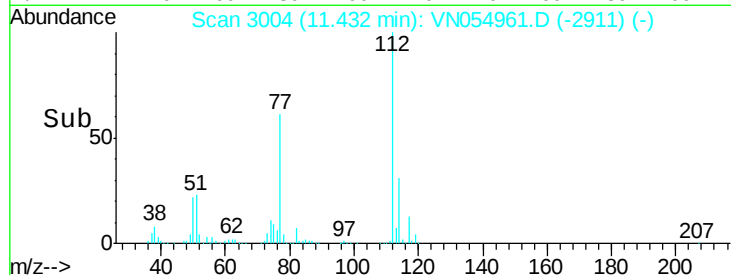
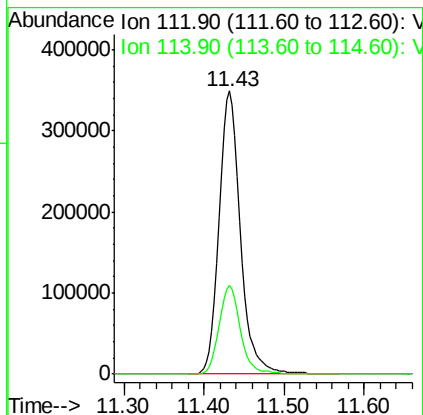
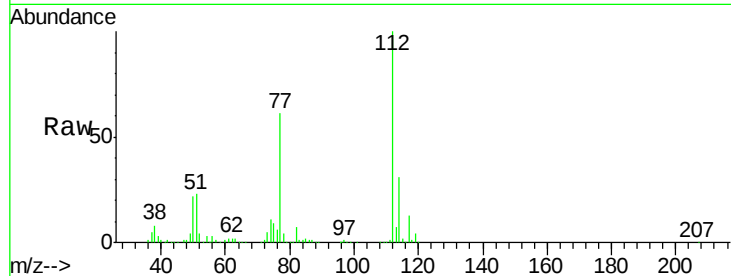
Ion Ratio Lower Upper

112 100

114 31.3 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
4/8/2019 3:34:04 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.614 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

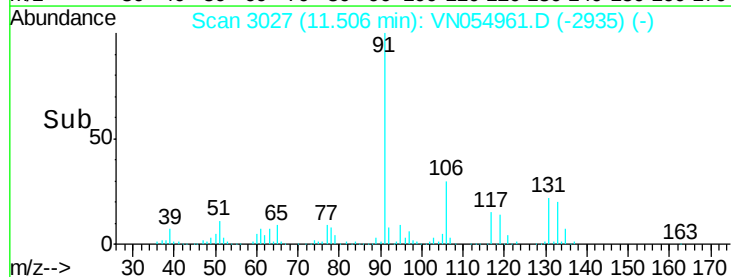
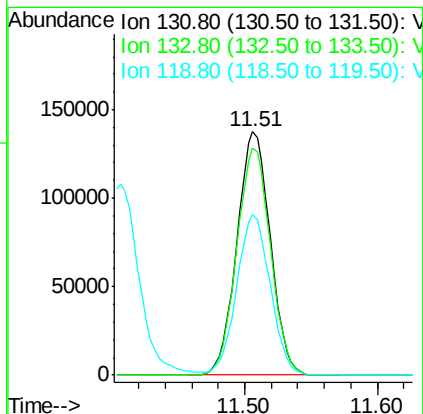
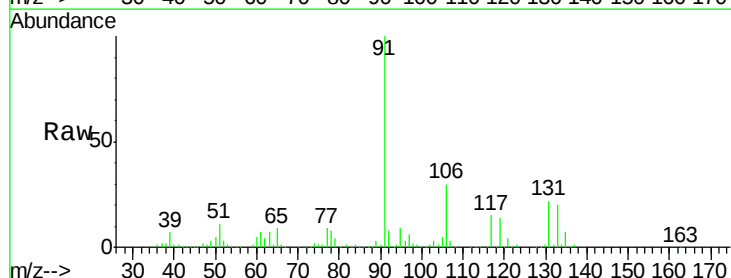
Tgt Ion:131 Resp: 240173

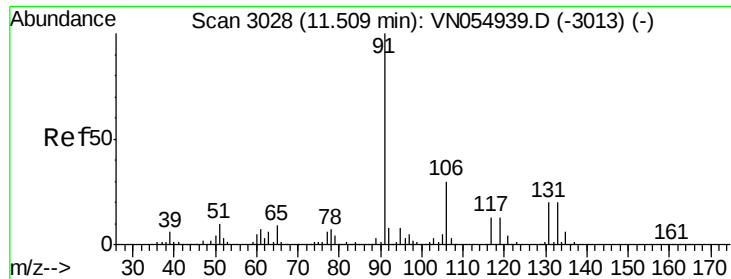
Ion Ratio Lower Upper

131 100

133 94.5 48.1 144.4

119 66.0 33.1 99.2





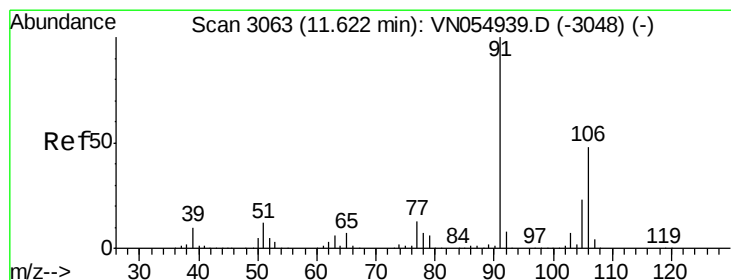
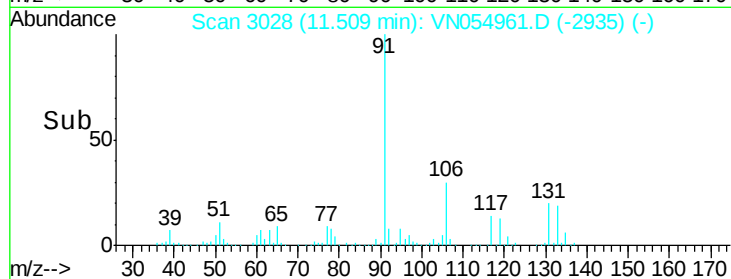
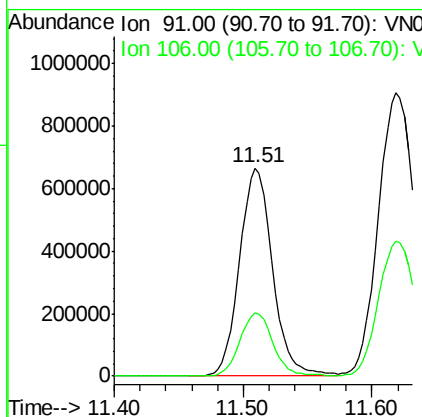
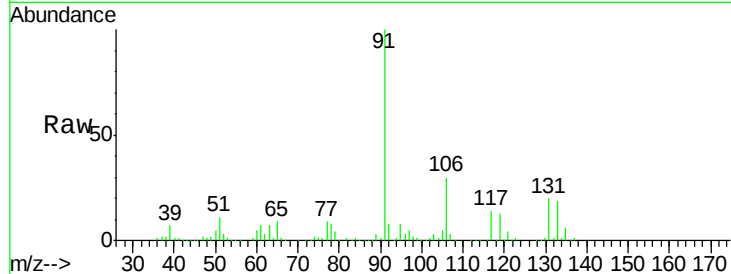
#67
Ethyl Benzene
Concen: 51.833 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1187758
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1

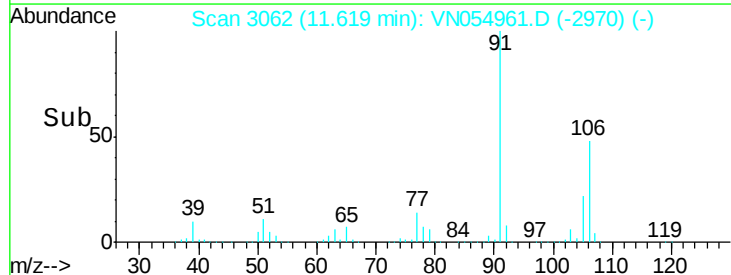
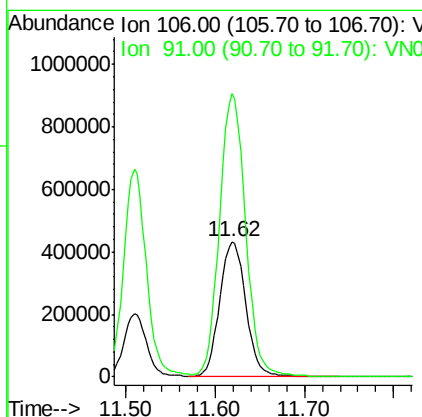
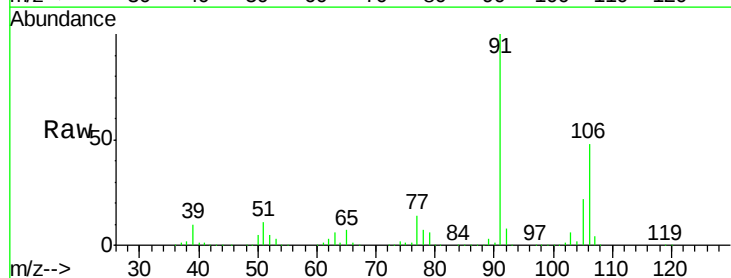
Manual Integrations
APPROVED

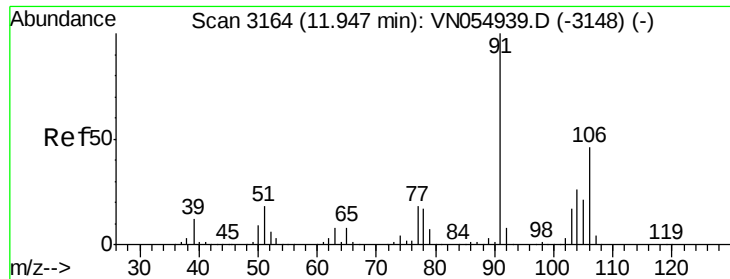
MMDadoda
4/8/2019 3:34:04 AM



#68
m/p-Xylenes
Concen: 105.624 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 106 Resp: 884801
Ion Ratio Lower Upper
106 100
91 207.8 167.4 251.2





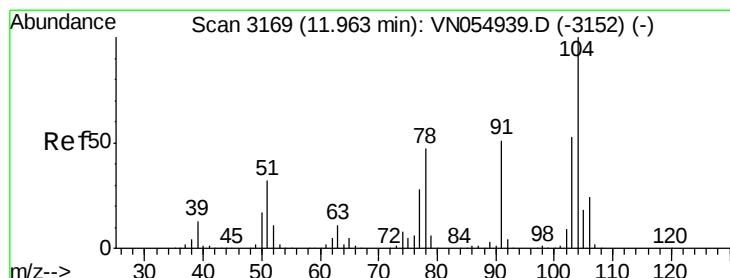
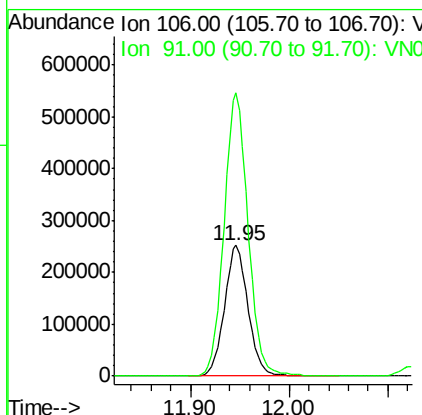
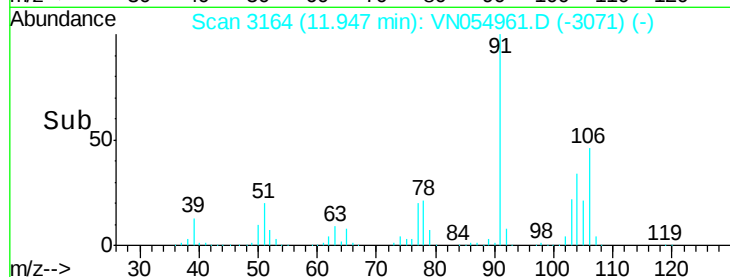
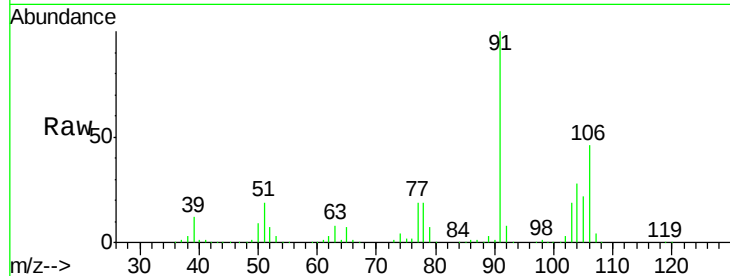
#69
o-Xylene
Concen: 51.757 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 422902
Ion Ratio Lower Upper
106 100
91 220.3 109.9 329.7

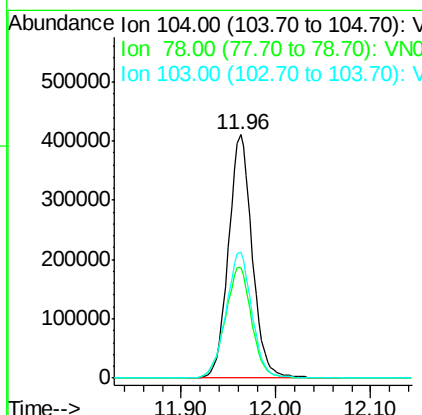
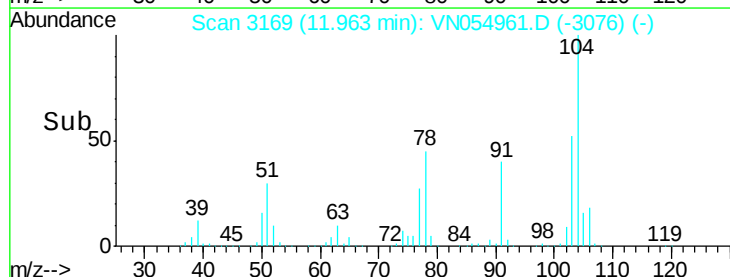
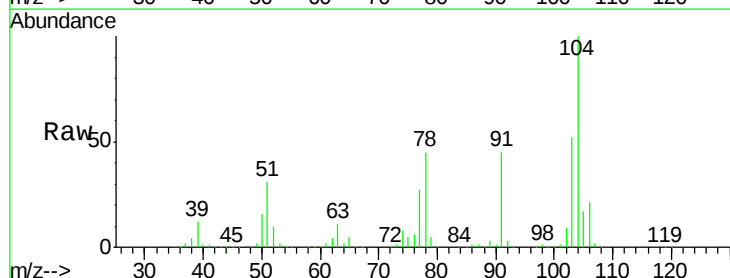
Manual Integrations
APPROVED

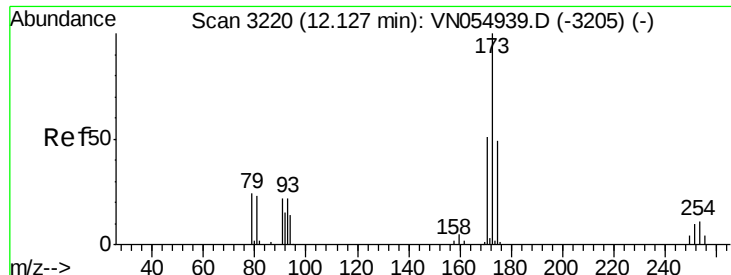
MMDadoda
4/8/2019 3:34:04 AM



#70
Styrene
Concen: 54.628 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion:104 Resp: 715958
Ion Ratio Lower Upper
104 100
78 50.9 41.1 61.7
103 56.5 45.0 67.4





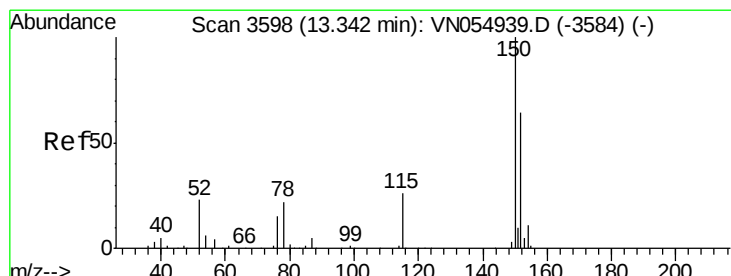
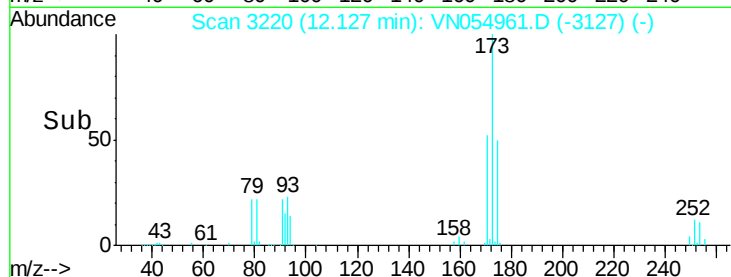
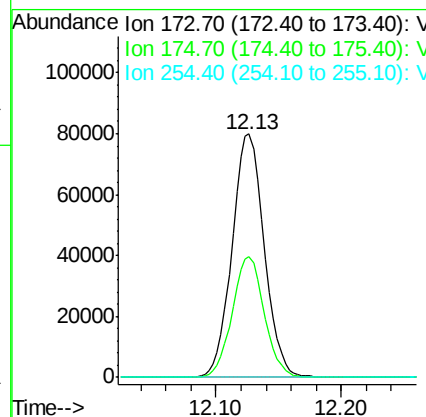
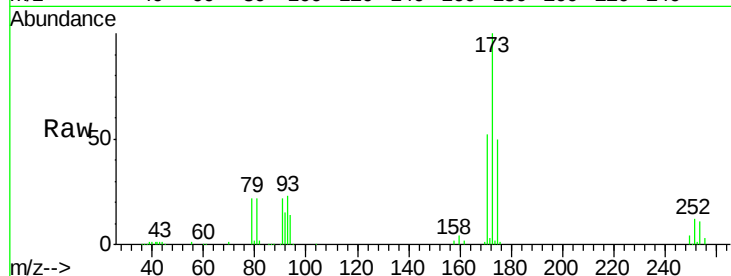
#71
Bromoform
Concen: 50.705 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.4
254	0.0	0.0	0.0

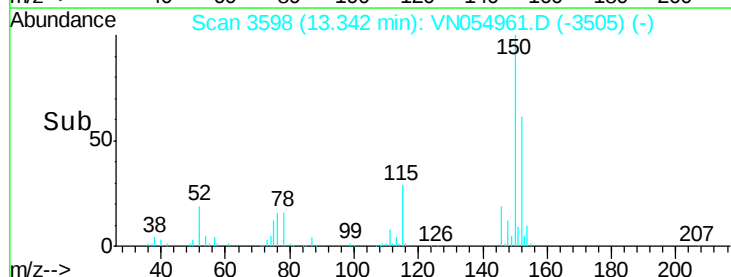
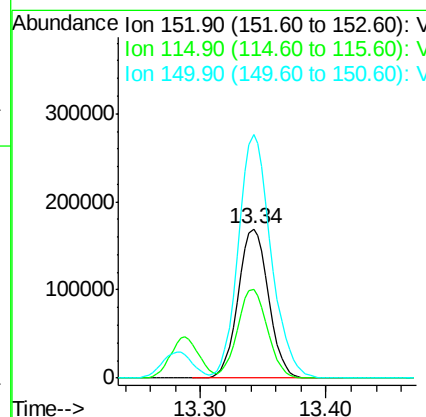
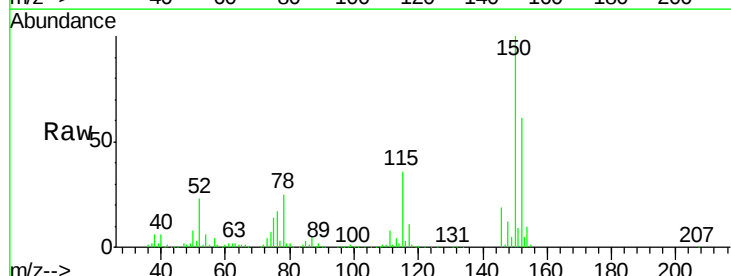
Manual Integrations
APPROVED

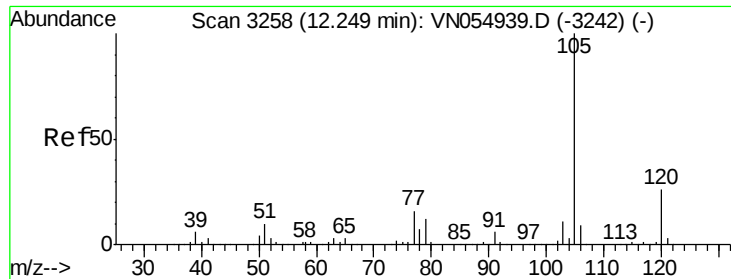
MMDadoda
4/8/2019 3:34:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.8
150	175.2	0.0	345.4





#73

Isopropylbenzene

Concen: 47.536 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1143559

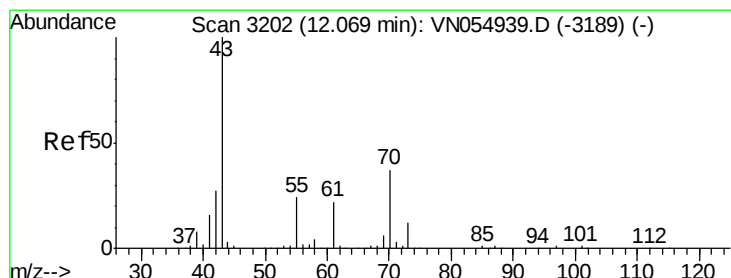
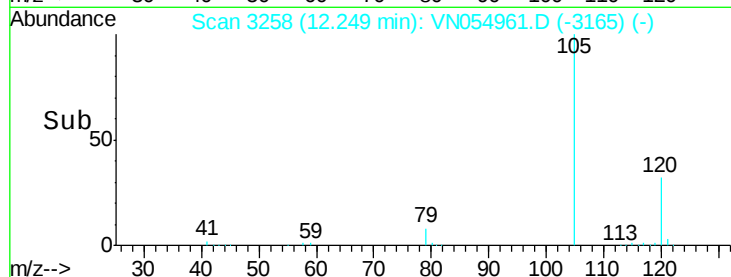
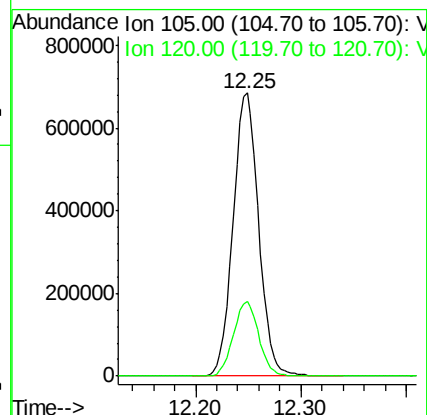
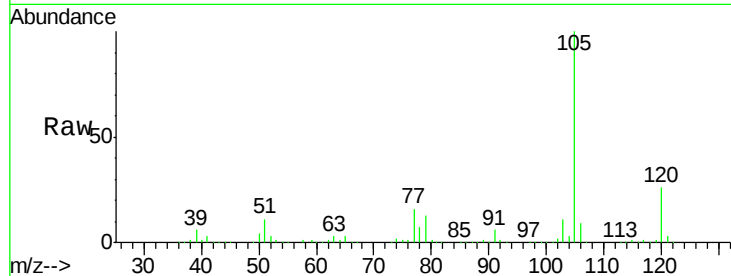
Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0

Manual Integrations
APPROVED

MMDadoda
4/8/2019 3:34:04 AM



#74

N-ethyl acetate

Concen: 48.541 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion: 43 Resp: 324579

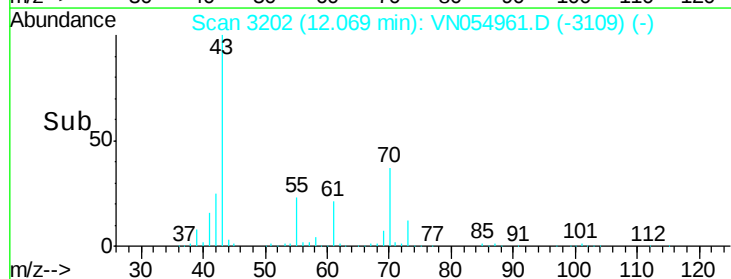
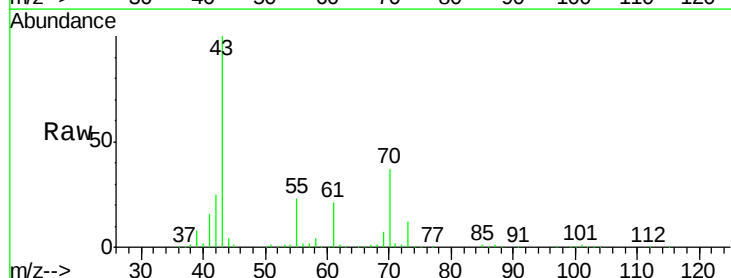
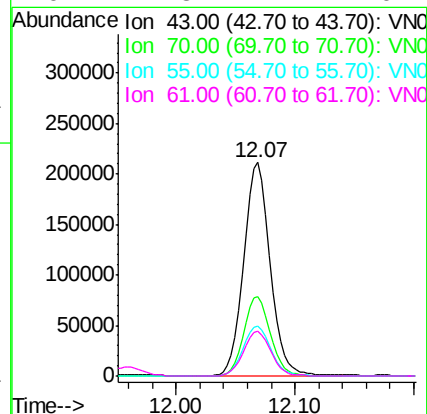
Ion Ratio Lower Upper

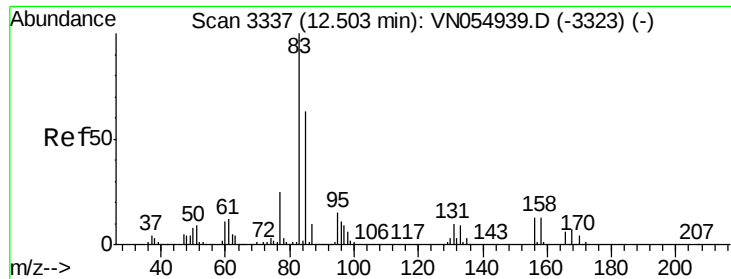
43 100

70 37.4 29.3 43.9

55 24.8 19.2 28.8

61 21.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.709 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

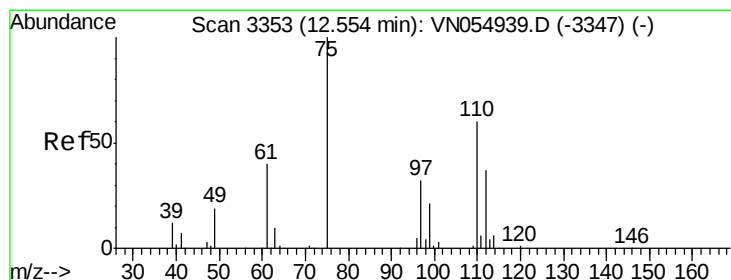
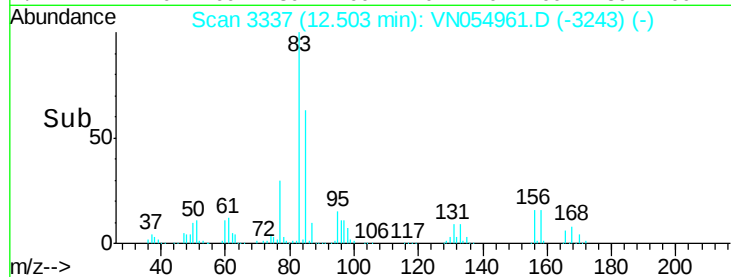
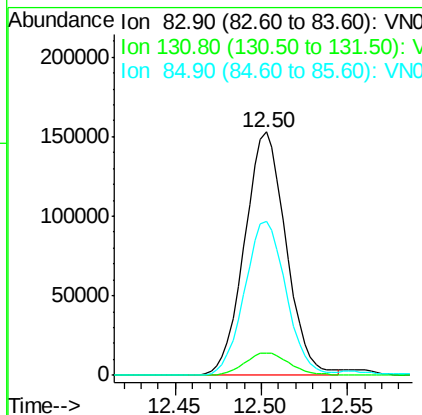
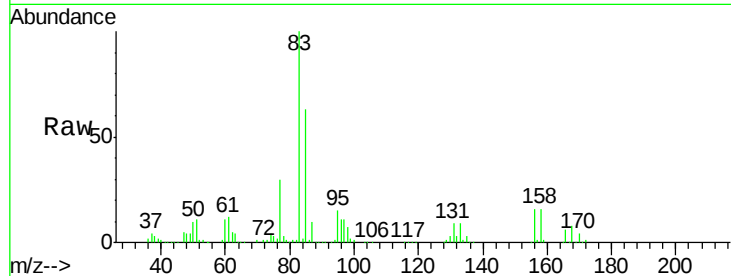
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	255748
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.3	31.4	94.0

Manual Integrations
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4/8/2019 3:34:04 AM



#76

1,2,3-Trichloropropane

Concen: 46.378 ug/l m

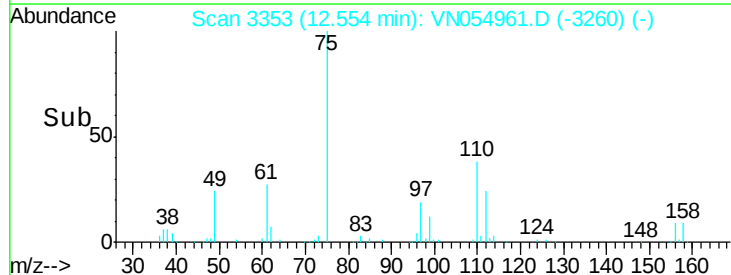
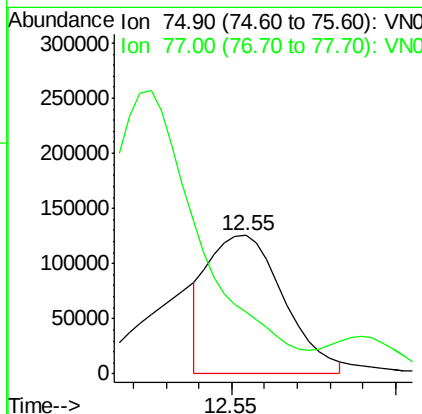
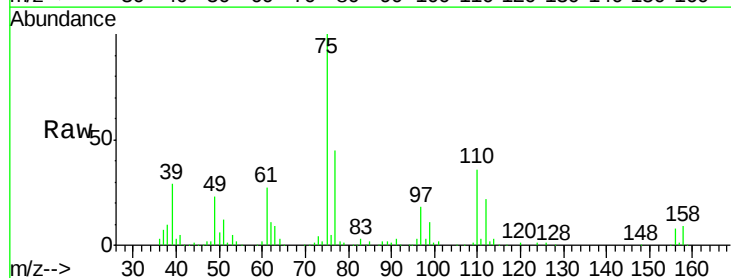
RT: 12.55 min Scan# 3353

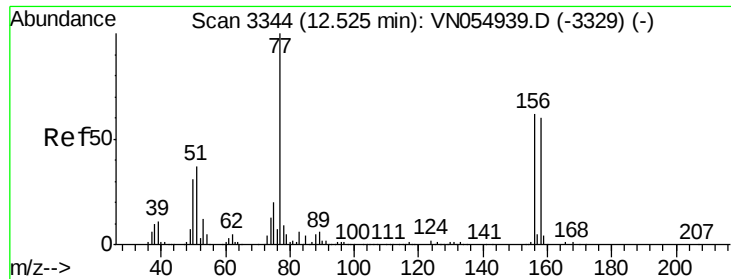
Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion:	75	Resp:	204446
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





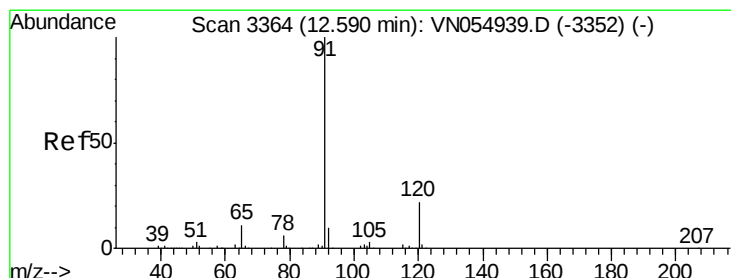
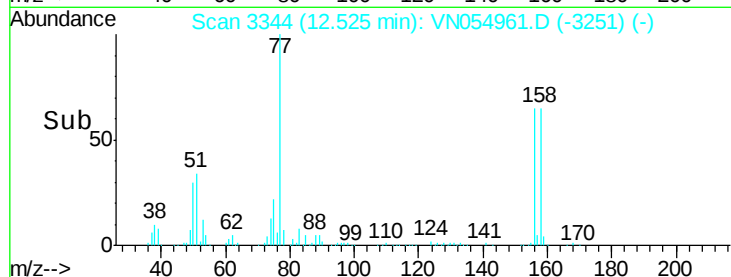
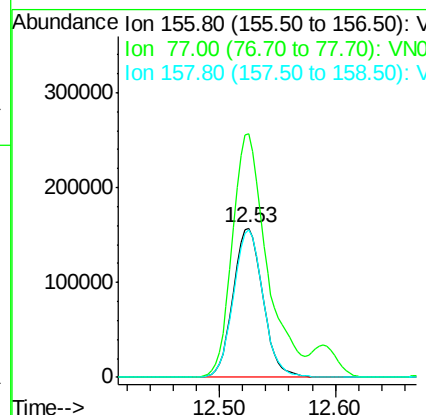
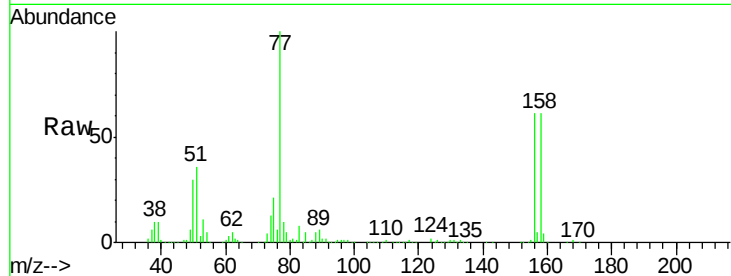
#77
Bromobenzene
Concen: 47.776 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	189.5	93.1	279.3	
158	98.3	48.4	145.3	

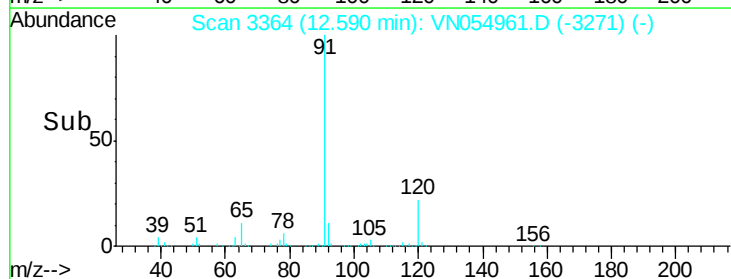
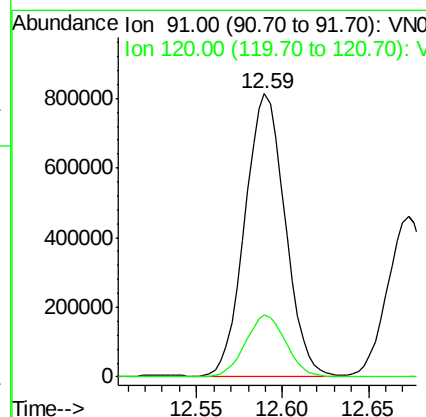
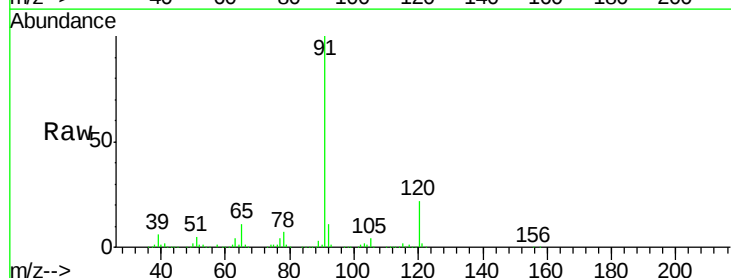
Manual Integrations
APPROVED

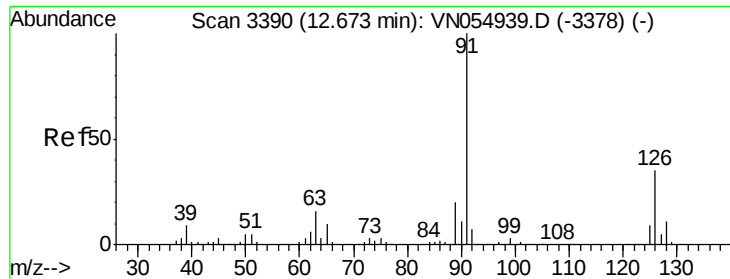
MMDadoda
4/8/2019 3:34:04 AM



#78
n-propylbenzene
Concen: 49.795 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.2	33.6	





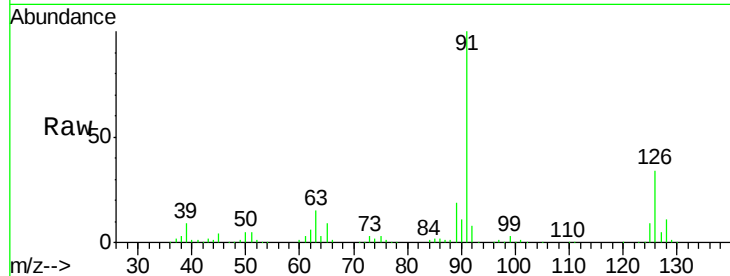
#79
 2-Chlorotoluene
 Concen: 47.467 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

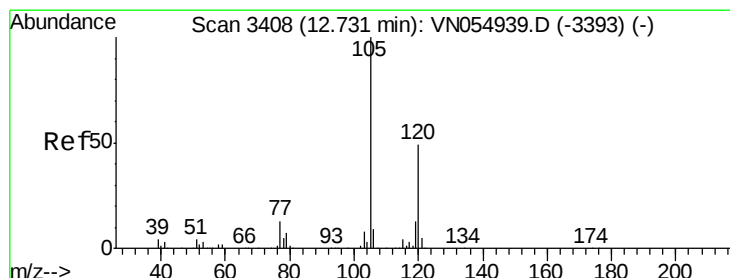
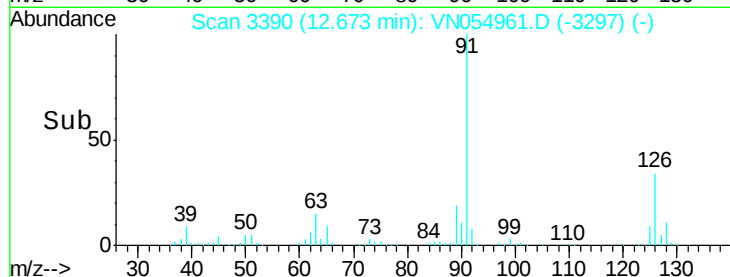
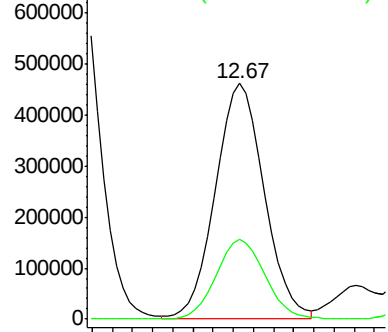
Tot Ion: 91 Resp: 779689
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.4 52.2

Manual Integrations
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MMDadoda
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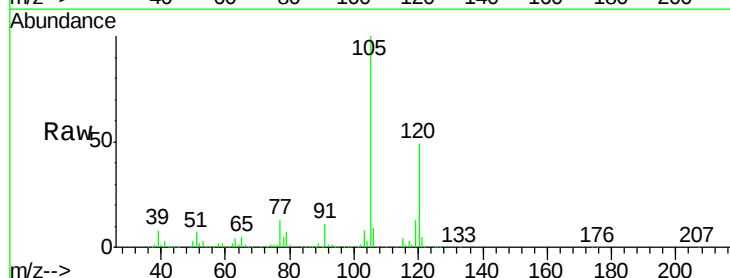


Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN054939.D (-3378) (-)

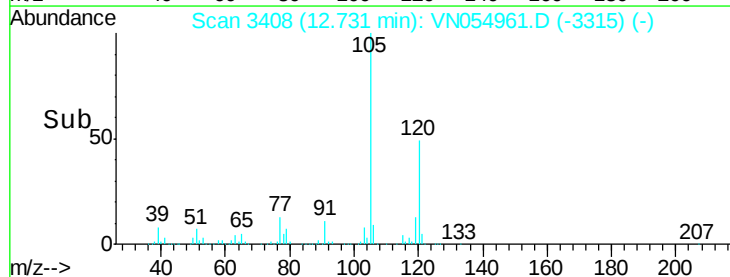
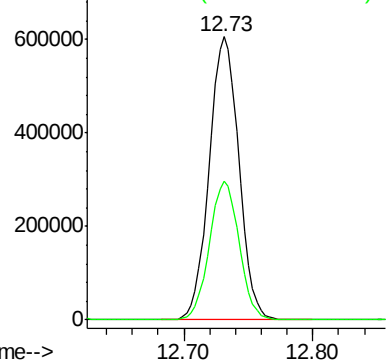


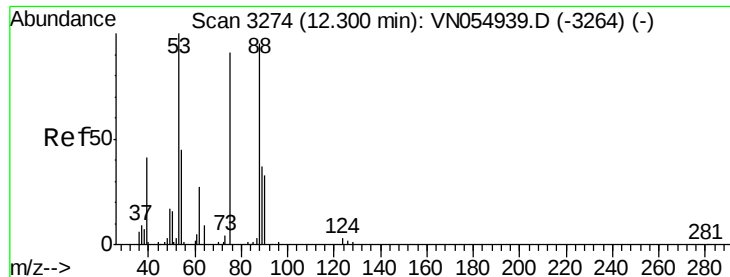
#80
 1,3,5-Trimethylbenzene
 Concen: 48.898 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 105 Resp: 966069
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054939.D (-3393) (-)
 Ion 120.00 (119.70 to 120.70): VN054939.D (-3393) (-)





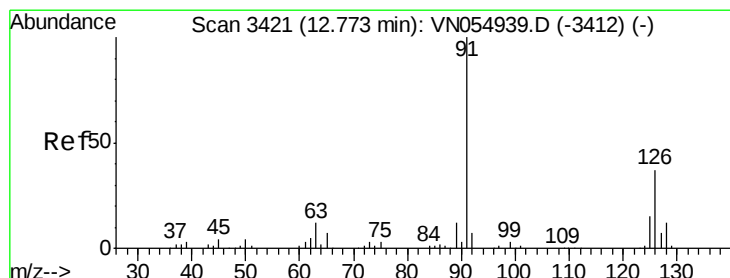
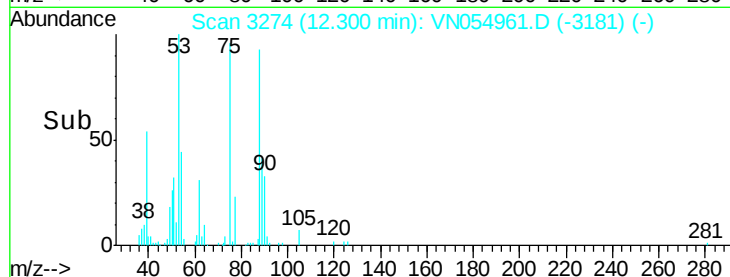
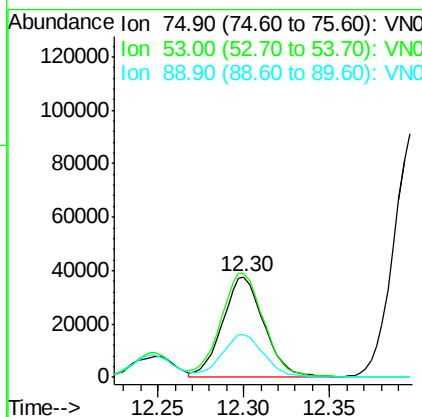
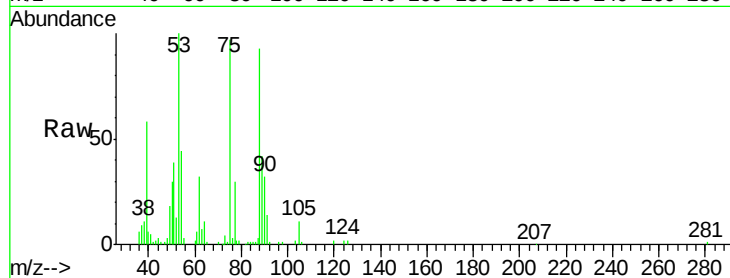
#81
trans-1,4-Dichloro-2-butene
Concen: 50.884 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.2	92.8	139.2
89	43.7	36.7	55.1

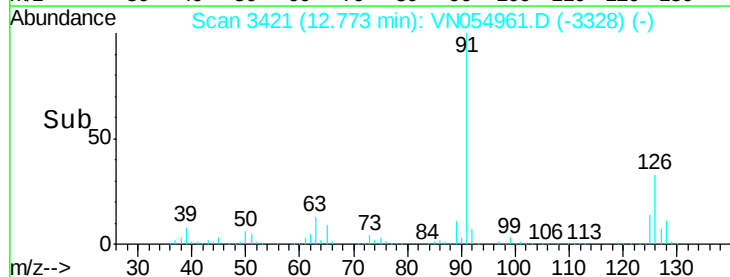
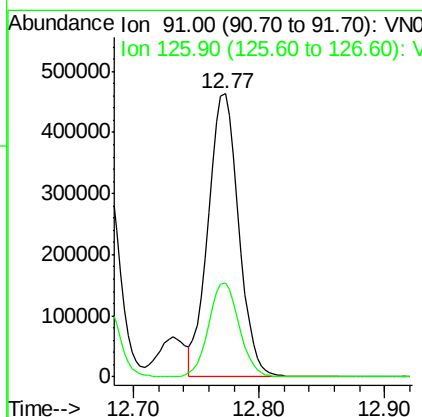
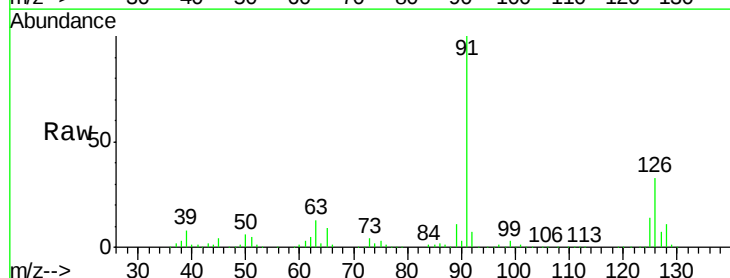
Manual Integrations
APPROVED

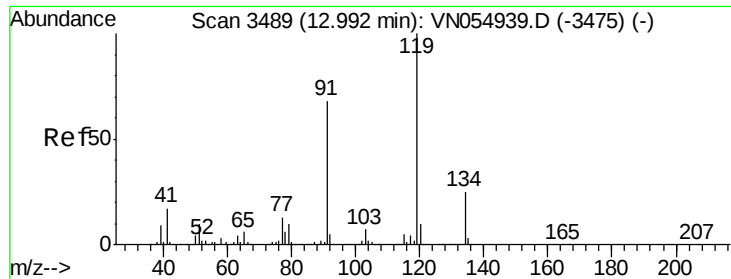
MMDadoda
4/8/2019 3:34:04 AM



#82
4-Chlorotoluene
Concen: 50.325 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.9	50.7





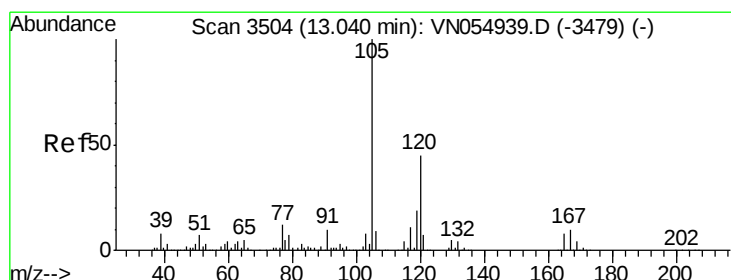
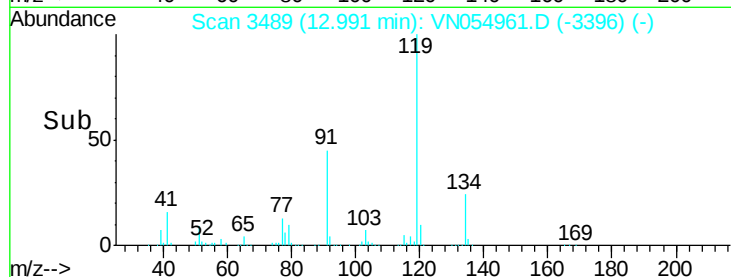
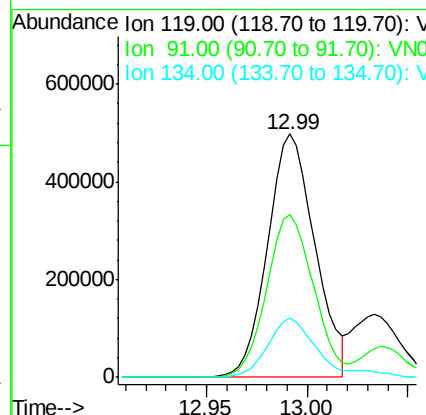
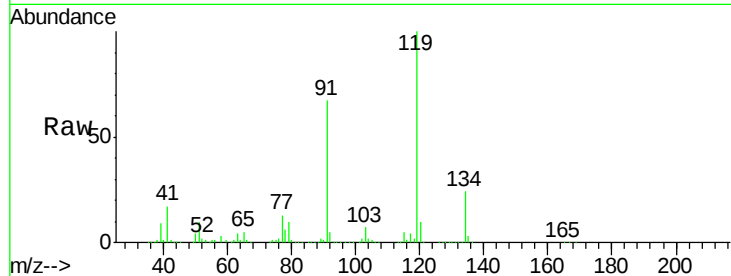
#83
tert-Butylbenzene
Concen: 48.261 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.5	100.5
134	26.0	12.4	37.0

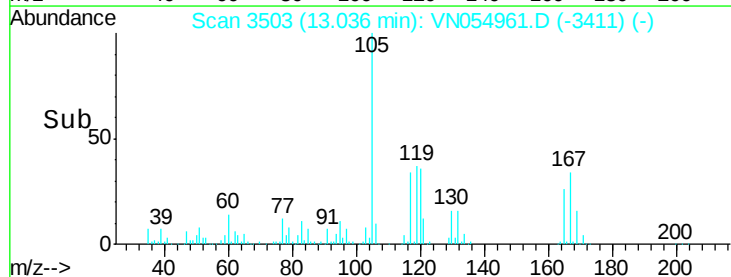
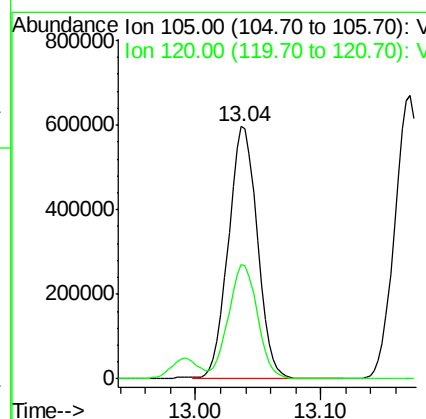
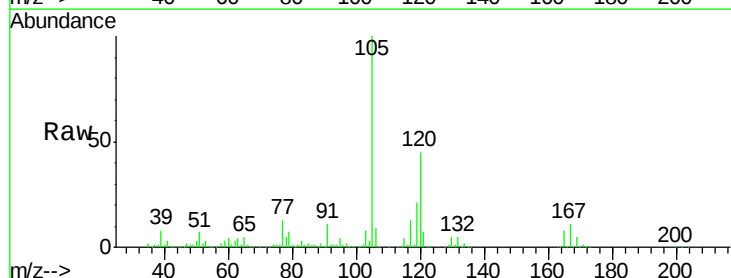
Manual Integrations
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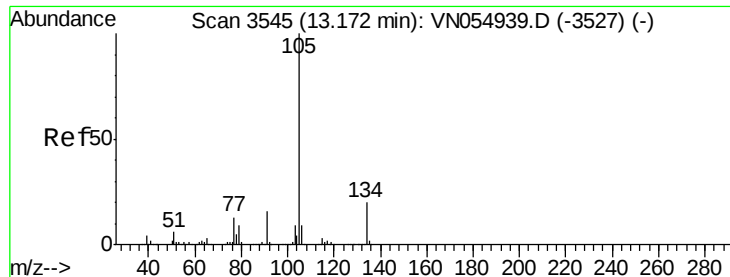
MMDadoda
4/8/2019 3:34:04 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.077 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.3





#85

sec-Butylbenzene

Concen: 49.092 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1067190

Ion Ratio Lower Upper

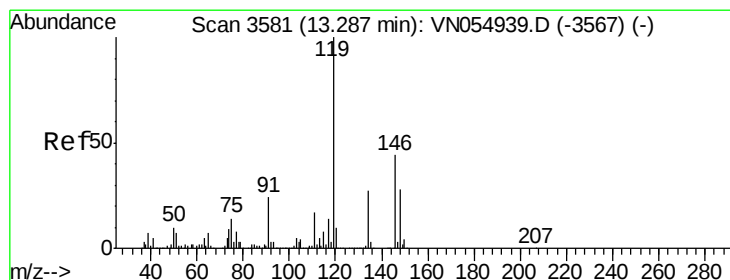
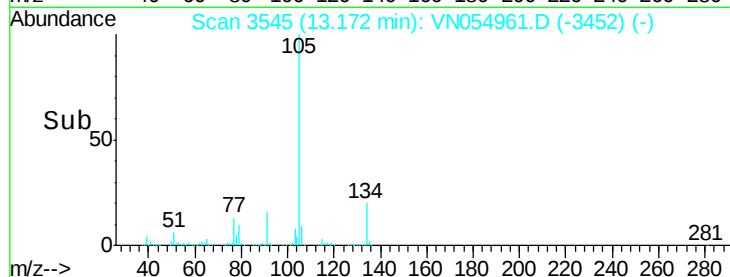
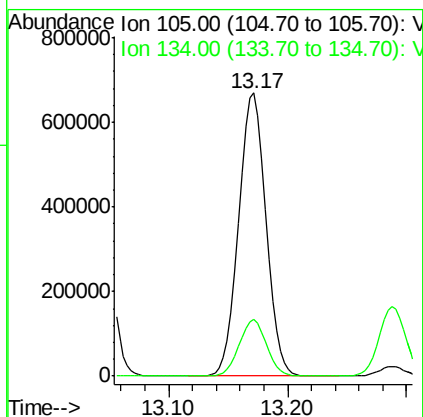
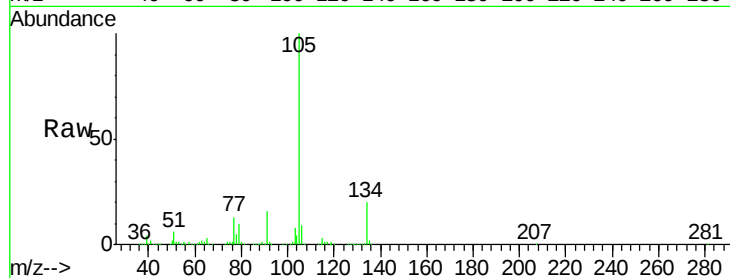
105 100

134 20.0 9.8 29.5

Manual Integrations
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MMDadoda

4/8/2019 3:34:04 AM



#86

p-Isopropyltoluene

Concen: 51.664 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

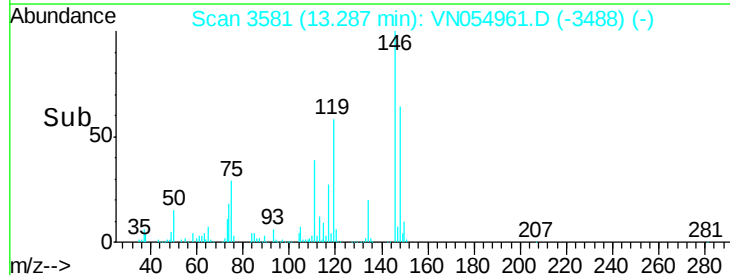
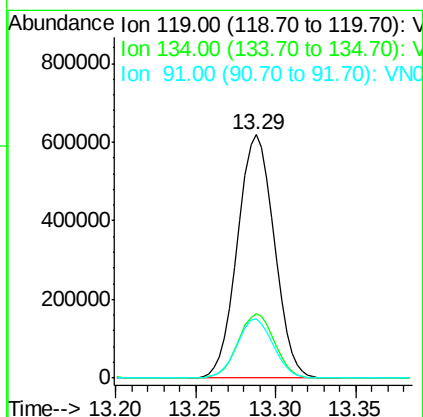
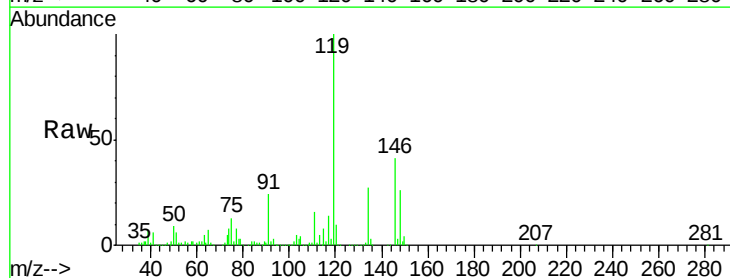
Tgt Ion:119 Resp: 967693

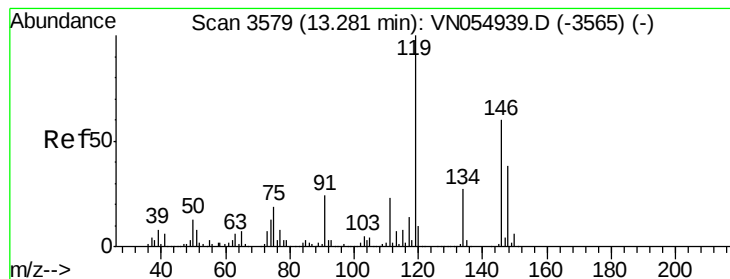
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.5

91 24.0 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 50.107 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

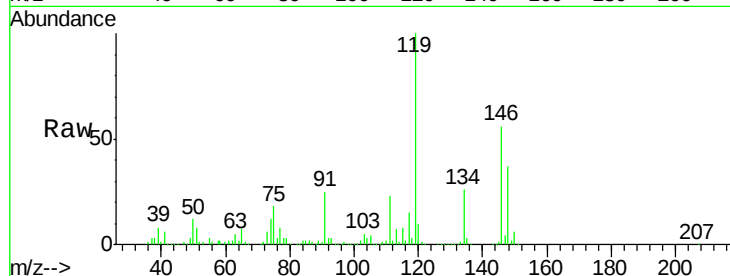
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	485590
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.6	58.7
148	64.5	31.7	95.1

Manual Integrations
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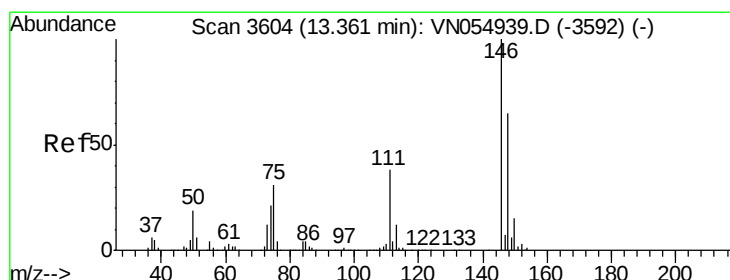
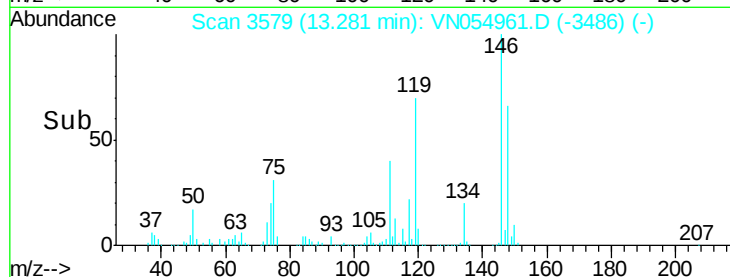
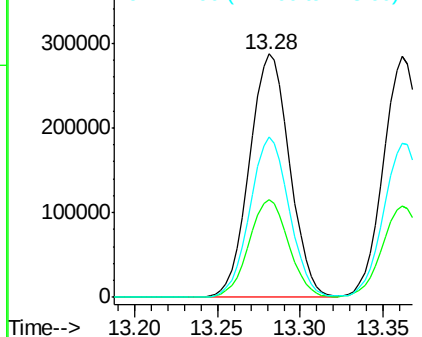


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.689 ug/l

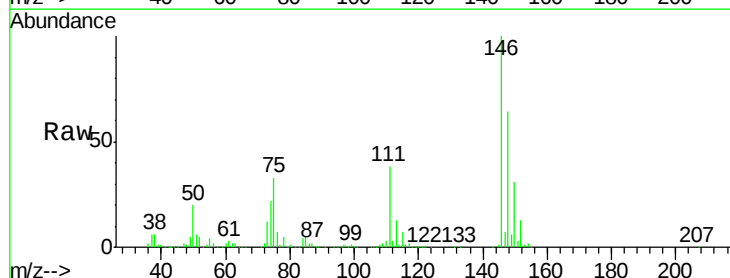
RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion:	146	Resp:	467650
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.2	57.6
148	65.0	31.9	95.7

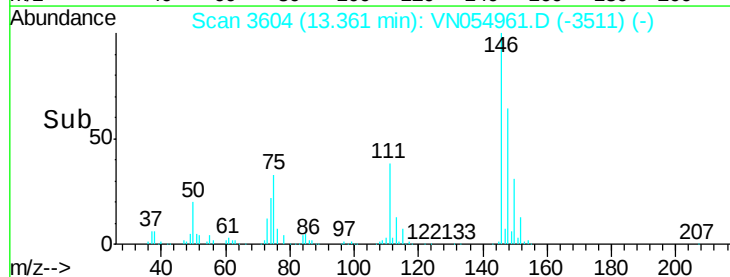
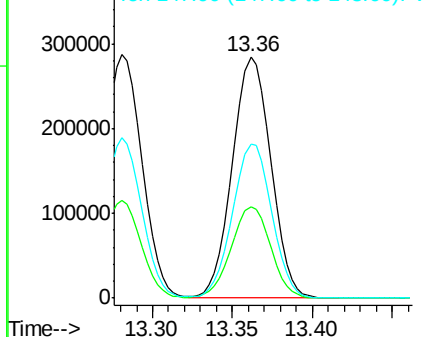


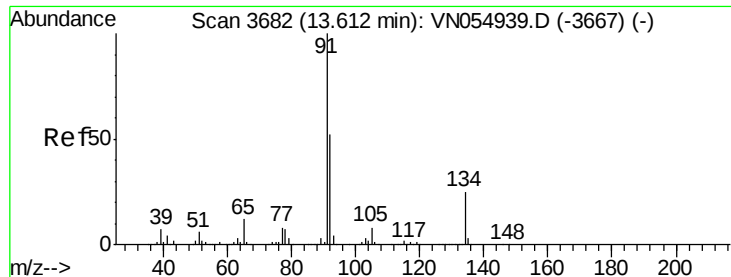
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





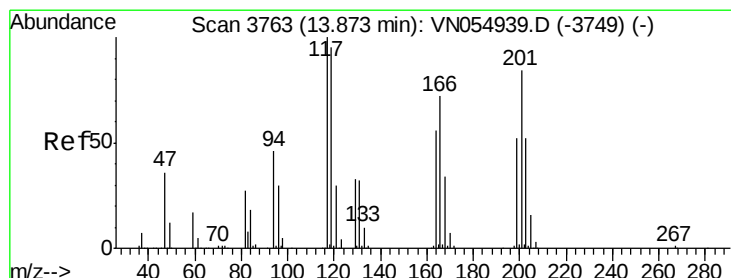
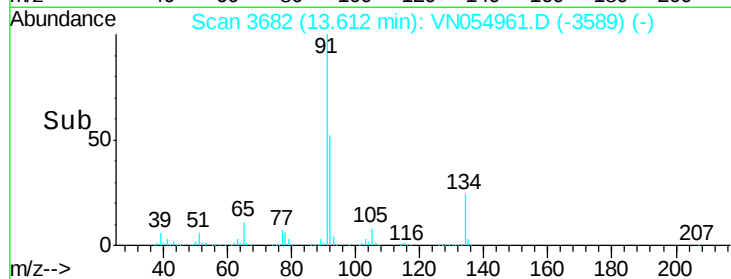
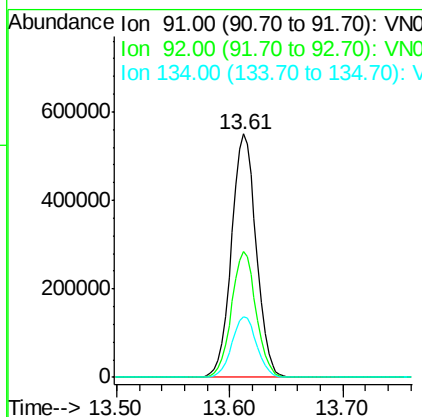
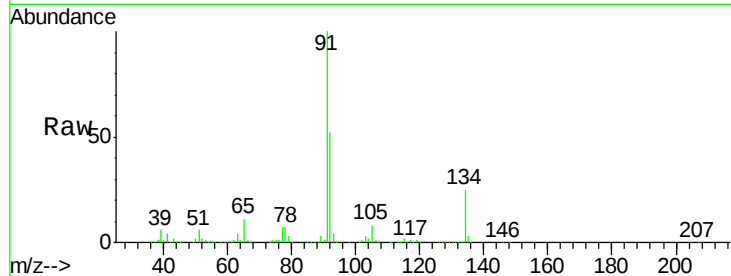
#89
n-Butylbenzene
Concen: 55.741 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	25.2	12.6	37.8

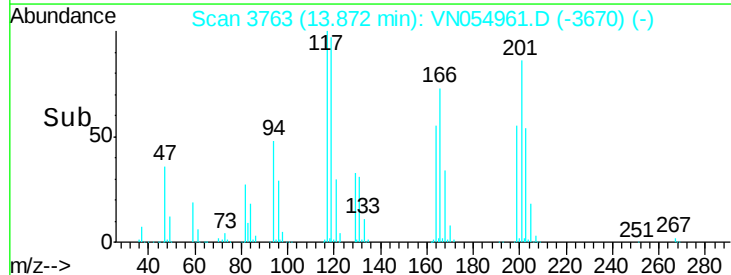
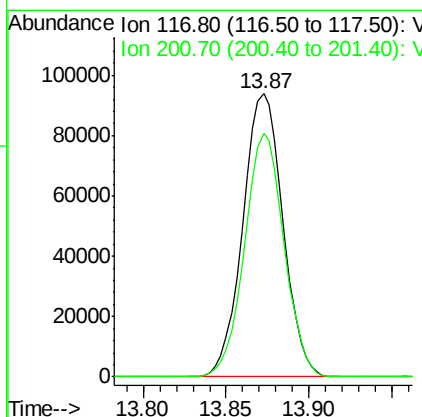
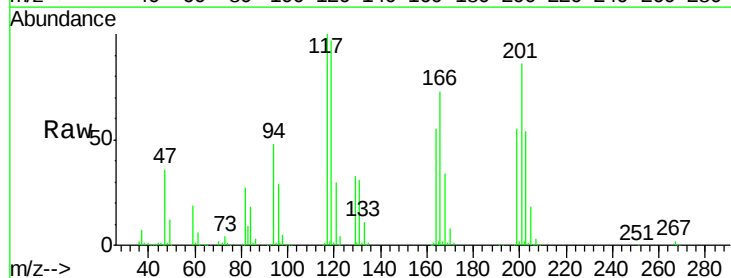
Manual Integrations
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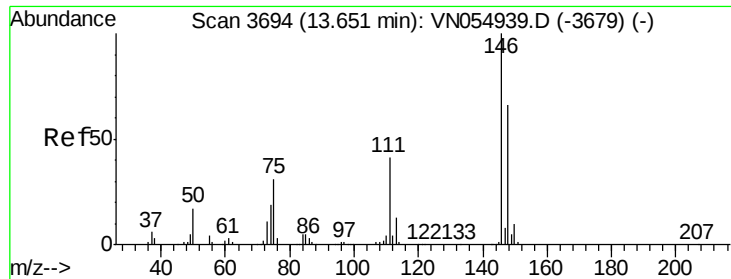
MMDadoda
4/8/2019 3:34:04 AM



#90
Hexachloroethane
Concen: 50.146 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 49.300 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

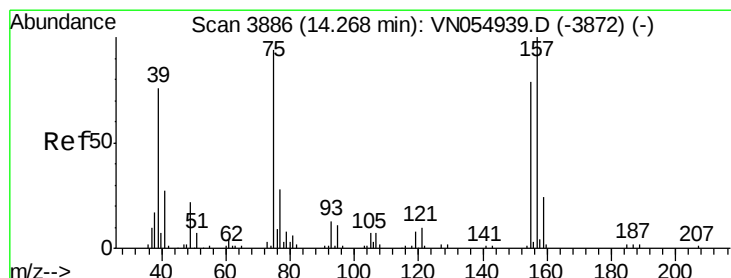
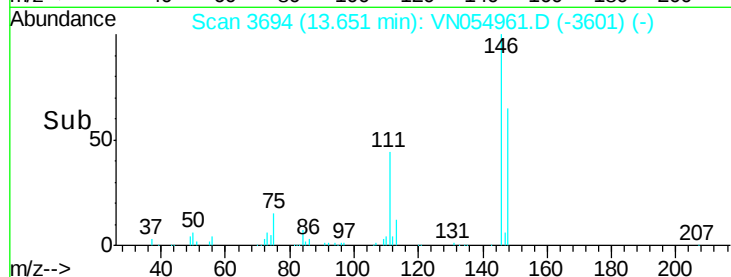
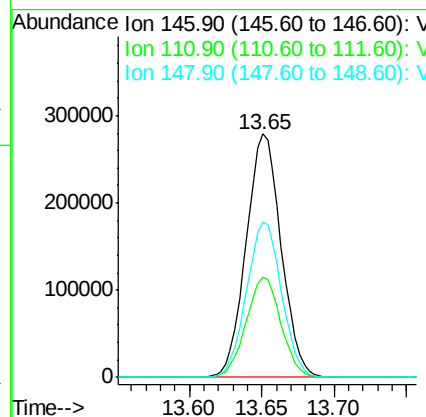
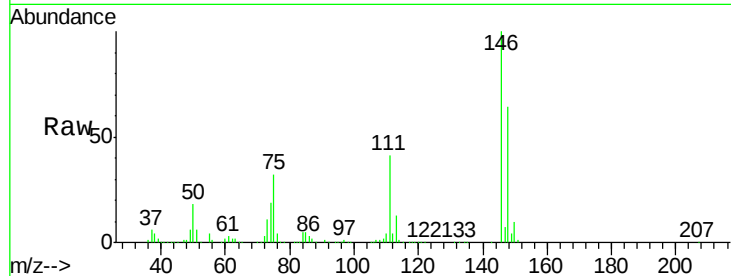
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	469087
Ion Ratio		Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.9	32.1	96.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.423 ug/l

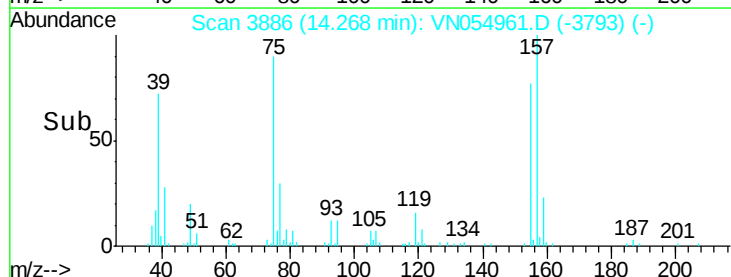
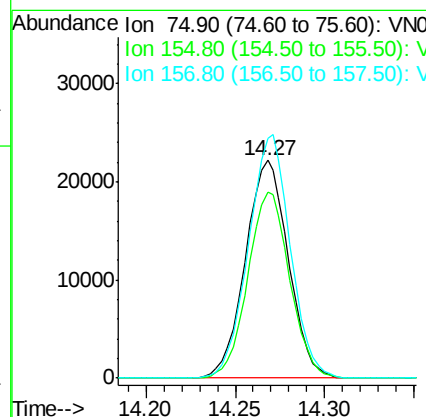
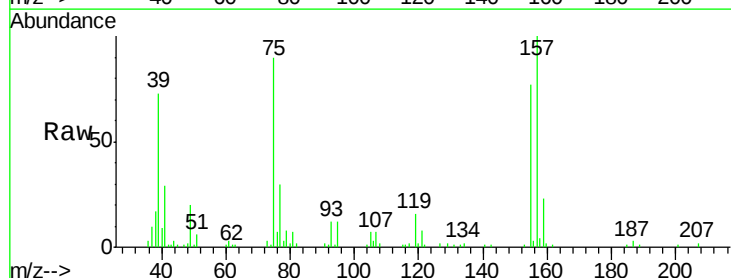
RT: 14.27 min Scan# 3886

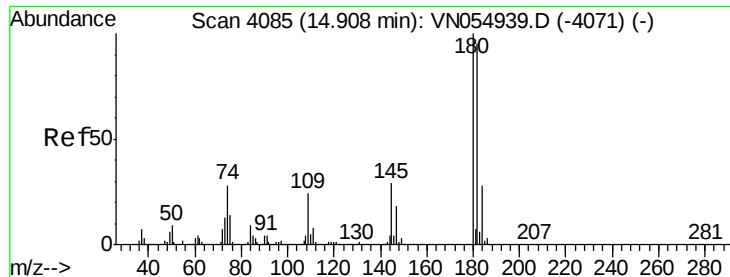
Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion:	75	Resp:	37404
Ion Ratio		Lower	Upper
75	100		
155	83.0	41.5	124.6
157	108.8	54.4	163.2





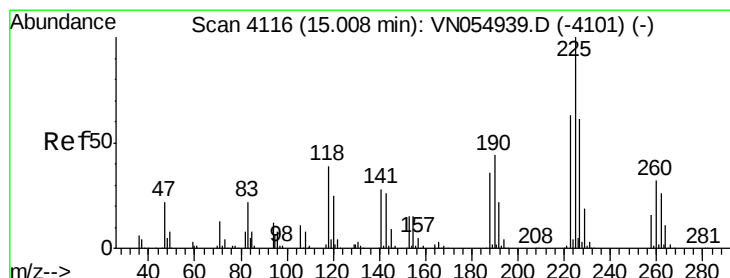
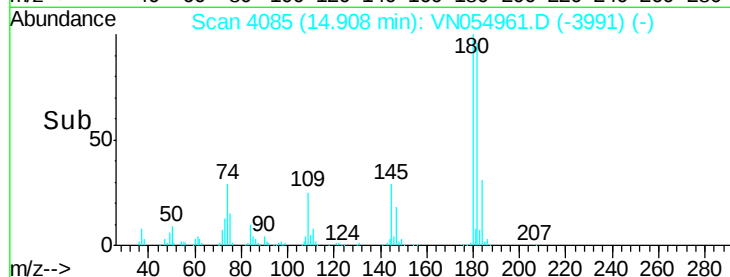
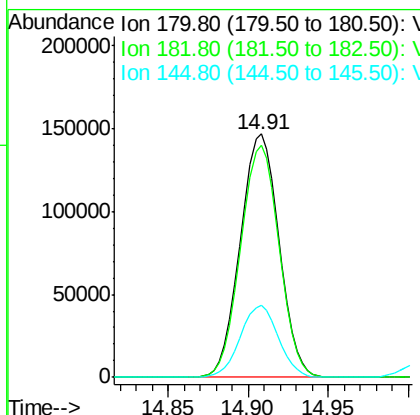
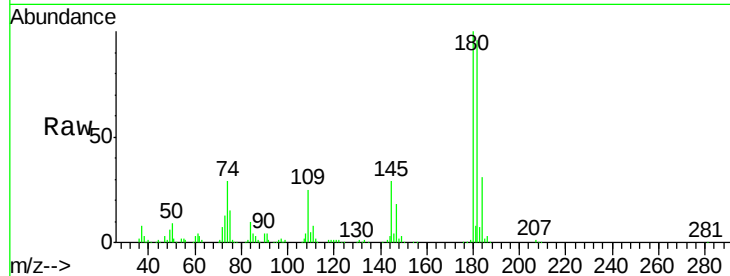
#93
 1,2,4-Trichlorobenzene
 Concen: 48.779 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242101		
182	95.0	47.5	142.6	
145	29.2	14.6	43.8	

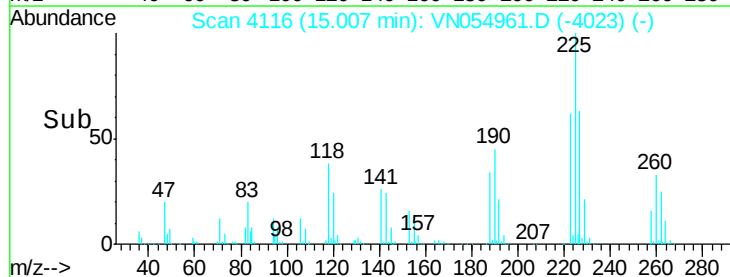
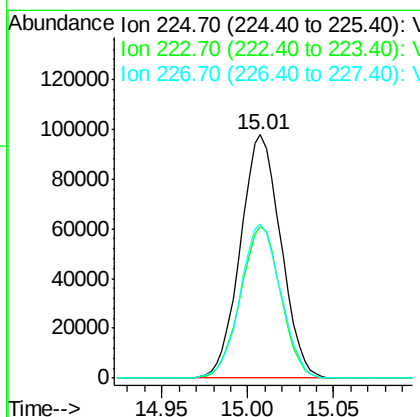
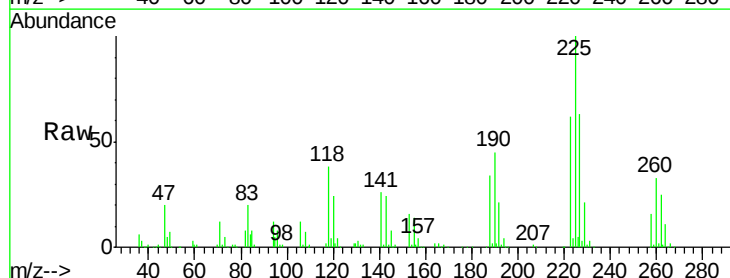
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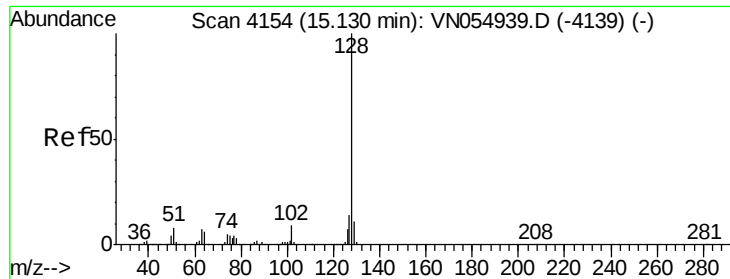
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#94
 Hexachlorobutadiene
 Concen: 50.143 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159617		
223	61.7	31.1	93.5	
227	63.0	30.9	92.5	





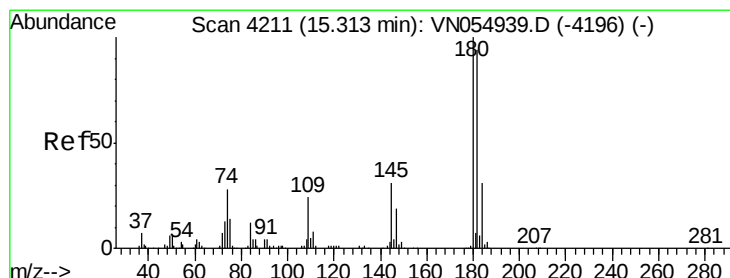
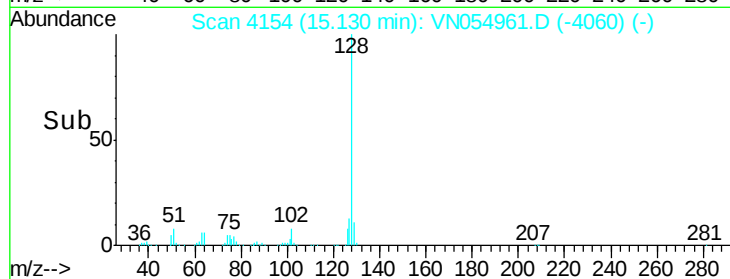
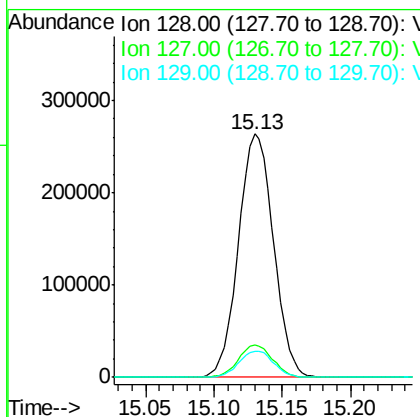
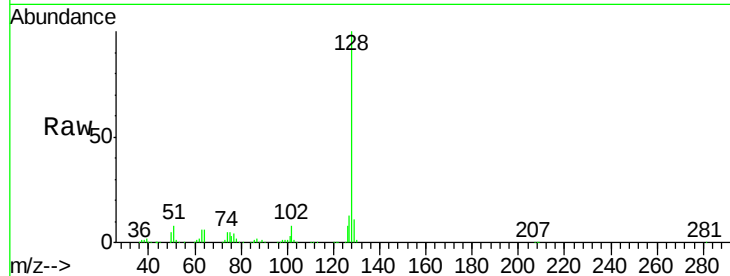
#95
Naphthalene
Concen: 43.995 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		470294		
127	13.0		10.6	16.0	
129	10.8		8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.451 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		229179		
182	96.6		47.5	142.5	
145	31.2		15.6	46.8	

