

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049730.D
 Acq On : 6 Jul 2018 10:04
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 6:00:29 PM

Quant Time: Jul 06 13:39:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	946754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1350190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1230323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	707522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	491388	39.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.60%	
35) Dibromofluoromethane	7.59	113	423350	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	
50) Toluene-d8	10.09	98	1619494	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	
62) 4-Bromofluorobenzene	12.40	95	583516	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	504868	47.319	ug/l	98
3) Chloromethane	2.06	50	638251	47.895	ug/l	100
4) Vinyl Chloride	2.18	62	695050	48.563	ug/l	99
5) Bromomethane	2.56	94	315292	41.938	ug/l	99
6) Chloroethane	2.70	64	442755	48.875	ug/l	100
7) Trichlorofluoromethane	3.01	101	924222	56.532	ug/l	99
8) Diethyl Ether	3.41	74	323321	48.791	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	591468	50.285	ug/l	99
10) Methyl Iodide	3.94	142	642791	43.666	ug/l	97
11) Tert butyl alcohol	4.80	59	181476	252.944	ug/l	100
12) 1,1-Dichloroethene	3.73	96	528011	47.483	ug/l	100
13) Acrolein	3.61	56	178844	266.867	ug/l	98
14) Allyl chloride	4.32	41	821014	53.751	ug/l	98
15) Acrylonitrile	4.99	53	946756	255.497	ug/l	98
16) Acetone	3.82	43	741915	296.981	ug/l	99
17) Carbon Disulfide	4.05	76	1461640	47.741	ug/l	100
18) Methyl Acetate	4.33	43	491973	43.727	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1434097	50.028	ug/l	98
20) Methylene Chloride	4.55	84	622631	48.361	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	565630	49.425	ug/l	97
22) Diisopropyl ether	5.96	45	1778016	51.450	ug/l	97
23) Vinyl Acetate	5.90	43	5371363	239.686	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1068832	49.095	ug/l	99
25) 2-Butanone	6.84	43	1126118	271.312	ug/l	99
26) 2,2-Dichloropropane	6.82	77	911393	50.404	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	633350	49.543	ug/l	100
28) Bromochloromethane	7.19	49	379760	41.100	ug/l	99
29) Tetrahydrofuran	7.21	42	693479	262.138	ug/l	99
30) Chloroform	7.37	83	1101820	49.648	ug/l	99
31) Cyclohexane	7.65	56	923424	49.474	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	934588	49.741	ug/l	98
36) 1,1-Dichloropropene	7.79	75	825145	54.320	ug/l	100
37) Ethyl Acetate	6.93	43	487876	55.064	ug/l	99
38) Carbon Tetrachloride	7.77	117	791999	53.598	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049730.D
 Acq On : 6 Jul 2018 10:04
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 6:00:29 PM

Quant Time: Jul 06 13:39:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	911980	54.757	ug/l	96
40) Benzene	8.04	78	2467045	53.188	ug/l	99
41) Methacrylonitrile	7.18	41	268457	53.753	ug/l	99
42) 1,2-Dichloroethane	8.12	62	782794	52.881	ug/l	100
43) Isopropyl Acetate	8.17	43	912695	51.903	ug/l	99
44) Trichloroethene	8.84	130	699420	50.000	ug/l	98
45) 1,2-Dichloropropane	9.12	63	656786	54.806	ug/l	100
46) Dibromomethane	9.21	93	391543	54.007	ug/l	99
47) Bromodichloromethane	9.40	83	842123	54.565	ug/l	99
48) Methyl methacrylate	9.20	41	439688	55.845	ug/l	99
49) 1,4-Dioxane	9.20	88	120074	1134.393	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2489726	286.610	ug/l	100
52) Toluene	10.16	92	1532416	54.686	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	792155	53.604	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	938454	54.335	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	565417	54.191	ug/l	99
56) Ethyl methacrylate	10.43	69	685198	56.025	ug/l	99
57) 1,3-Dichloropropane	10.71	76	930002	54.968	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1261148	200.109	ug/l	100
59) 2-Hexanone	10.75	43	1730493	301.260	ug/l	99
60) Dibromochloromethane	10.90	129	636984	56.486	ug/l	100
61) 1,2-Dibromoethane	11.01	107	544915	54.506	ug/l	98
64) Tetrachloroethene	10.63	164	892794	53.592	ug/l	98
65) Chlorobenzene	11.44	112	1653538	51.520	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	619477	53.716	ug/l	100
67) Ethyl Benzene	11.51	91	2867500	54.048	ug/l	100
68) m/p-Xylenes	11.62	106	2338078	114.993	ug/l	99
69) o-Xylene	11.95	106	1096157	56.310	ug/l	98
70) Styrene	11.97	104	1818356	57.731	ug/l	100
71) Bromoform	12.13	173	427523	55.791	ug/l #	99
73) Isopropylbenzene	12.25	105	2942736	52.216	ug/l	100
74) N-amyl acetate	12.07	43	788871	51.244	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	660542	56.624	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	625437m	55.118	ug/l	
77) Bromobenzene	12.53	156	745708	48.660	ug/l	99
78) n-propylbenzene	12.59	91	3548431	54.937	ug/l	100
79) 2-Chlorotoluene	12.68	91	2079891	50.880	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2626596	56.086	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158540	47.454	ug/l	98
82) 4-Chlorotoluene	12.77	91	2135215	51.949	ug/l	100
83) tert-Butylbenzene	12.99	119	2160545	53.704	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2681261	55.718	ug/l	99
85) sec-Butylbenzene	13.17	105	3048156	57.186	ug/l	100
86) p-Isopropyltoluene	13.29	119	2720395	58.924	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1403055	54.110	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1353571	53.128	ug/l	99
89) n-Butylbenzene	13.62	91	2253223	57.007	ug/l	100
90) Hexachloroethane	13.88	117	270171	55.711	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1339781	53.840	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	100252	51.048	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
Data File : VN049730.D
Acq On : 6 Jul 2018 10:04
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

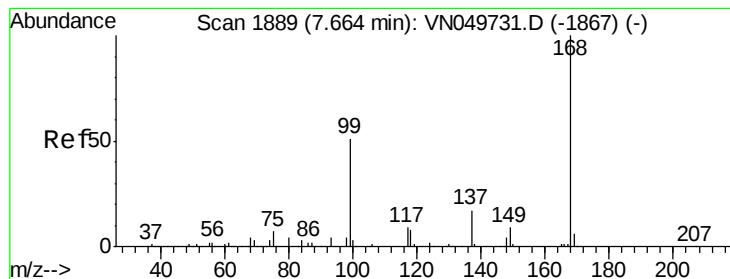
Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM

Quant Time: Jul 06 13:39:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	585692	45.171	ug/l	99
94) Hexachlorobutadiene	15.01	225	474857	63.808	ug/l	99
95) Naphthalene	15.14	128	1116114	39.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	586455	47.461	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 946754

Ion Ratio Lower Upper

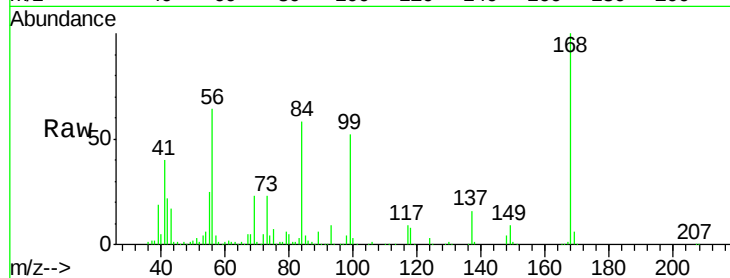
168 100

99 51.2 40.6 61.0

Manual Integrations
APPROVED

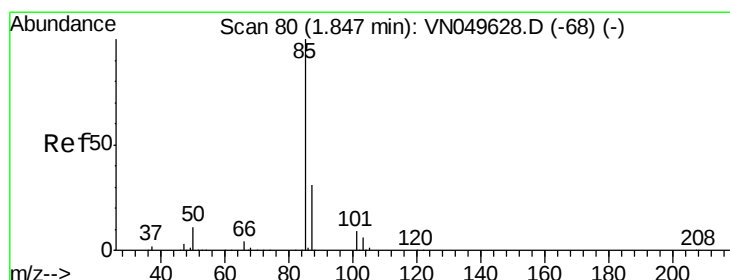
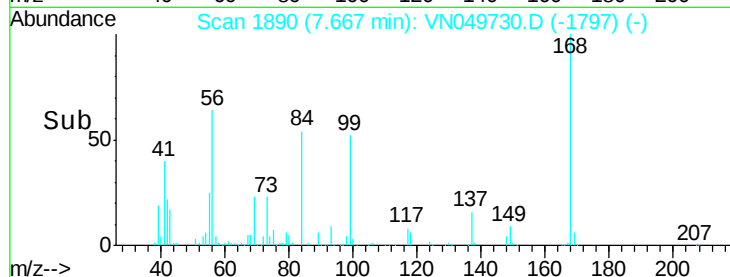
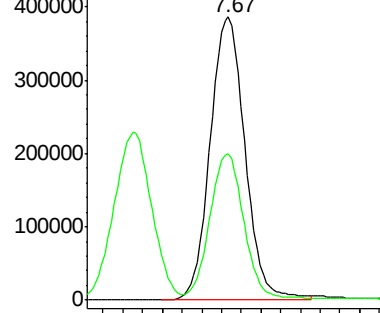
MMDadoda

7/9/2018 6:00:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 47.319 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049730.D

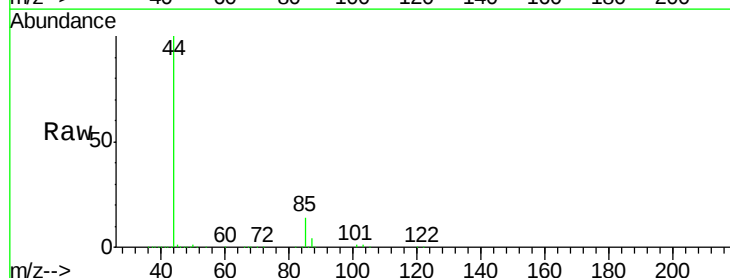
Acq: 6 Jul 2018 10:04

Tgt Ion: 85 Resp: 504868

Ion Ratio Lower Upper

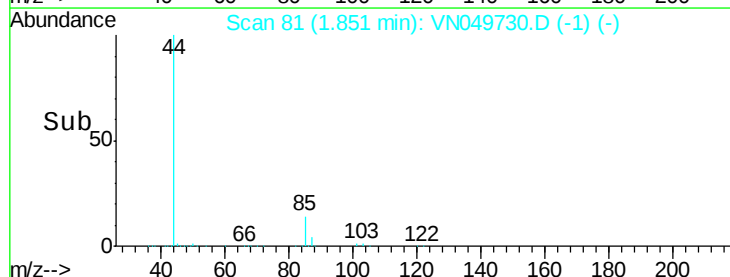
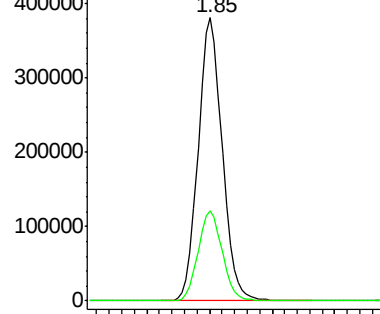
85 100

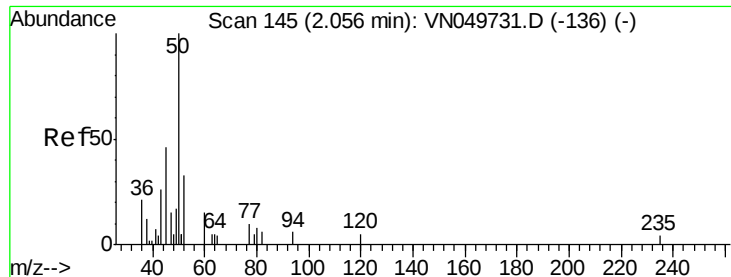
87 31.8 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 47.895 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 638251

Ion Ratio Lower Upper

50 100

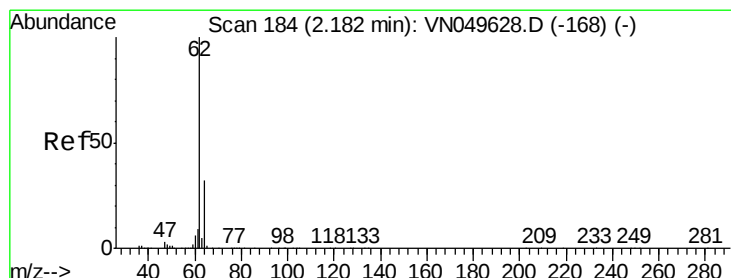
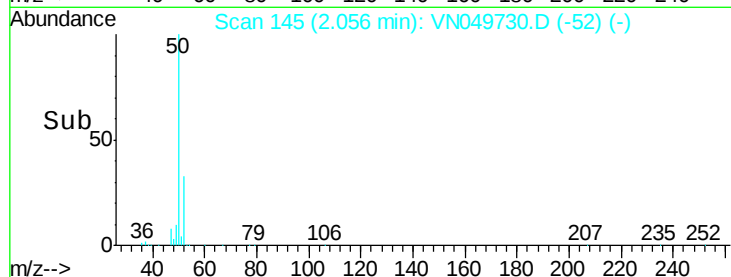
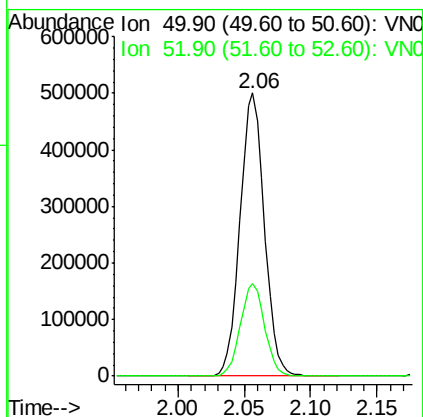
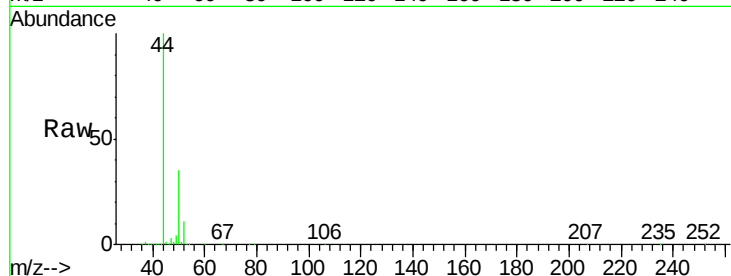
52 32.8 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



#4

Vinyl Chloride

Concen: 48.563 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049730.D

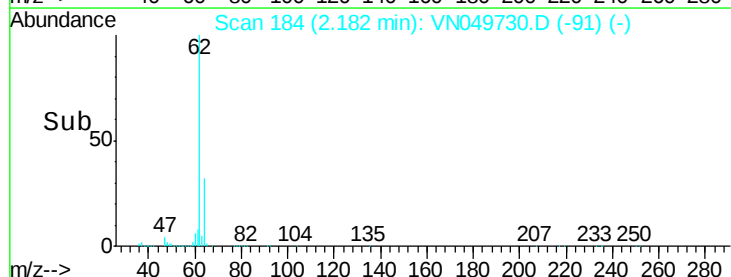
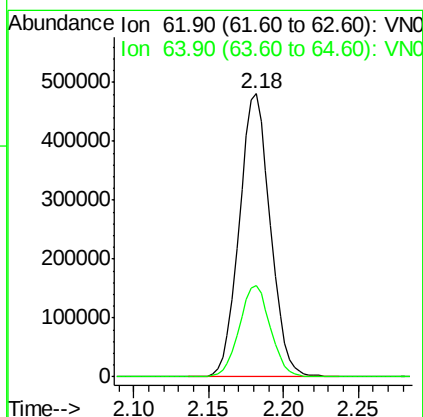
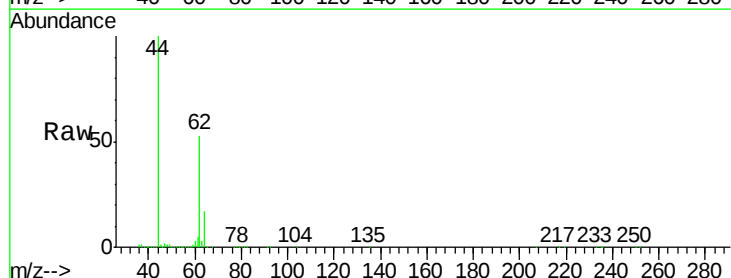
Acq: 6 Jul 2018 10:04

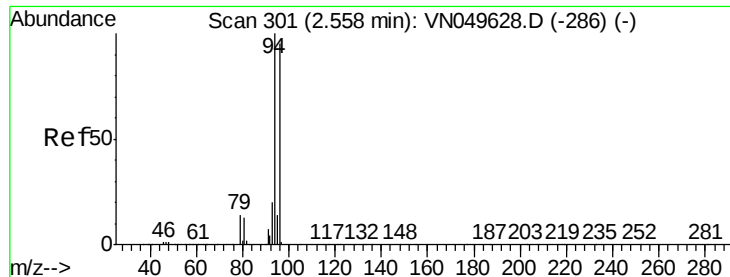
Tgt Ion: 62 Resp: 695050

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 41.938 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 315292

Ion Ratio Lower Upper

94 100

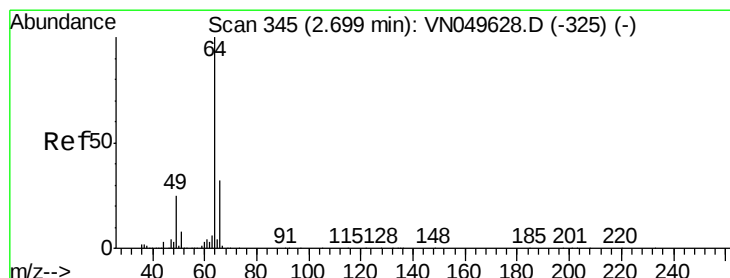
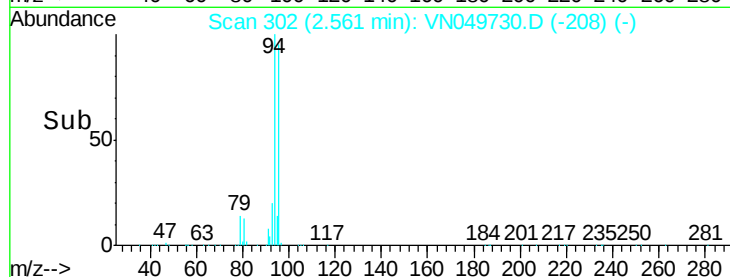
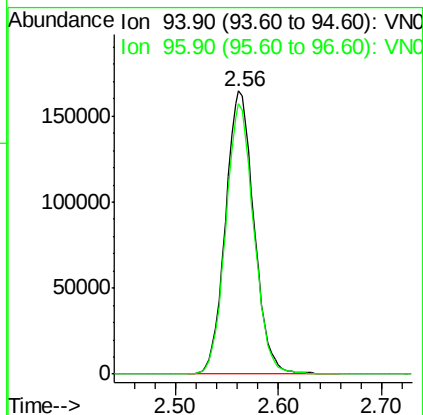
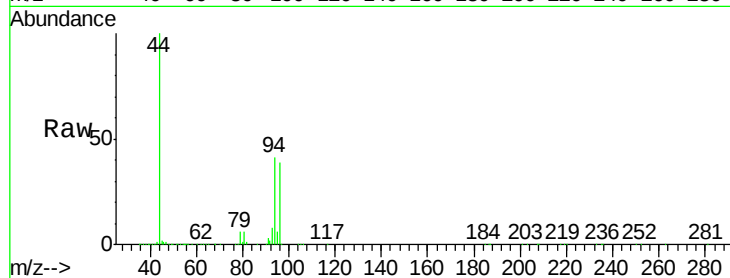
96 95.4 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



#6

Chloroethane

Concen: 48.875 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049730.D

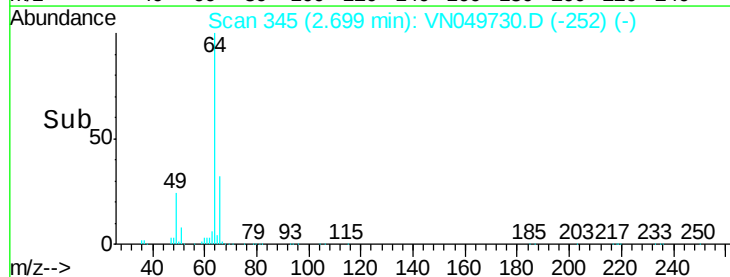
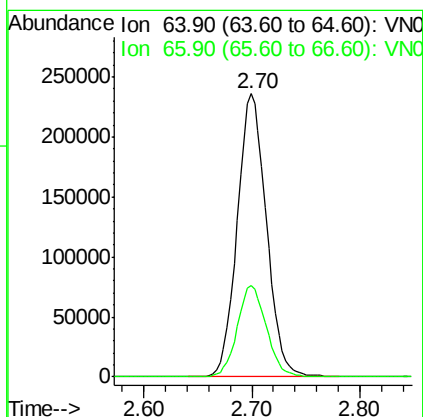
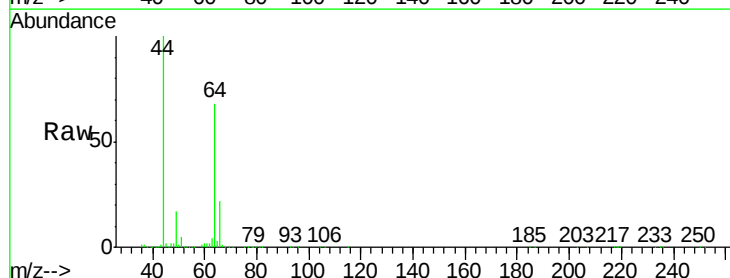
Acq: 6 Jul 2018 10:04

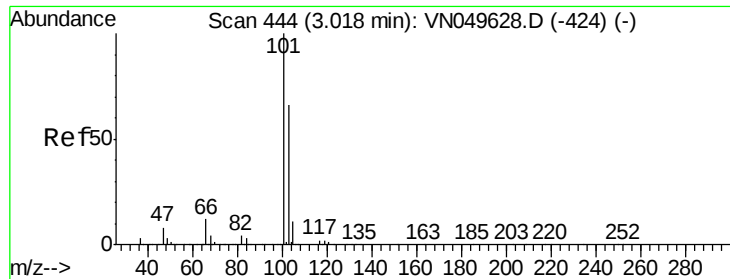
Tgt Ion: 64 Resp: 442755

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4





#7

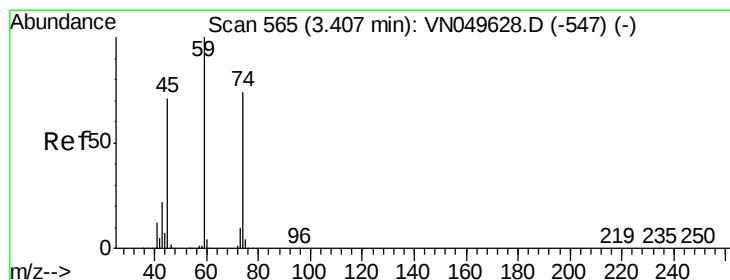
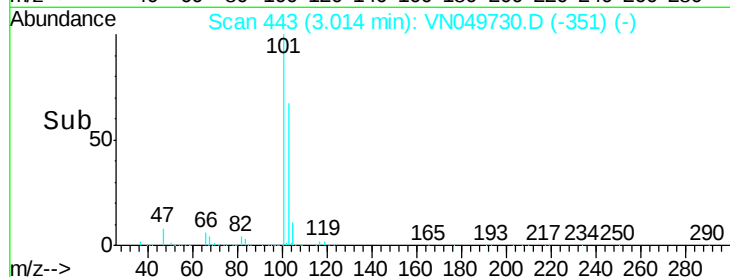
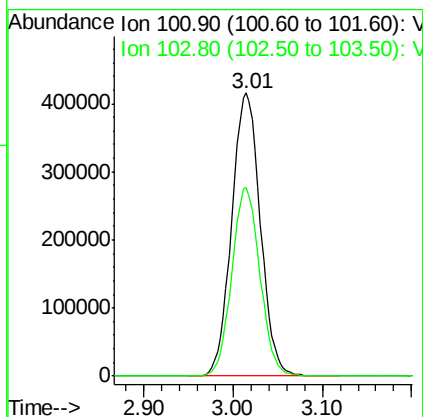
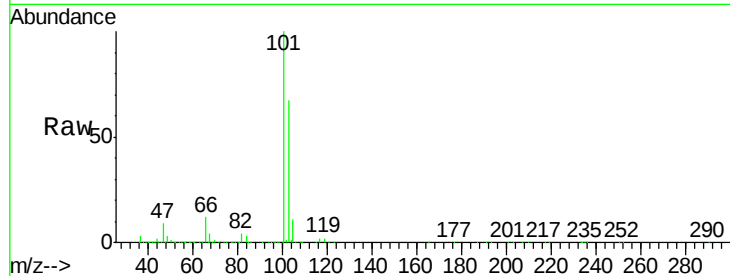
Trichlorofluoromethane
Concen: 56.532 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.8	79.2

Manual Integrations
APPROVED

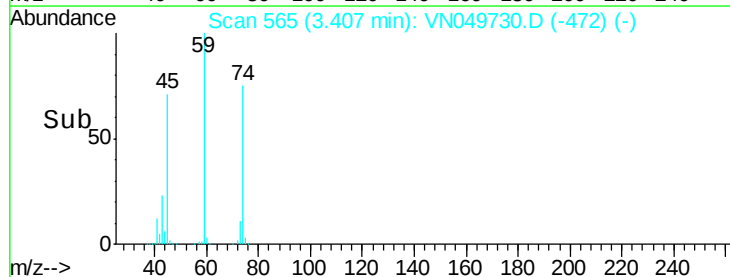
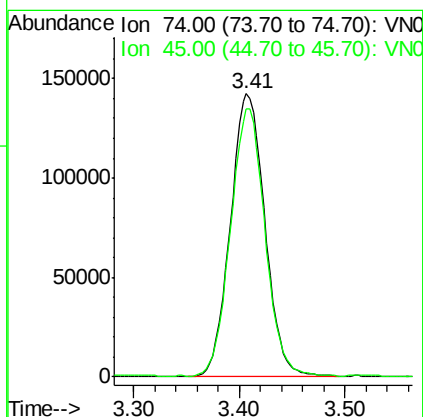
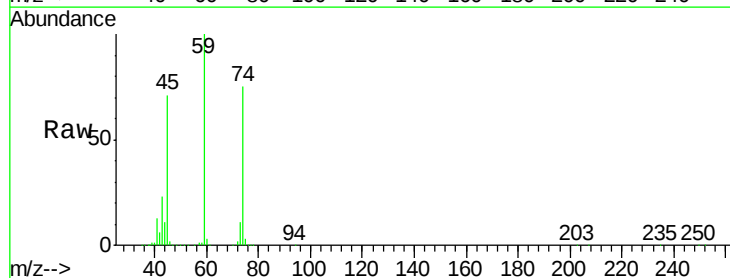
MMDadoda
7/9/2018 6:00:29 PM

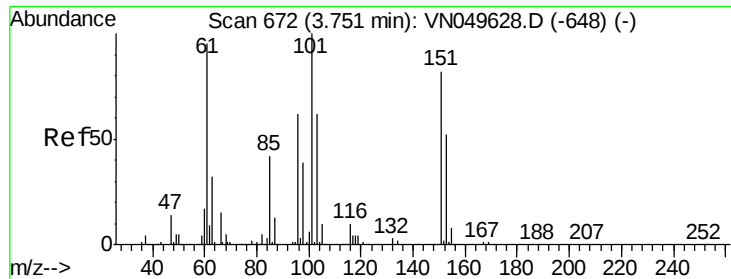


#8

Diethyl Ether
Concen: 48.791 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.285 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

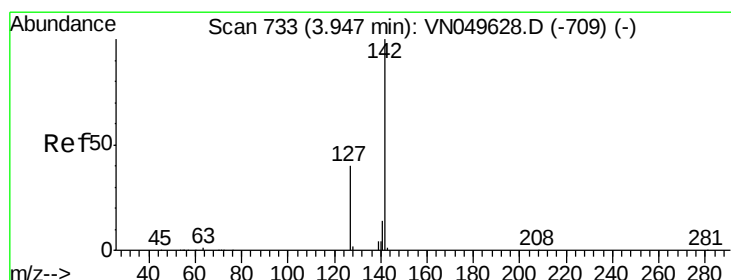
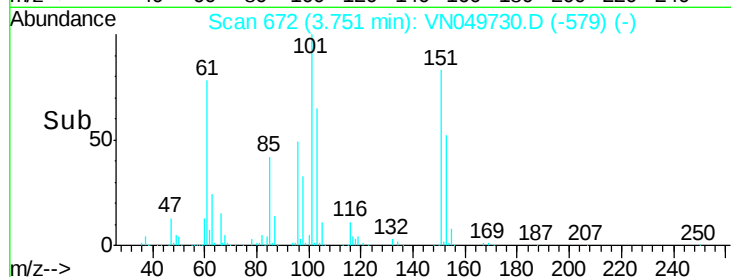
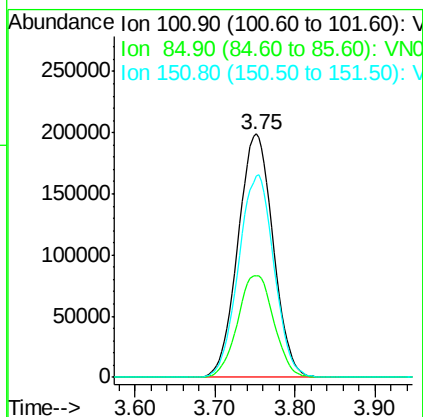
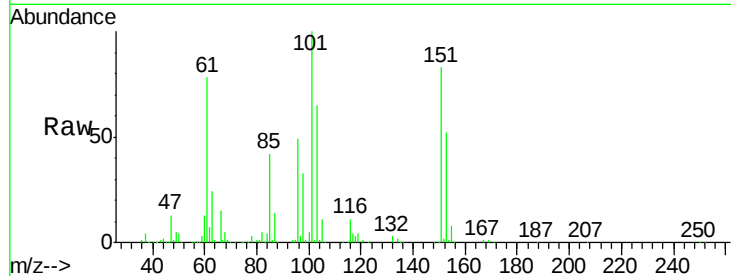
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	591468
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.4	51.6
151	84.0	66.2	99.4

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



#10

Methyl Iodide

Concen: 43.666 ug/l

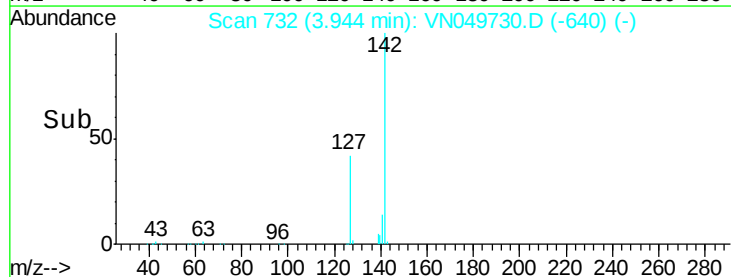
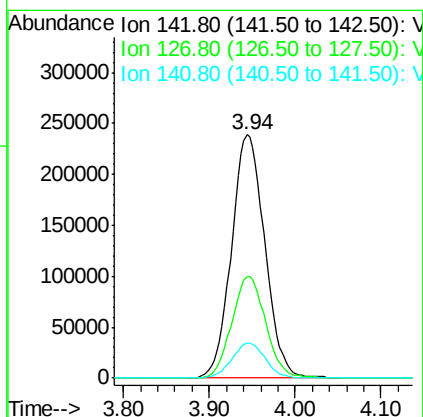
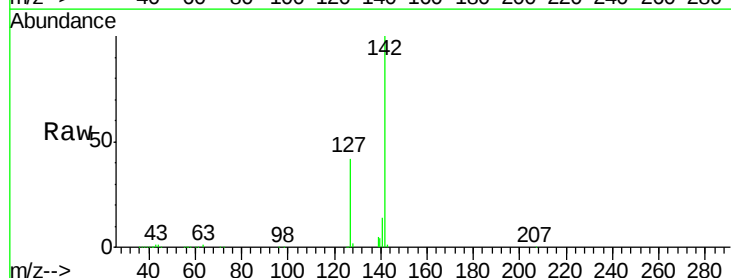
RT: 3.94 min Scan# 732

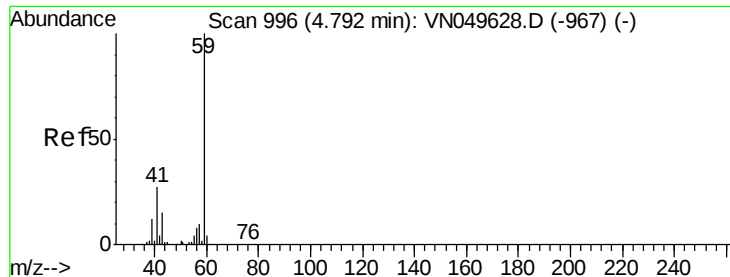
Delta R.T. -0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tgt Ion:	142	Resp:	642791
Ion Ratio	Lower	Upper	
142	100		
127	42.6	32.5	48.7
141	14.5	11.1	16.7





#11

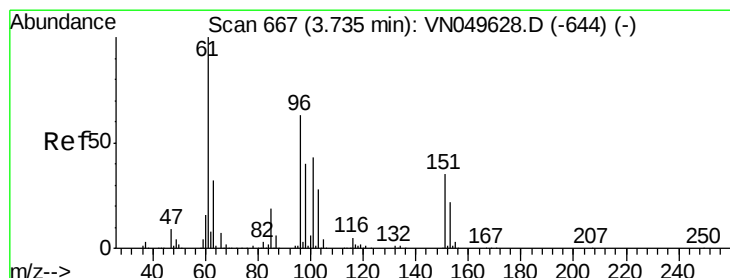
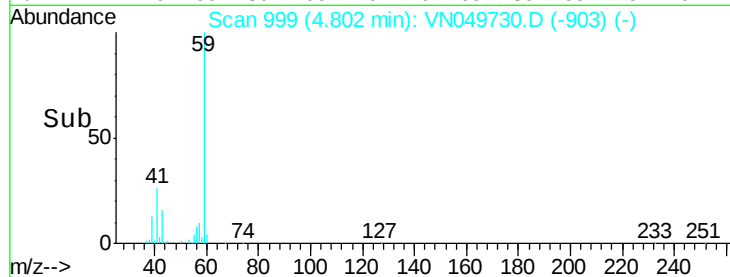
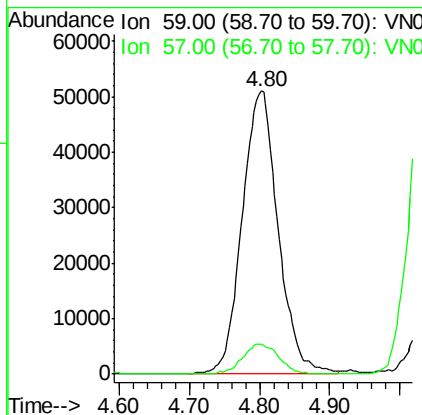
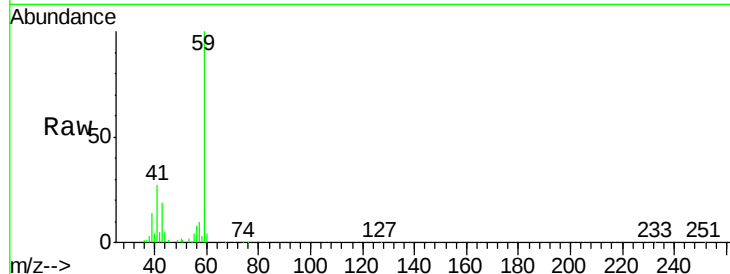
Tert butyl alcohol
 Concen: 252.944 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 181476
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.5 12.7

Manual Integrations
 APPROVED

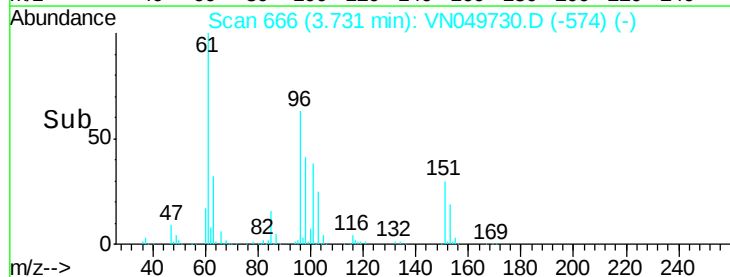
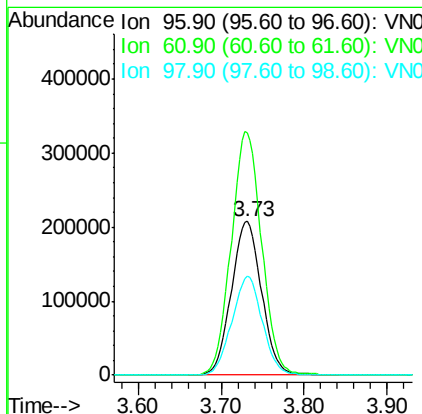
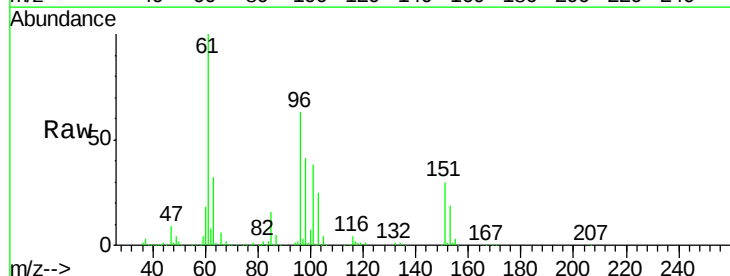
MMDadoda
 7/9/2018 6:00:29 PM

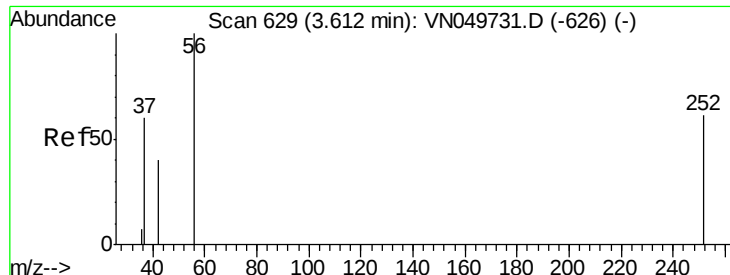


#12

1,1-Dichloroethene
 Concen: 47.483 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Tgt Ion: 96 Resp: 528011
 Ion Ratio Lower Upper
 96 100
 61 157.9 126.5 189.7
 98 64.3 51.0 76.6





#13

Acrolein

Concen: 266.867 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 178844

Ion Ratio Lower Upper

56 100

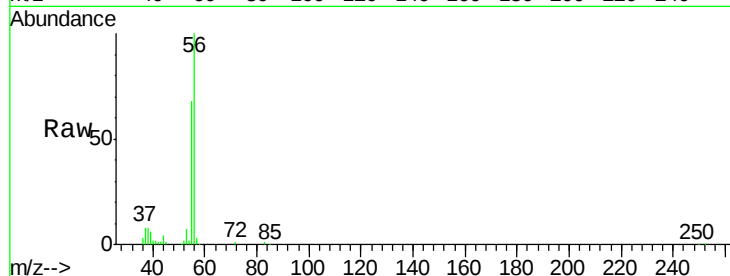
55 71.6 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



Abundance Ion 56.00 (55.70 to 56.70): VN049730.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049730.D (-534) (-)

80000

60000

40000

20000

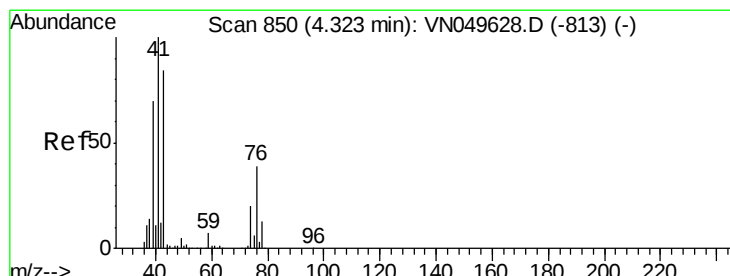
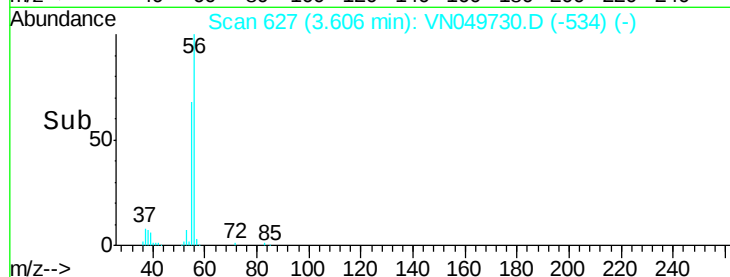
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 53.751 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

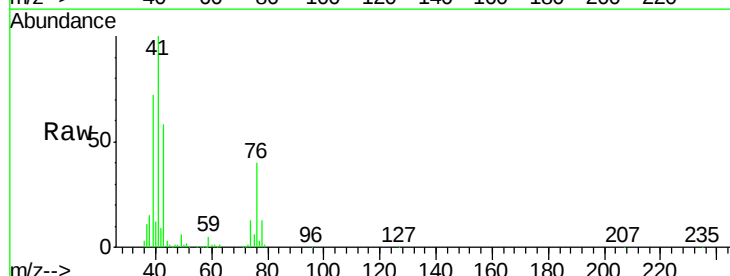
Tgt Ion: 41 Resp: 821014

Ion Ratio Lower Upper

41 100

39 68.7 53.2 79.8

76 36.7 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN049730.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN049730.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN049730.D (-757) (-)

300000

200000

100000

0

4.10

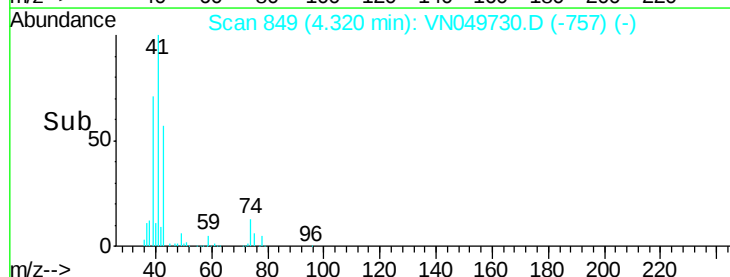
4.20

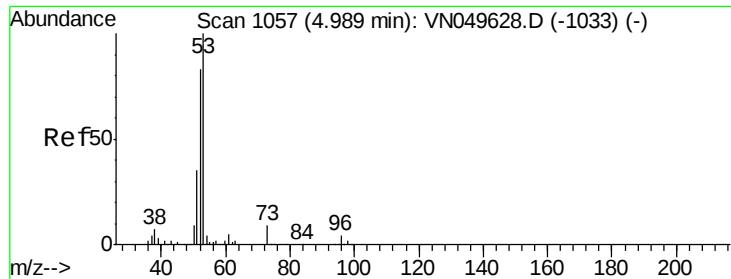
4.30

4.40

4.50

Time-->





#15

Acrylonitrile

Concen: 255.497 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

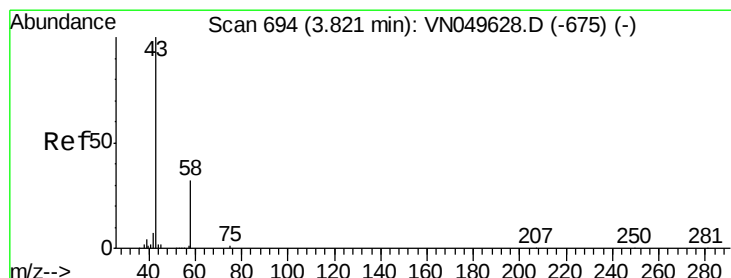
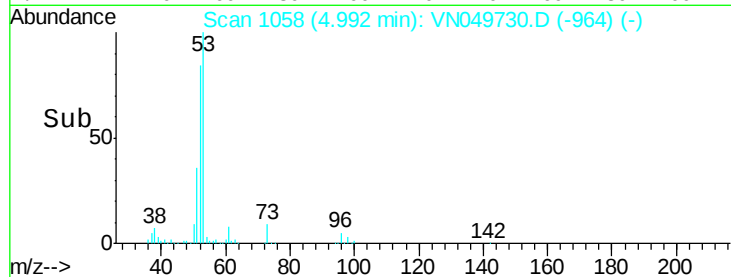
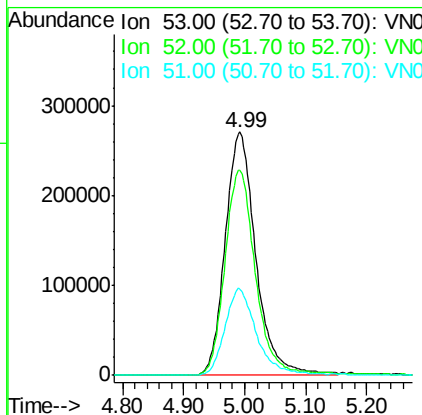
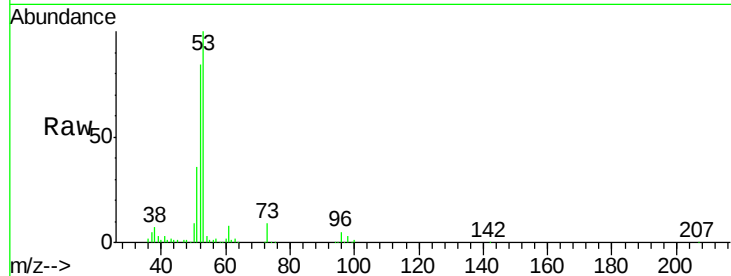
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	946756
Ion Ratio	Lower	Upper	
53	100		
52	83.3	64.8	97.2
51	36.8	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



#16

Acetone

Concen: 296.981 ug/l

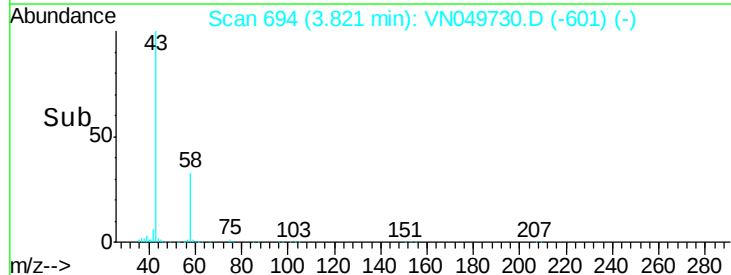
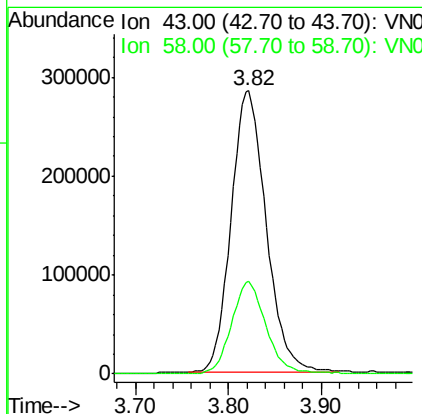
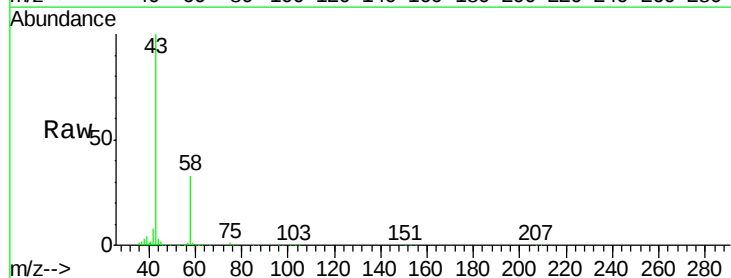
RT: 3.82 min Scan# 694

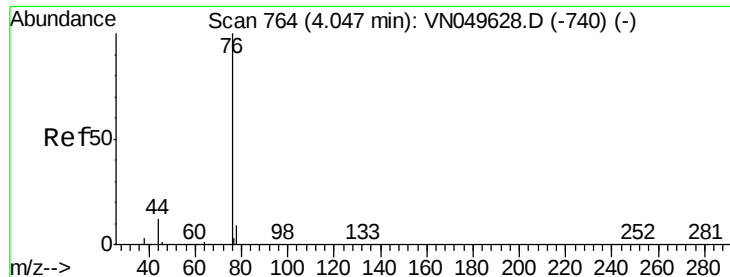
Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tgt Ion:	43	Resp:	741915
Ion Ratio	Lower	Upper	
43	100		
58	32.8	25.9	38.9





#17

Carbon Disulfide

Concen: 47.741 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1461640

Ion Ratio Lower Upper

76 100

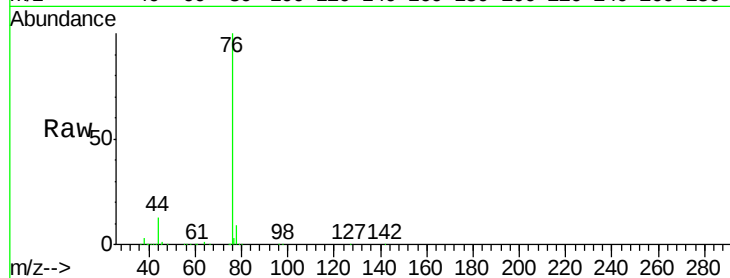
78 8.9 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



Abundance Ion 75.90 (75.60 to 76.60): VN049730.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049730.D (-740) (-)

4.05

600000

500000

400000

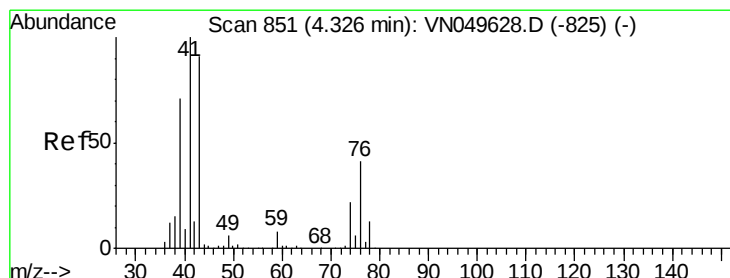
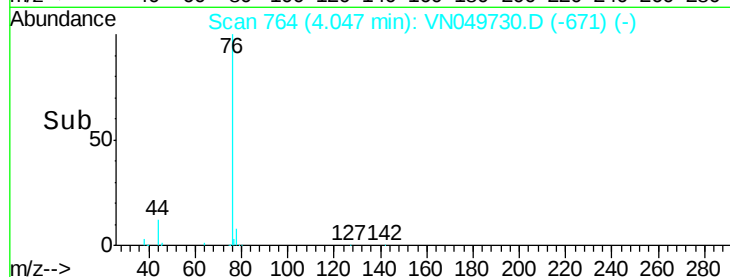
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 43.727 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049730.D

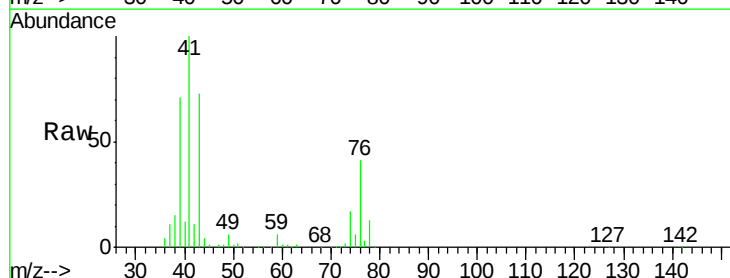
Acq: 6 Jul 2018 10:04

Tgt Ion: 43 Resp: 491973

Ion Ratio Lower Upper

43 100

74 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049730.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN049730.D (-758) (-)

4.33

200000

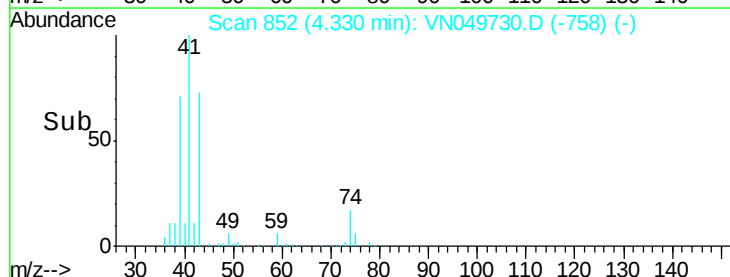
150000

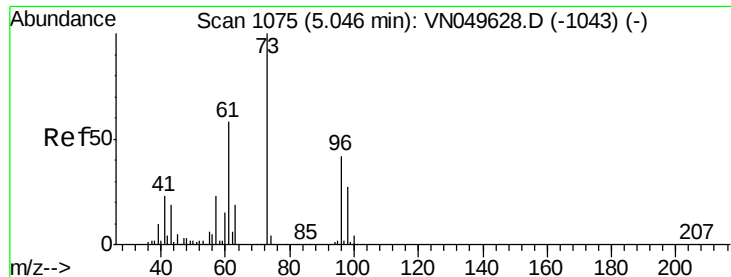
100000

50000

0

Time-->





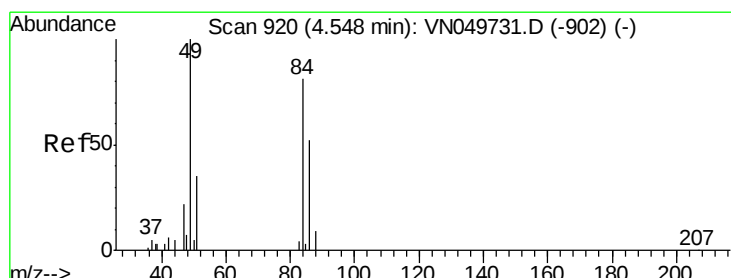
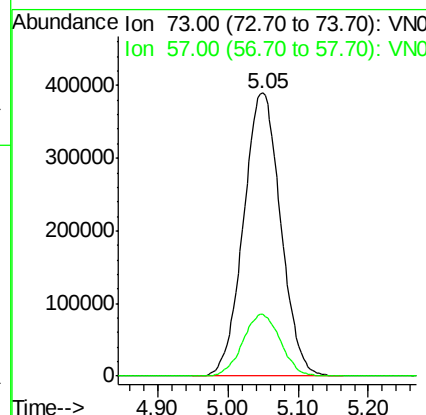
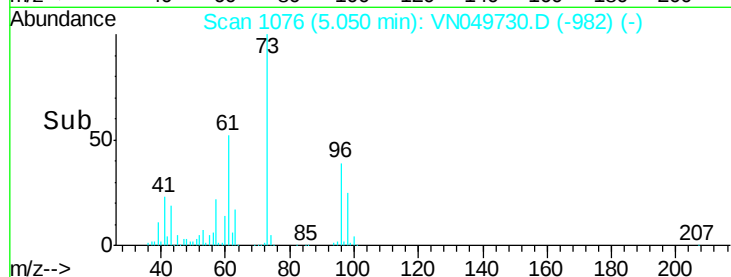
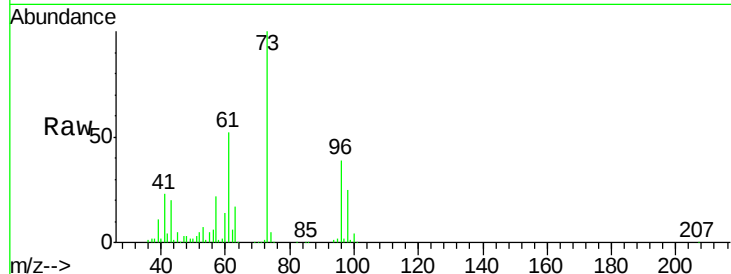
#19
Methvl tert-butvl Ether
Concen: 50.028 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 1434097
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

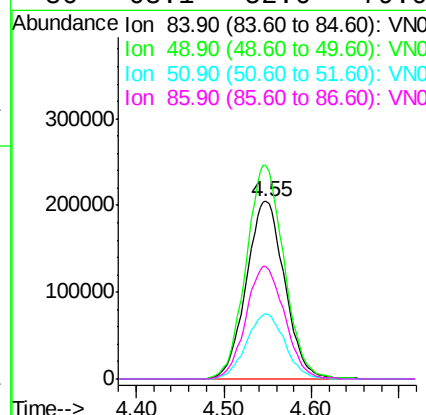
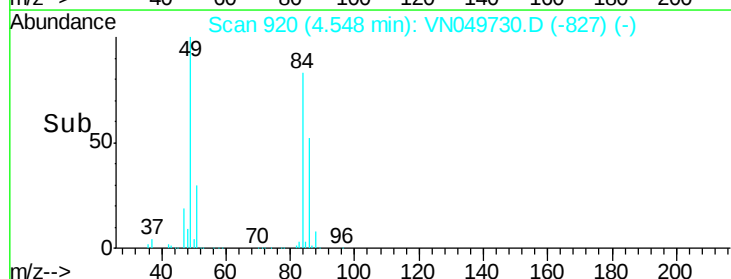
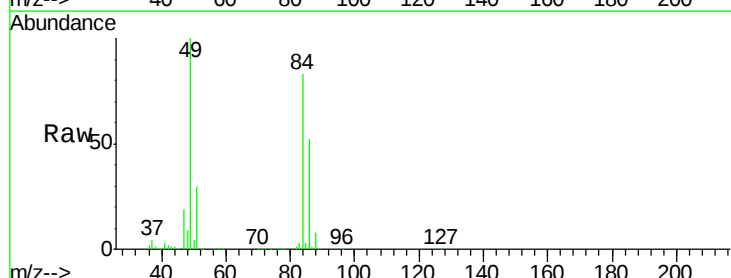
Manual Integrations
APPROVED

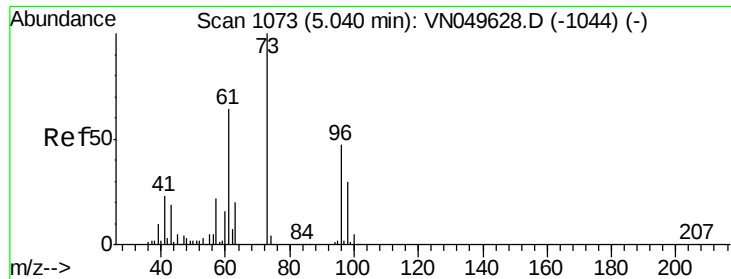
MMDadoda
7/9/2018 6:00:29 PM



#20
Methylene Chloride
Concen: 48.361 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion: 84 Resp: 622631
Ion Ratio Lower Upper
84 100
49 120.3 95.4 143.2
51 36.7 28.4 42.6
86 63.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.425 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 565630

Ion Ratio Lower Upper

96 100

61 132.5 109.0 163.6

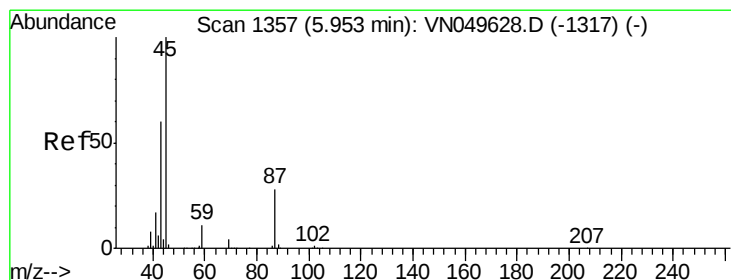
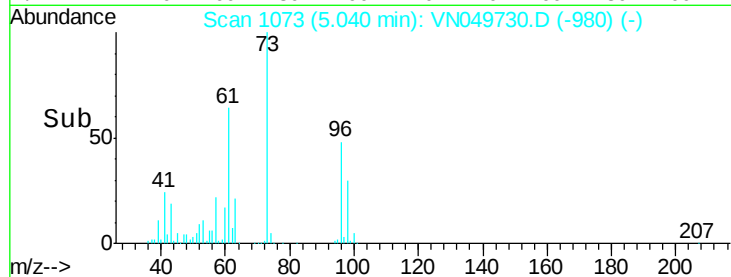
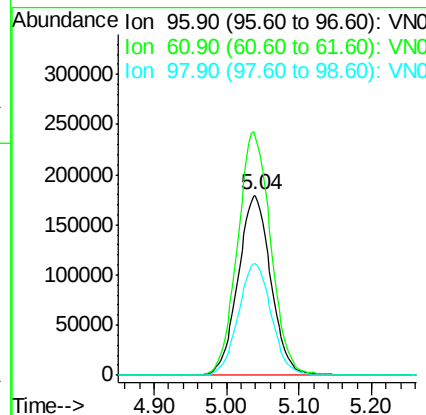
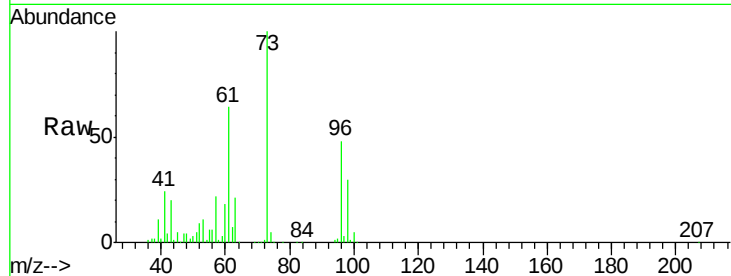
98 62.2 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



#22

Diisopropyl ether

Concen: 51.450 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tgt Ion: 45 Resp: 1778016

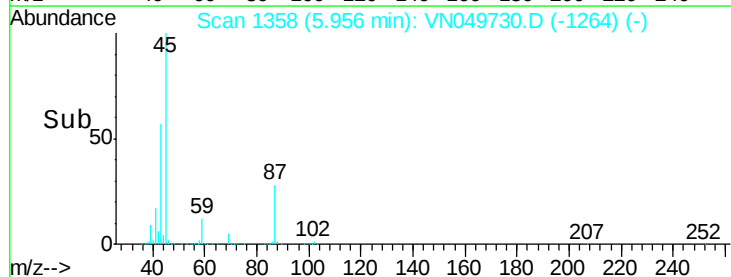
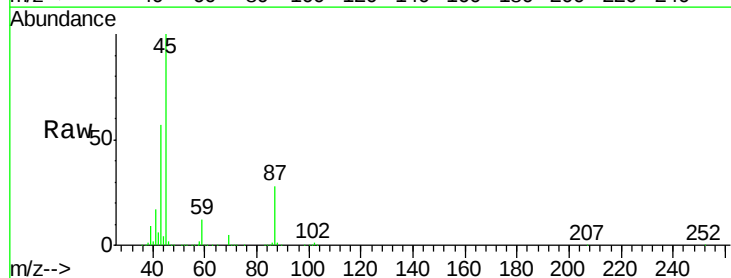
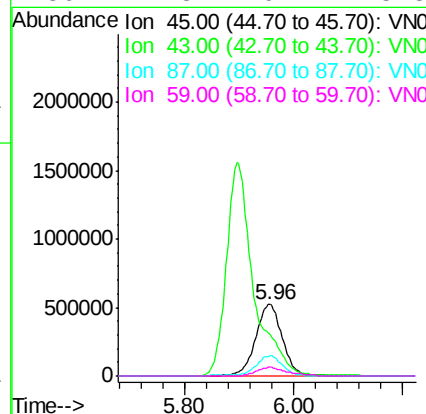
Ion Ratio Lower Upper

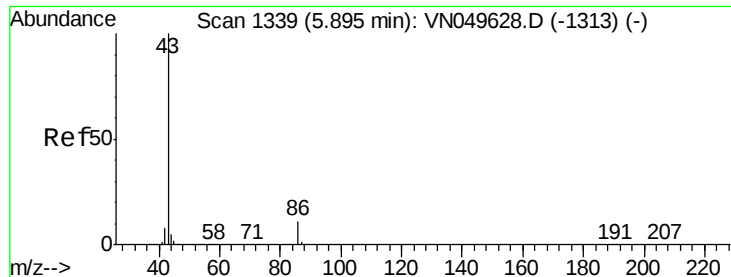
45 100

43 57.4 48.1 72.1

87 27.9 22.6 34.0

59 12.3 9.2 13.8





#23

Vinyl Acetate

Concen: 239.686 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tot Ion: 43 Resp: 5371363

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6

Instrument :

MSVOA_N

ClientSampleId :

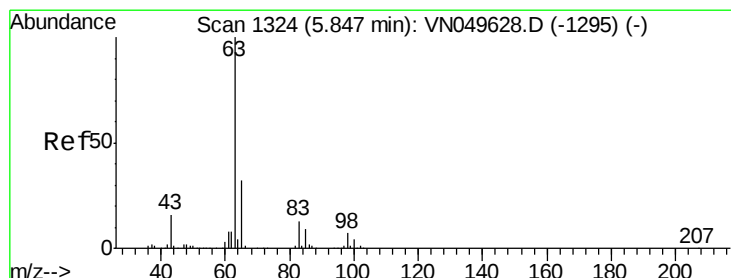
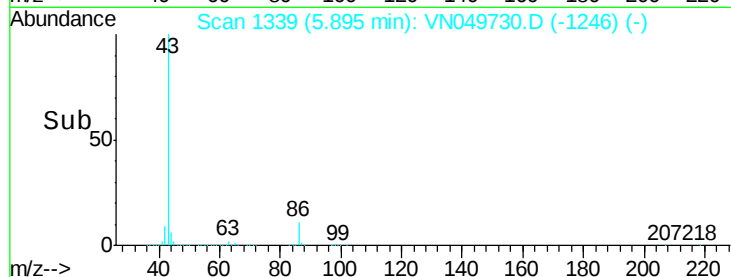
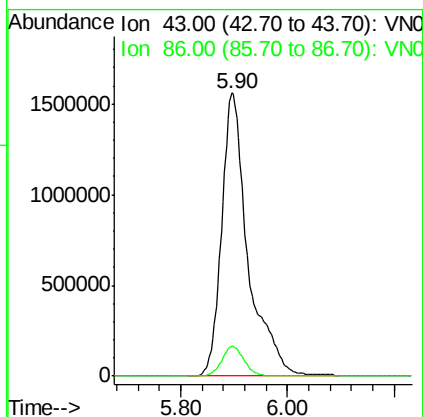
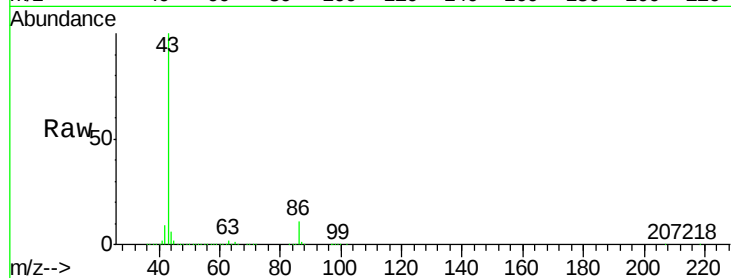
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



#24

1,1-Dichloroethane

Concen: 49.095 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

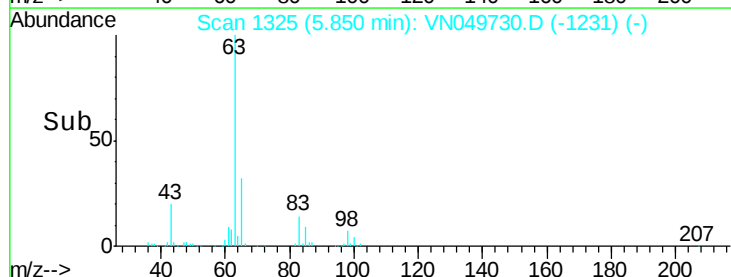
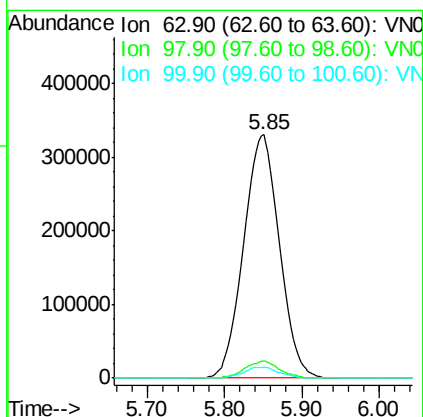
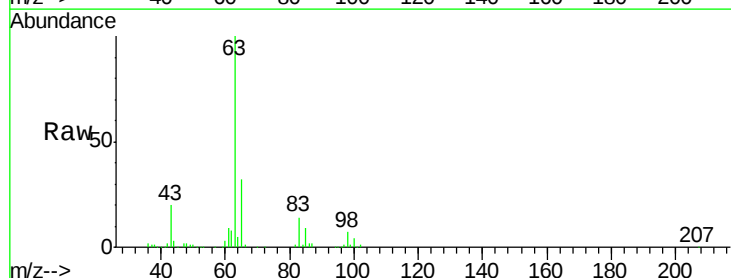
Tgt Ion: 63 Resp: 1068832

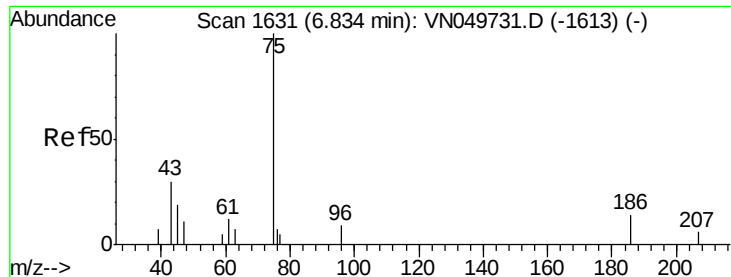
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 271.312 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1126118

Ion Ratio Lower Upper

43 100

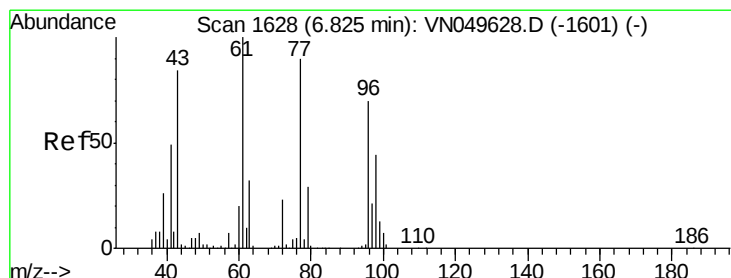
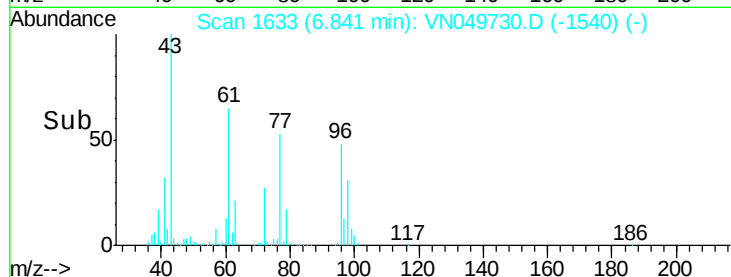
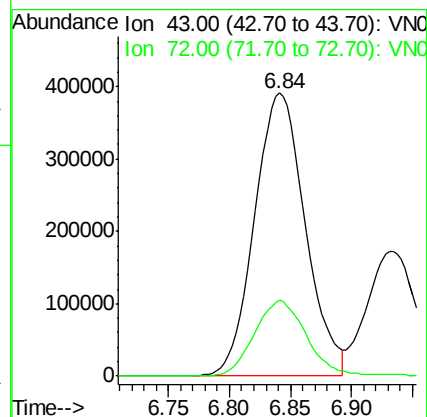
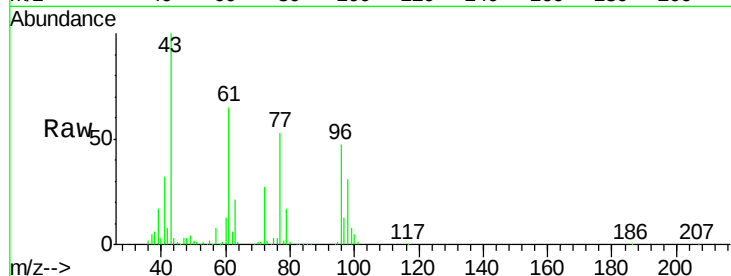
72 26.9 22.1 33.1

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



#26

2,2-Dichloropropane

Concen: 50.404 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049730.D

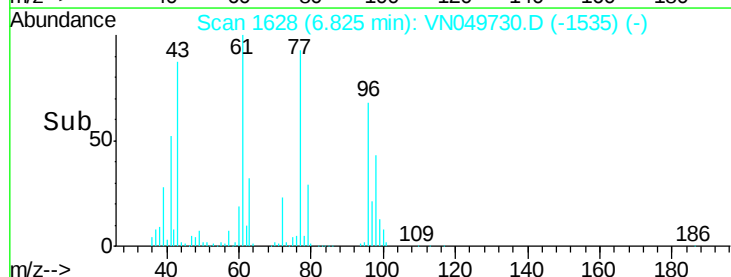
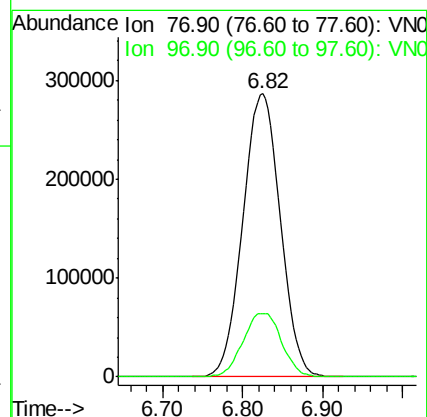
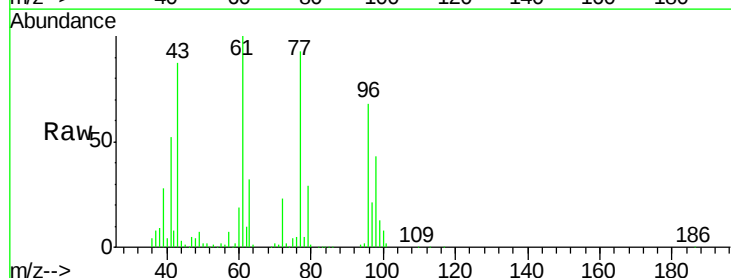
Acq: 6 Jul 2018 10:04

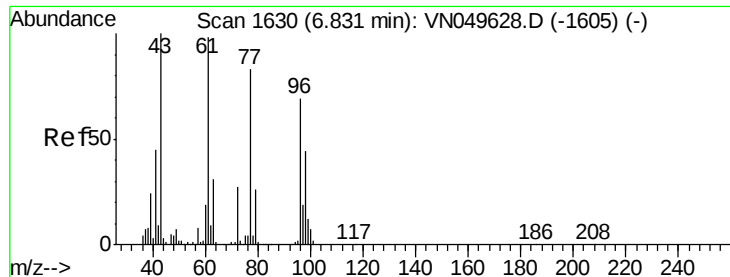
Tgt Ion: 77 Resp: 911393

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.543 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

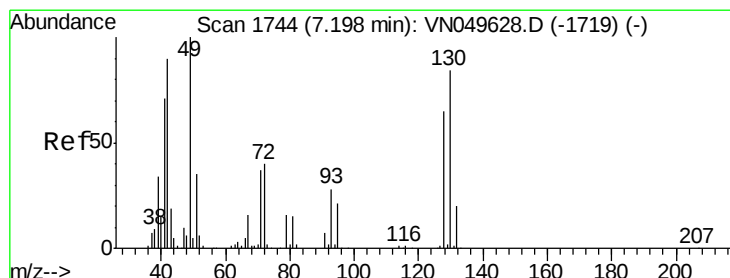
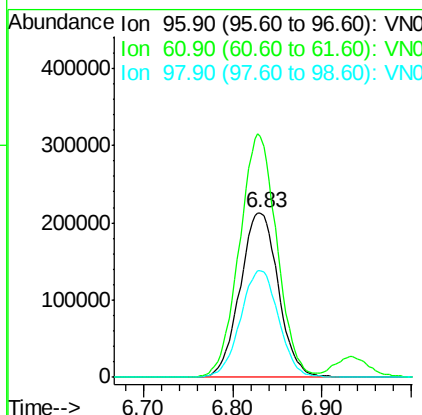
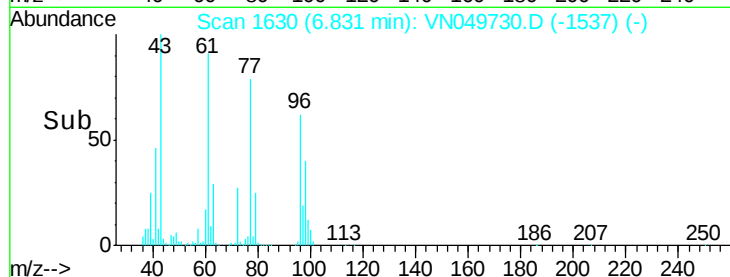
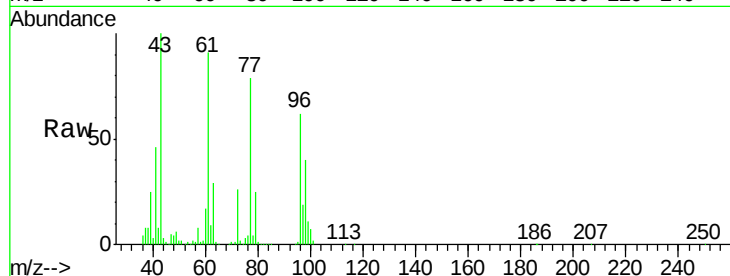
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	633350
Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	289.0
98	65.0	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



#28

Bromochloromethane

Concen: 41.100 ug/l

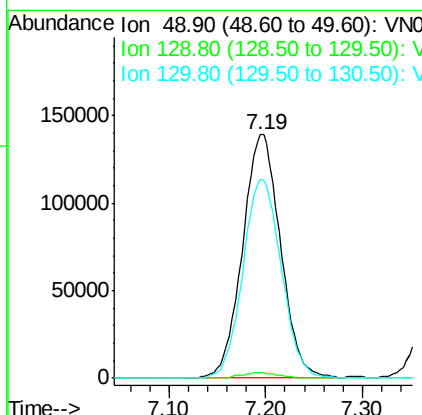
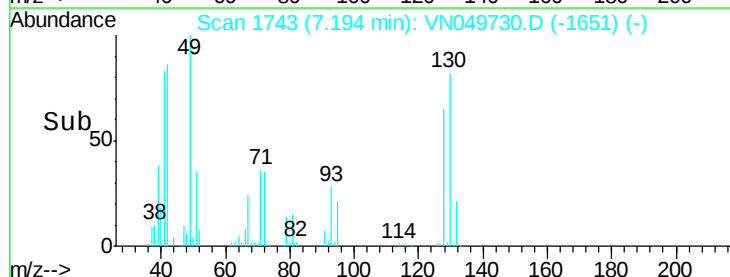
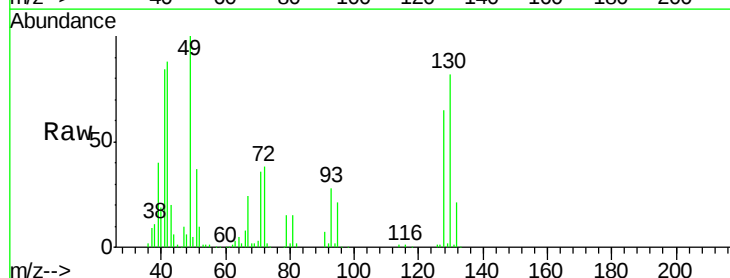
RT: 7.19 min Scan# 1743

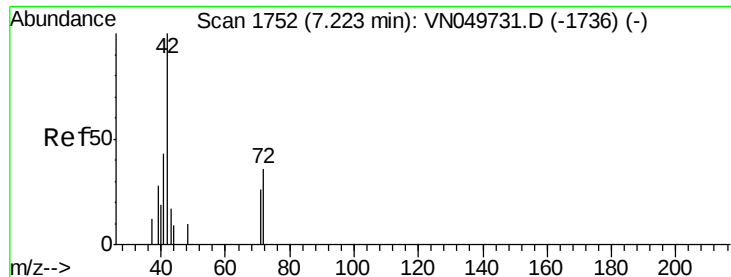
Delta R.T. -0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tgt Ion:	49	Resp:	379760
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	82.6	65.5	98.3





#29

Tetrahydrofuran

Concen: 262.138 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

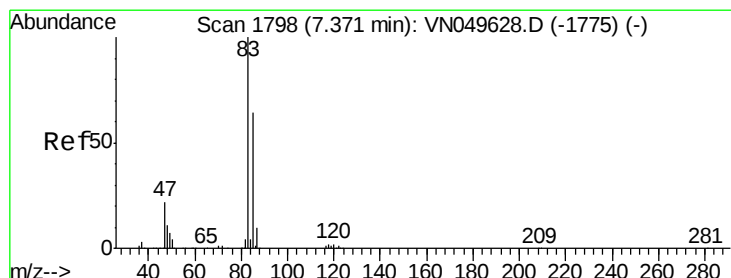
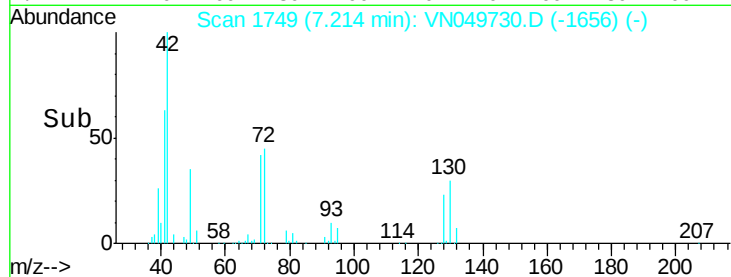
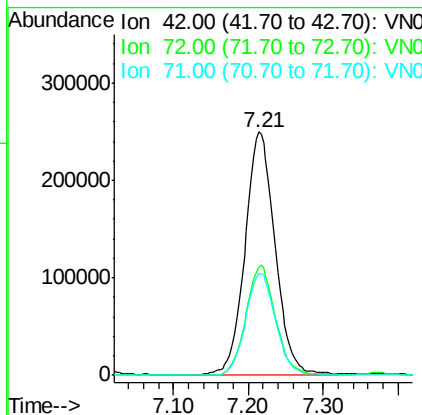
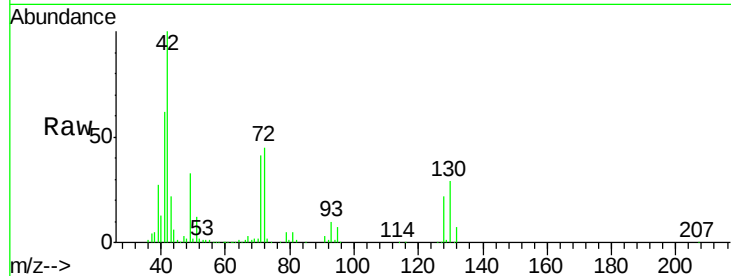
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	693479
Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.6	53.4
71	41.9	34.0	51.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



#30

Chloroform

Concen: 49.648 ug/l

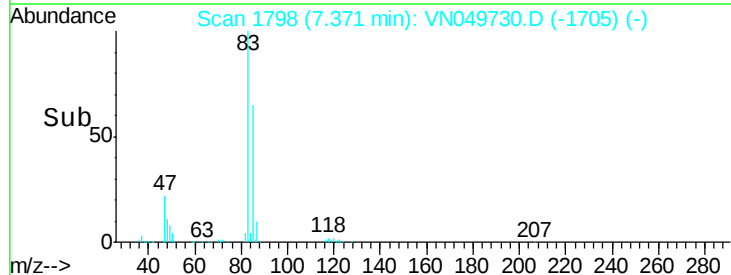
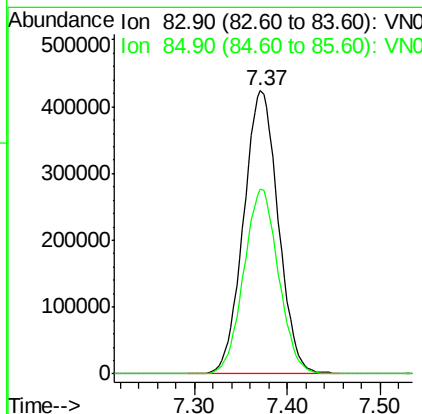
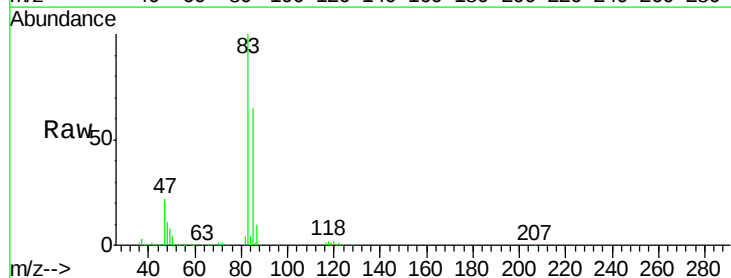
RT: 7.37 min Scan# 1798

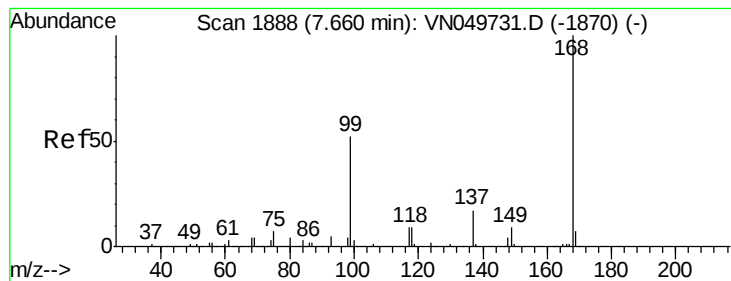
Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tgt Ion:	83	Resp:	1101820
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





#31

Cvclohexane

Concen: 49.474 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

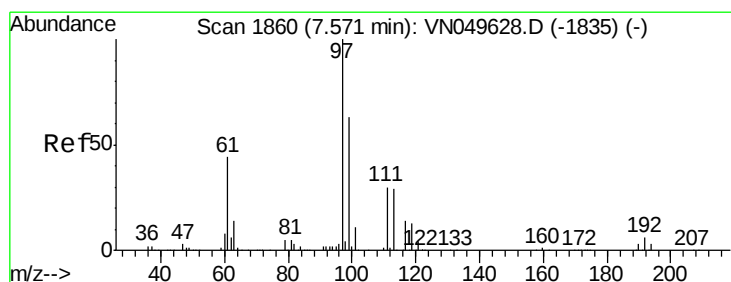
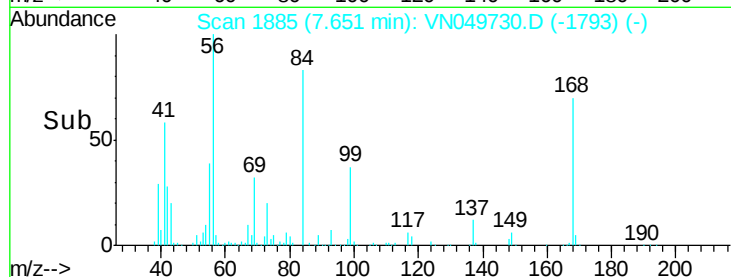
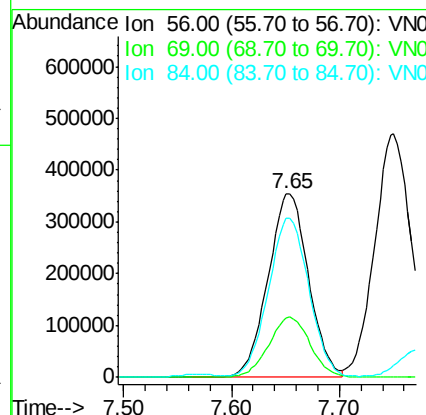
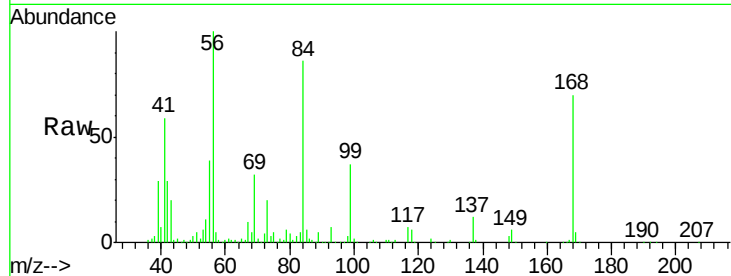
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	923424
Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.6	40.0
84	84.7	69.0	103.6

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



#32

1,1,1-Trichloroethane

Concen: 49.741 ug/l

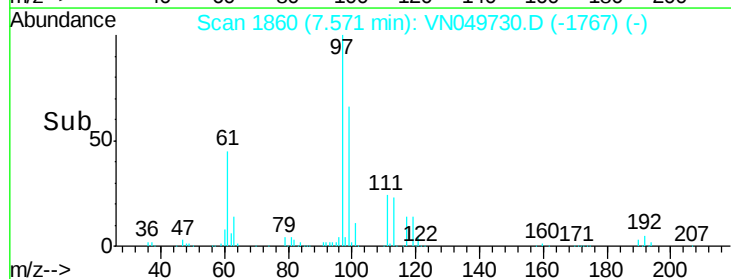
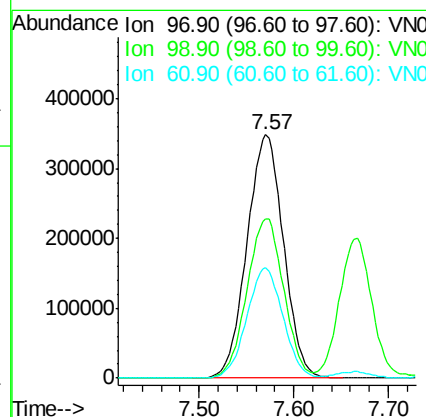
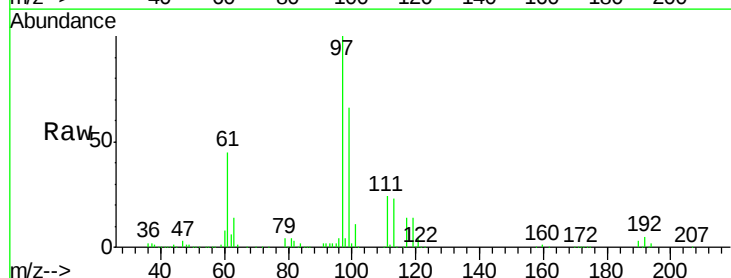
RT: 7.57 min Scan# 1860

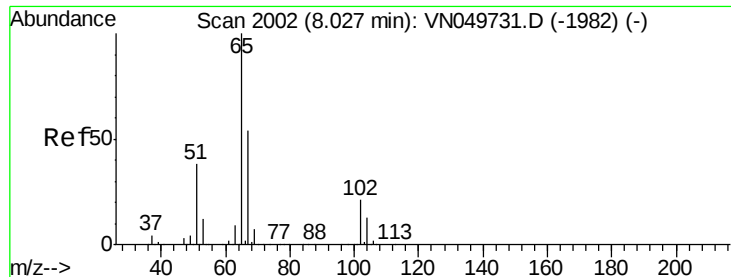
Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tgt Ion:	97	Resp:	934588
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.4
61	44.9	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 39.302 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 491388

Ion Ratio Lower Upper

65 100

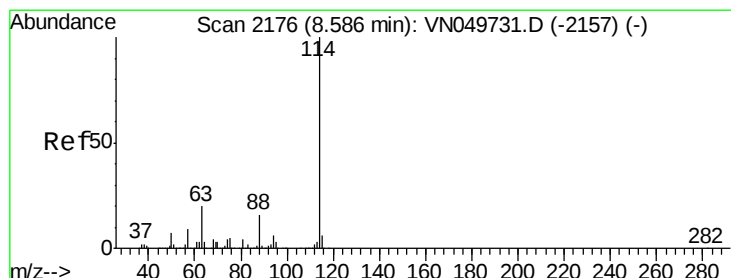
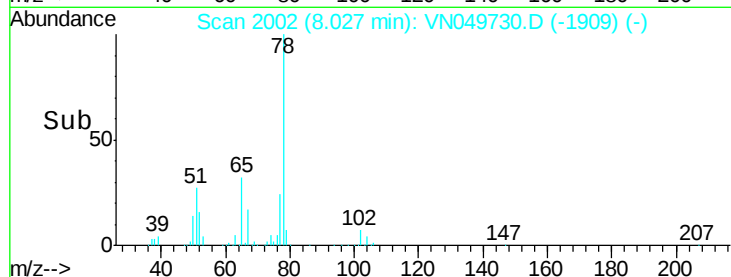
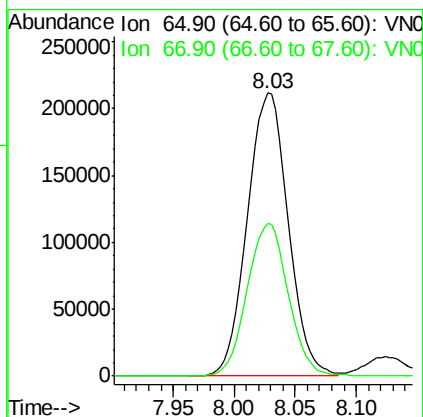
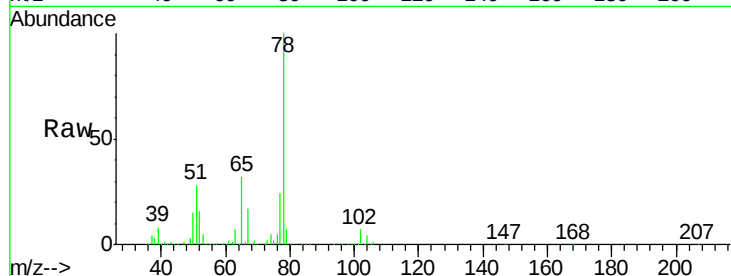
67 54.2 0.0 107.2

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

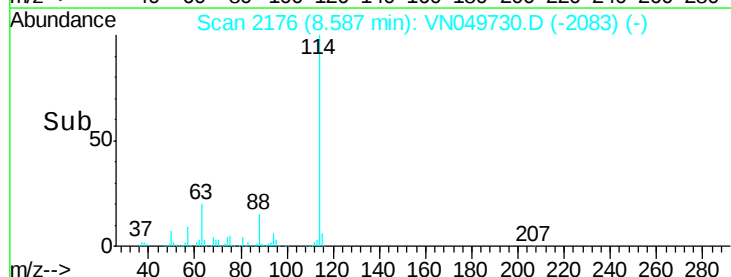
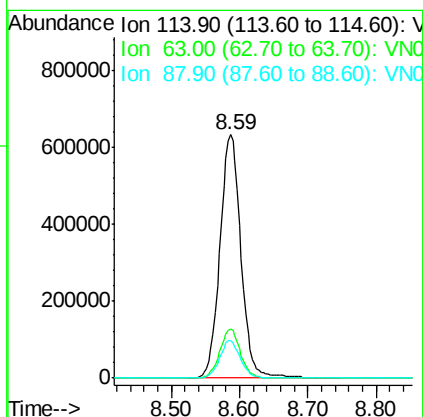
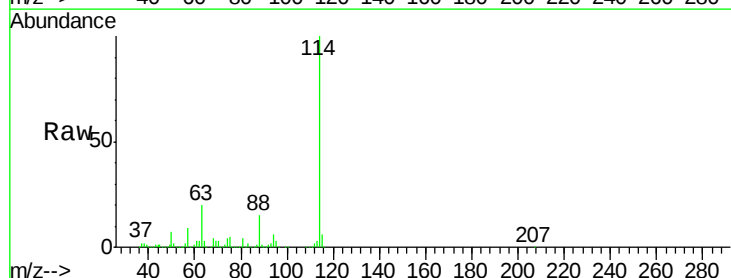
Tgt Ion: 114 Resp: 1350190

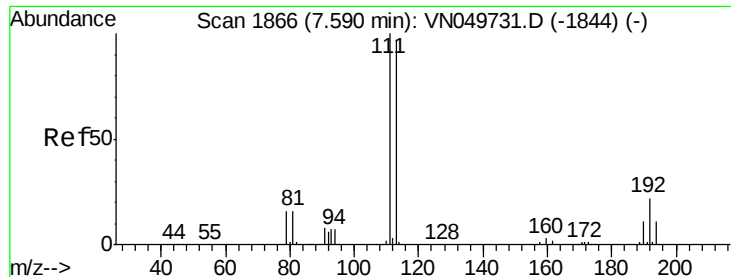
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 41.940 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

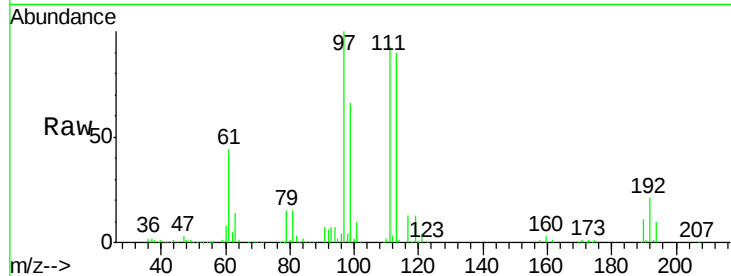
ClientSampleId :

VSTDCCC050

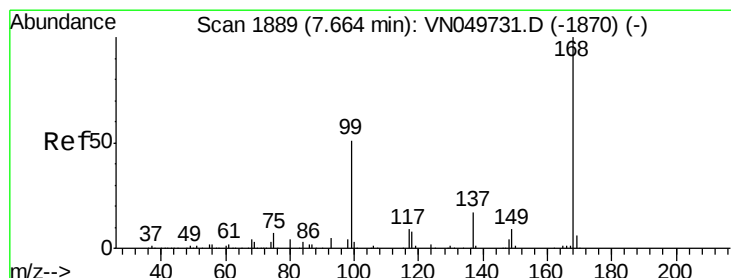
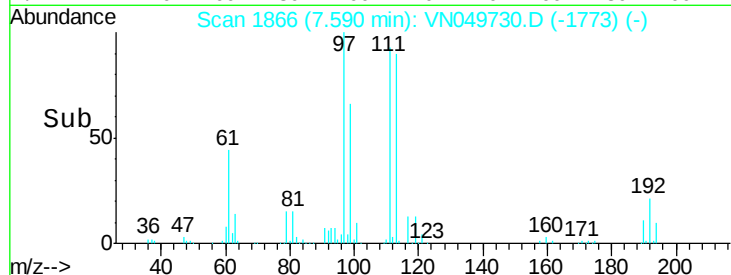
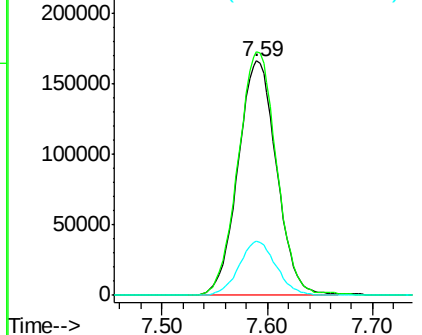
Tot Ion:	113	Resp:	423350
Ion Ratio	Lower	Upper	
113	100		
111	103.9	81.8	122.8
192	22.2	17.8	26.6

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



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



#36

1,1-Dichloropropene

Concen: 54.320 ug/l

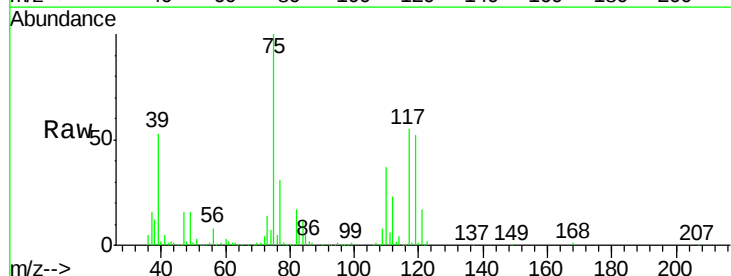
RT: 7.79 min Scan# 1928

Delta R.T. -0.00 min

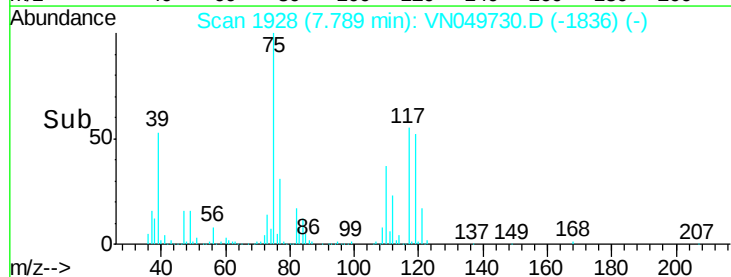
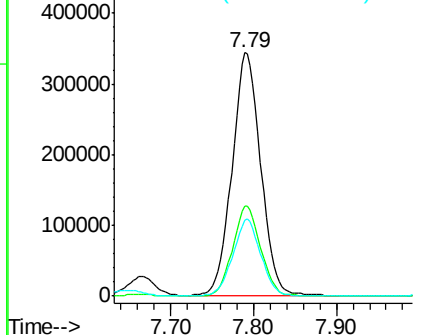
Lab File: VN049730.D

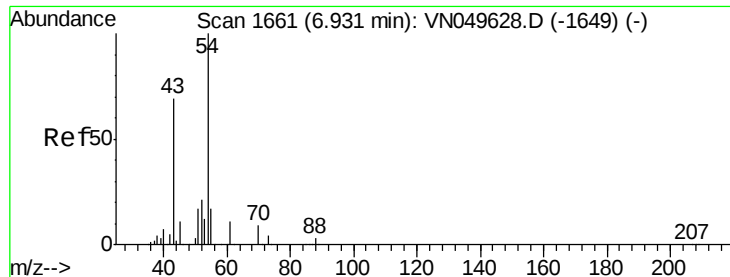
Acq: 6 Jul 2018 10:04

Tgt Ion:	75	Resp:	825145
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.4
77	30.8	24.9	37.3



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





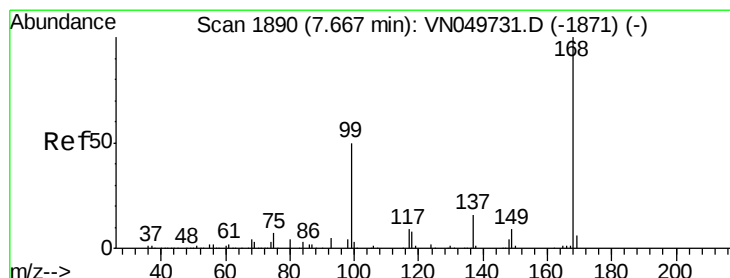
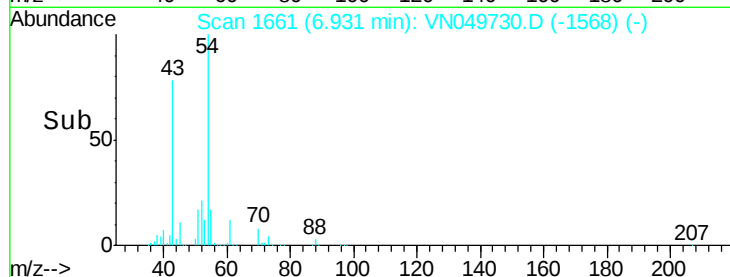
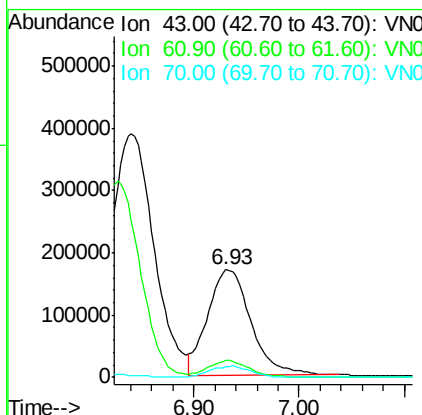
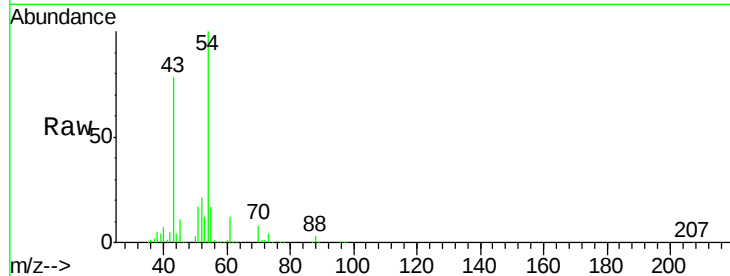
#37
Ethyl Acetate
Concen: 55.064 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	14.5				11.7	17.5
70	9.4				8.4	12.6

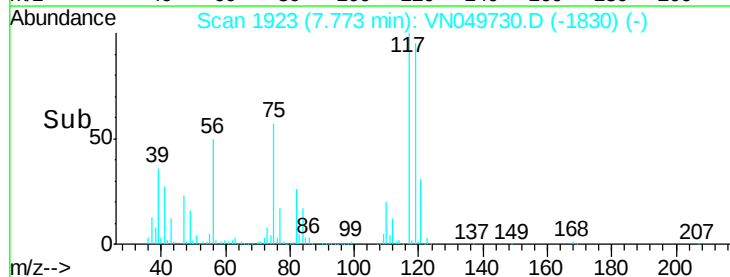
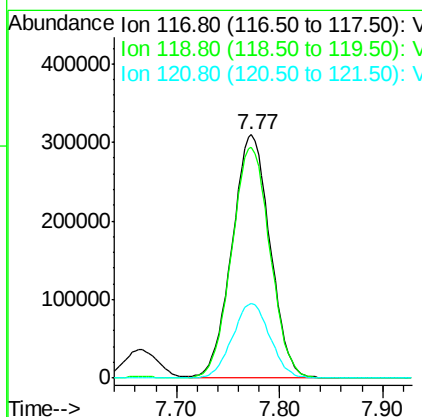
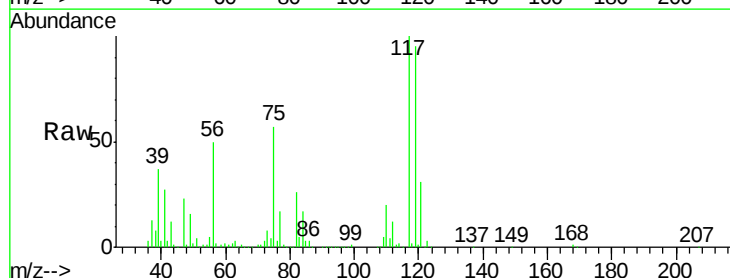
Manual Integrations
APPROVED

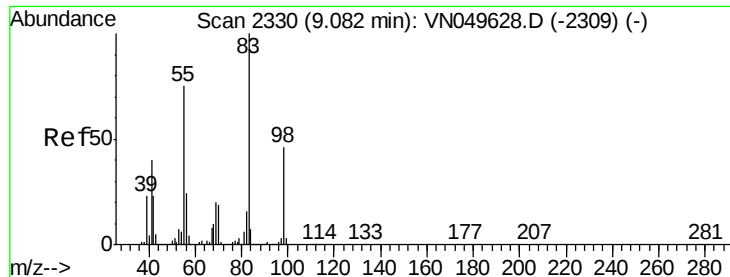
MMDadoda
7/9/2018 6:00:29 PM



#38
Carbon Tetrachloride
Concen: 53.598 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.0				77.2	115.8
121	30.9				25.0	37.6





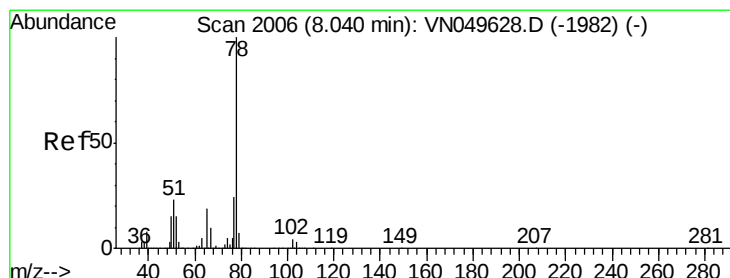
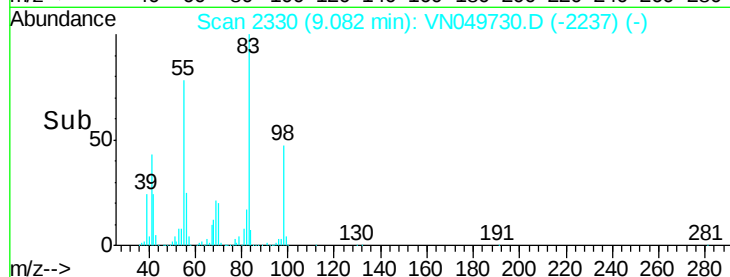
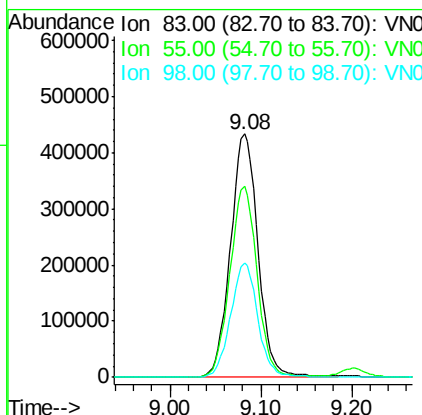
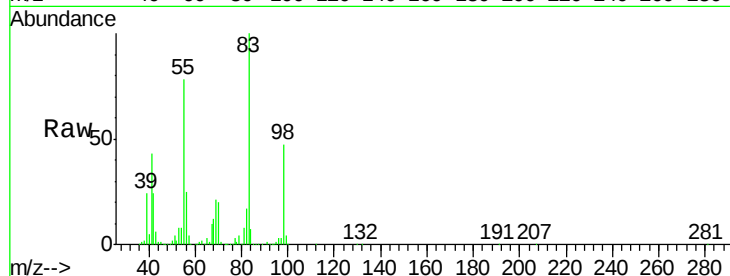
#39
Methvlcvclohexane
Concen: 54.757 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	59.7	89.5
98	47.0	36.5	54.7

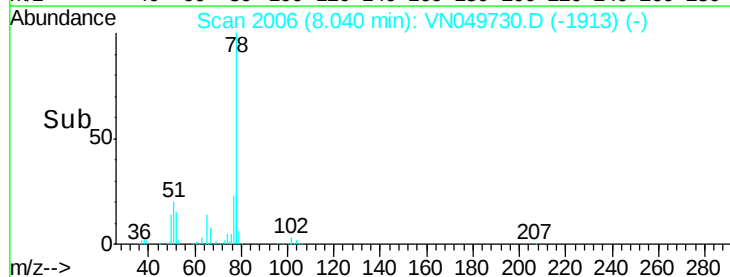
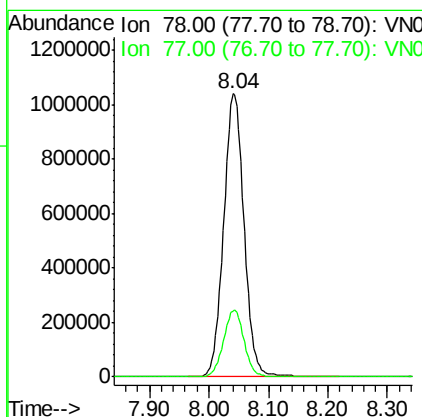
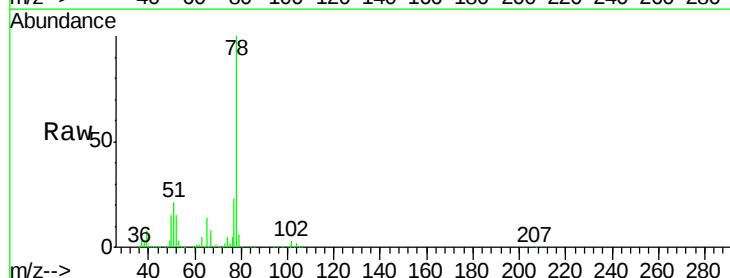
Manual Integrations
APPROVED

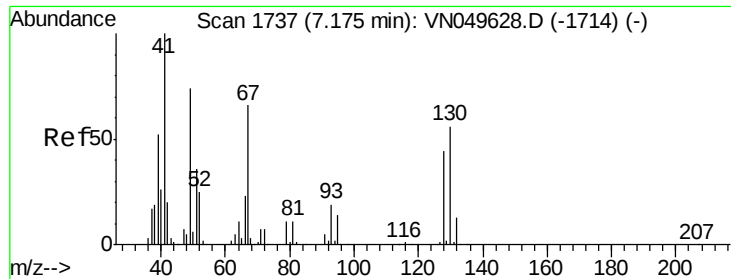
MMDadoda
7/9/2018 6:00:29 PM



#40
Benzene
Concen: 53.188 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





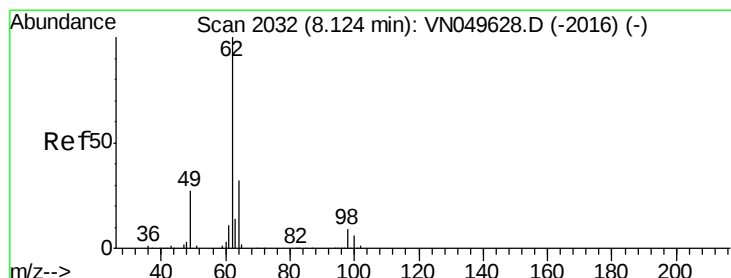
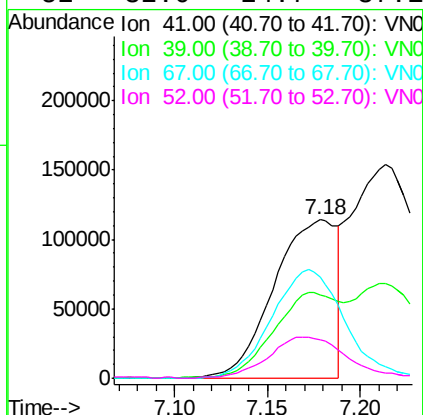
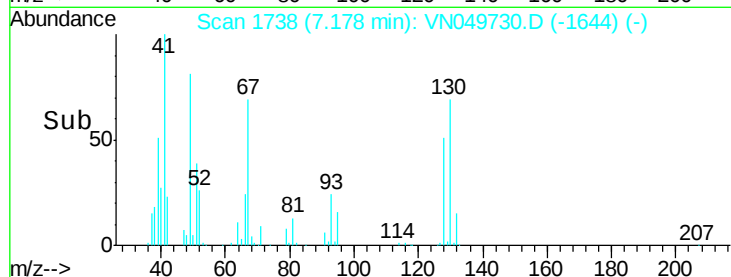
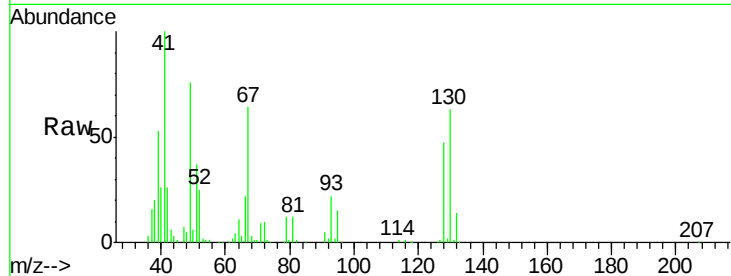
#41
Methacrylonitrile
Concen: 53.753 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	268457
Ion Ratio	Lower	Upper	
41	100		
39	56.6	45.4	68.2
67	80.3	65.4	98.0
52	32.0	24.7	37.1

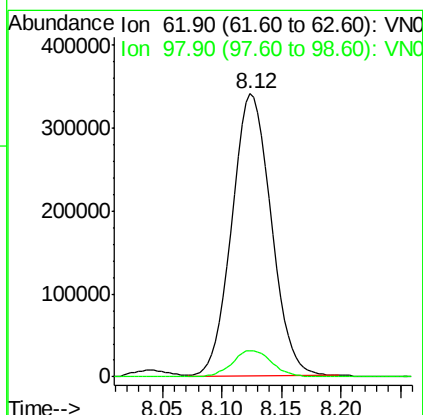
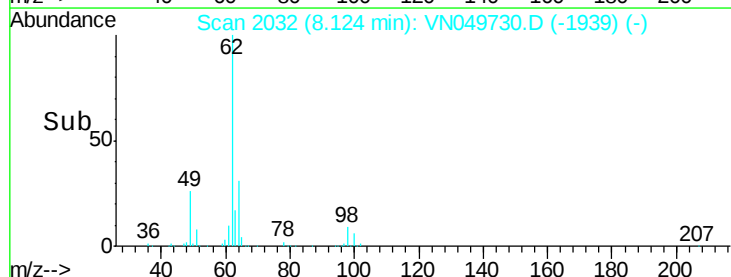
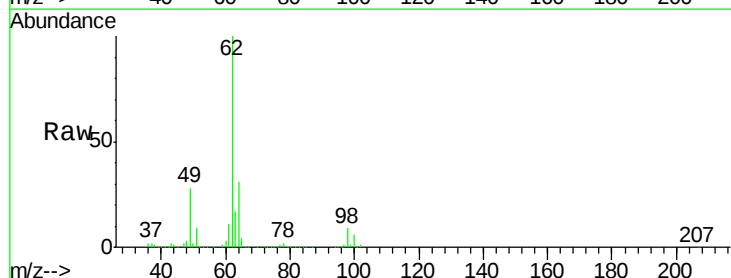
Manual Integrations
APPROVED

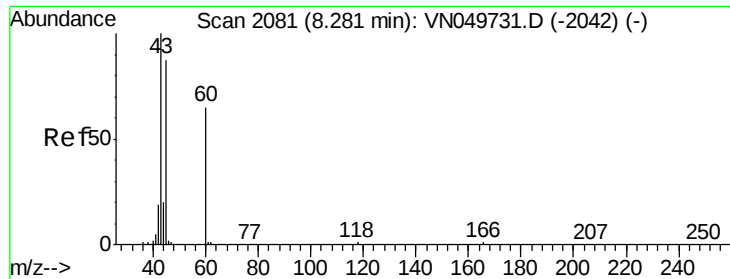
MMDadoda
7/9/2018 6:00:29 PM



#42
1,2-Dichloroethane
Concen: 52.881 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	62	Resp	782794
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	19.0





#43

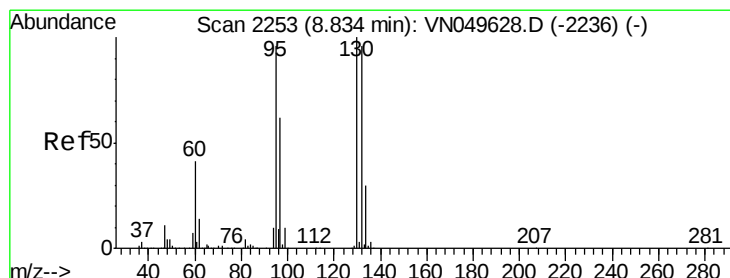
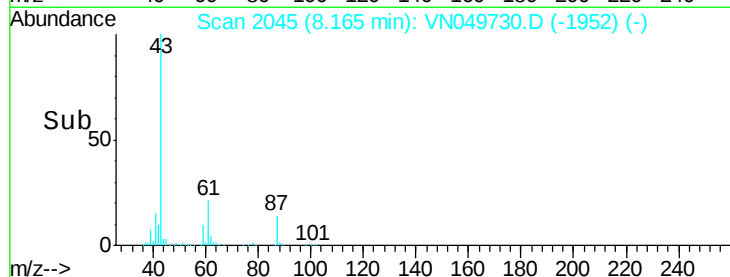
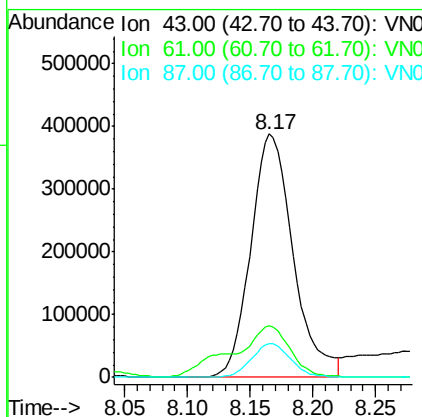
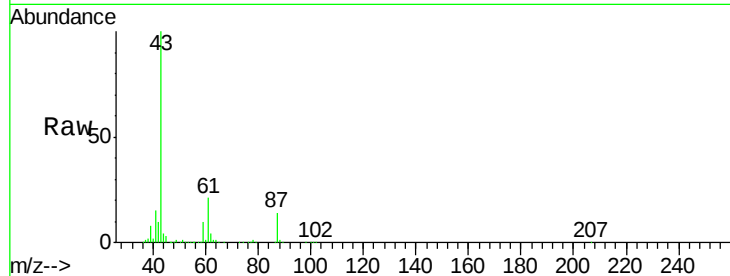
Isopropyl Acetate
 Concen: 51.903 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.9	10.0	15.0

Manual Integrations
 APPROVED

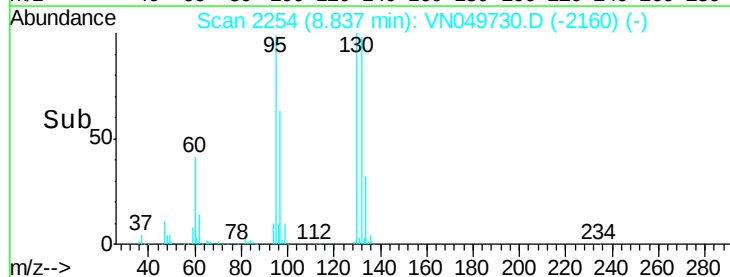
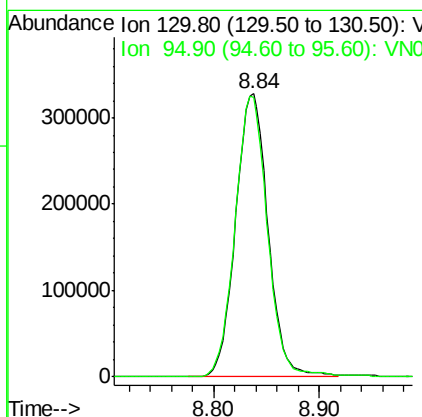
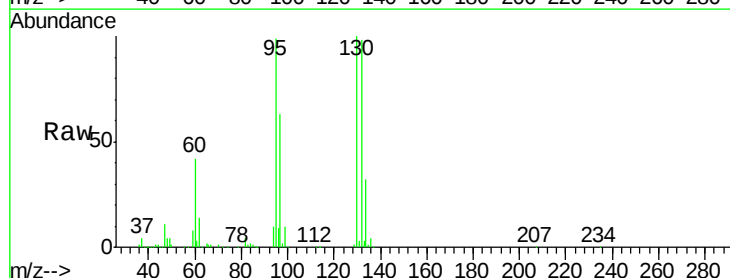
MMDadoda
 7/9/2018 6:00:29 PM

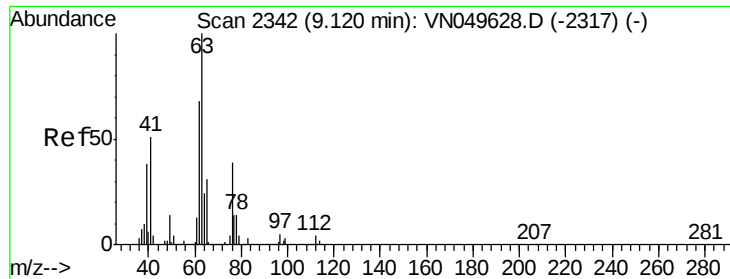


#44

Trichloroethene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	192.8





#45

1,2-Dichloropropane

Concen: 54.806 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 656786

Ion Ratio Lower Upper

63 100

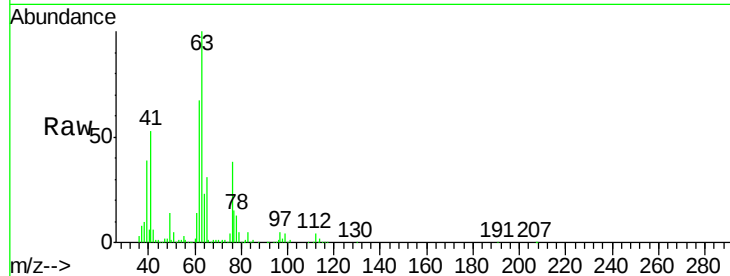
65 30.8 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:29 PM



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-2317) (-)

Ion 64.90 (64.60 to 65.60): VN049628.D (-2317) (-)

9.12

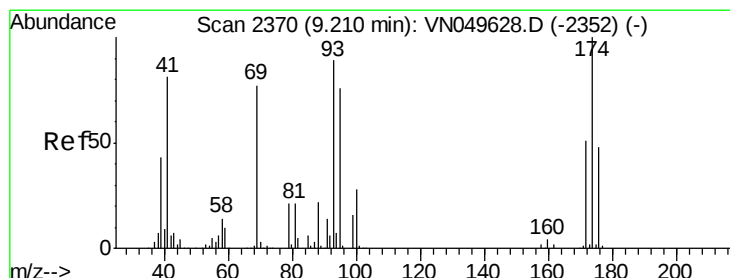
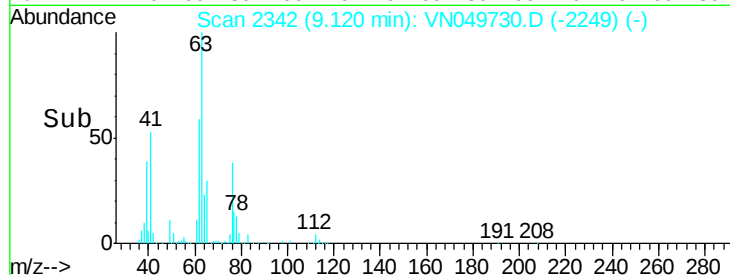
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 54.007 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

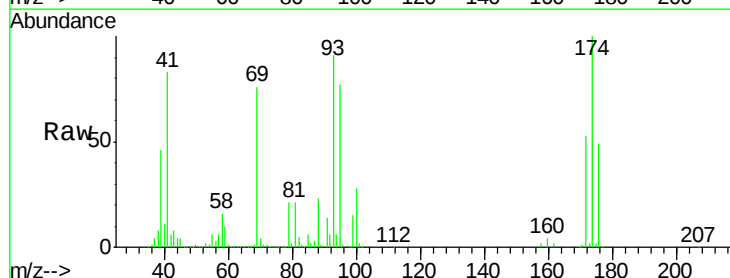
Tgt Ion: 93 Resp: 391543

Ion Ratio Lower Upper

93 100

95 83.8 67.9 101.9

174 110.1 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049628.D (-2352) (-)

Ion 94.80 (94.50 to 95.50): VN049628.D (-2352) (-)

Ion 173.70 (173.40 to 174.40): VN049628.D (-2352) (-)

9.21

250000

200000

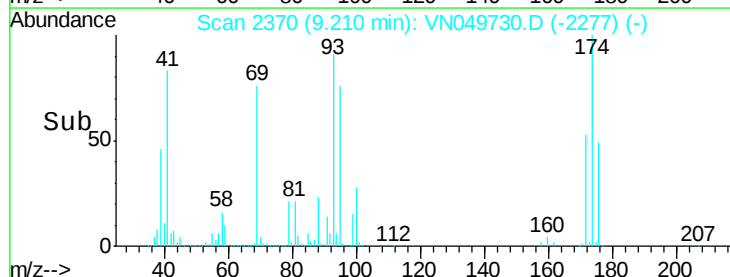
150000

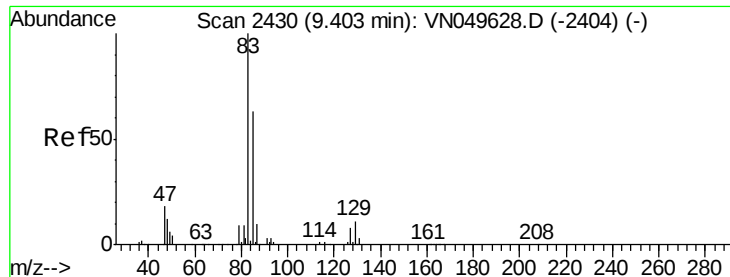
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 54.565 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

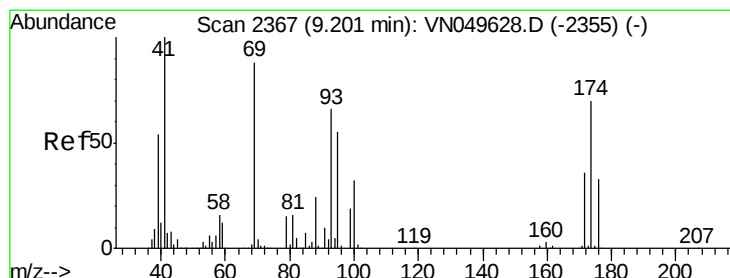
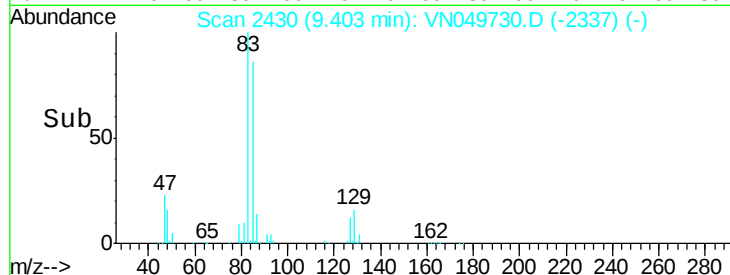
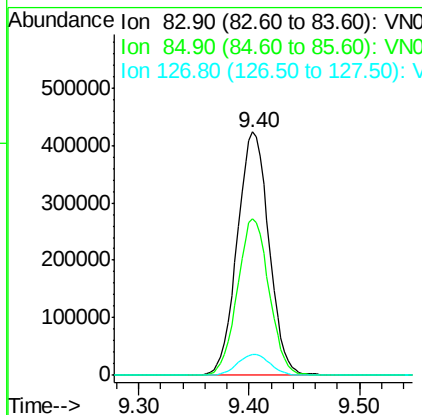
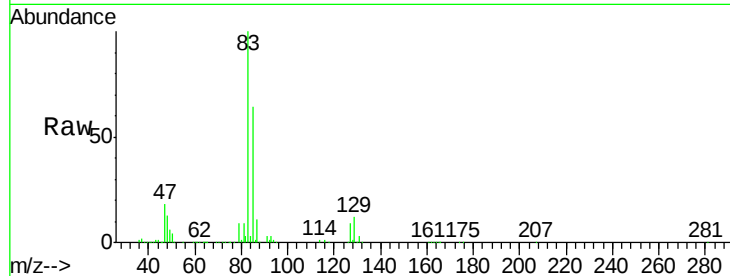
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	842123
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.5	75.7
127	8.7	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



#48

Methyl methacrylate

Concen: 55.845 ug/l

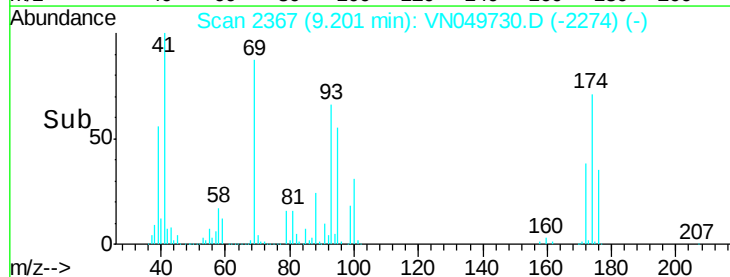
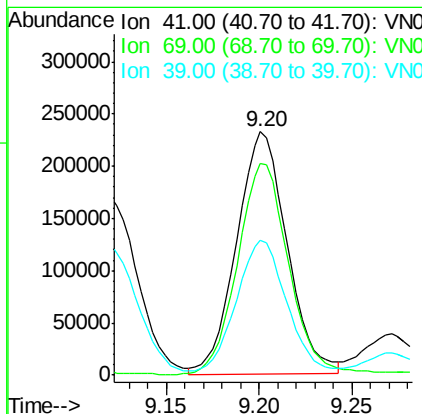
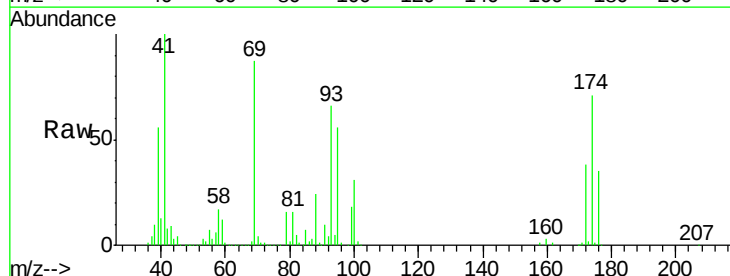
RT: 9.20 min Scan# 2367

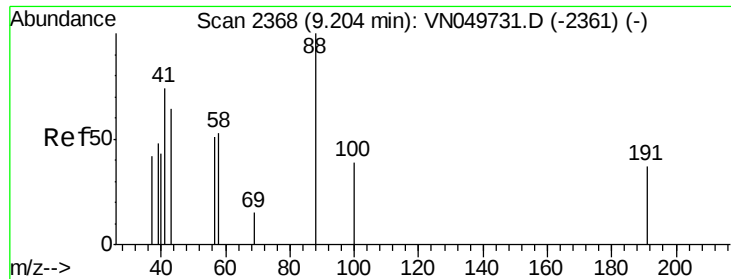
Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tgt Ion:	41	Resp:	439688
Ion Ratio	Lower	Upper	
41	100		
69	87.9	71.5	107.3
39	55.9	44.7	67.1





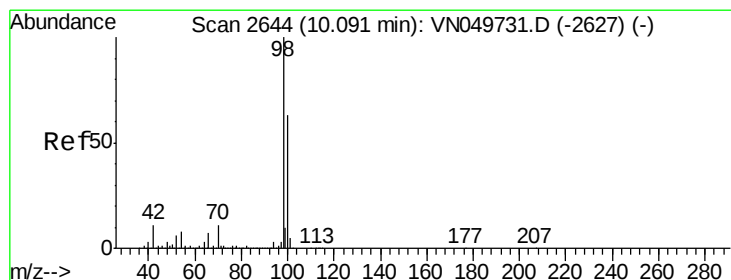
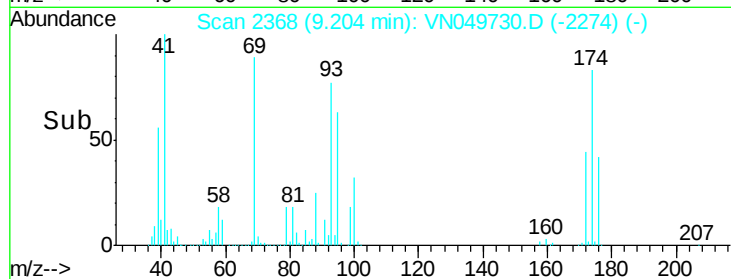
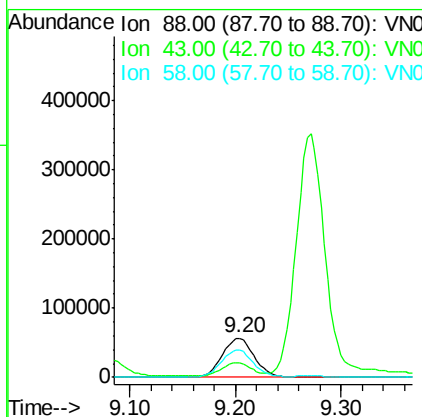
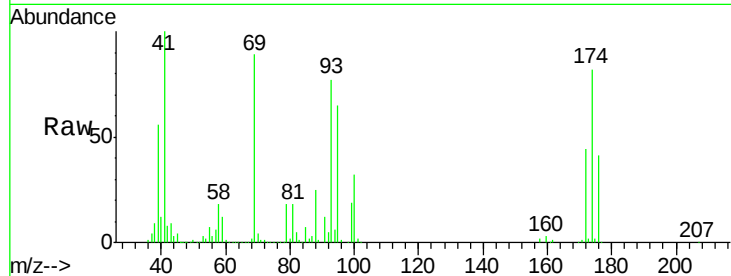
#49
1,4-Dioxane
Concen: 1134.393 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.1	37.7
58	68.7	52.5	78.7

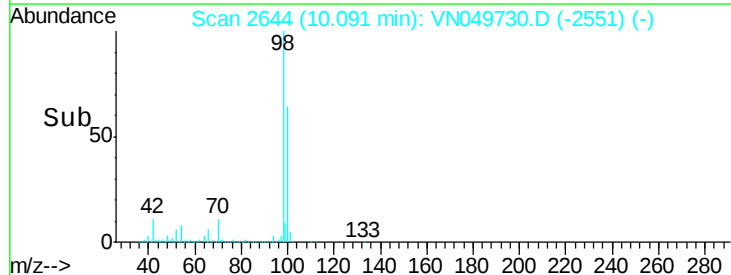
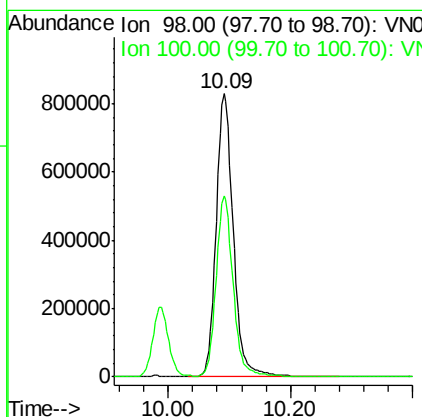
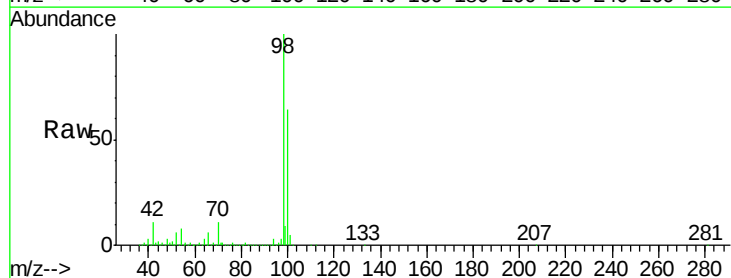
Manual Integrations
APPROVED

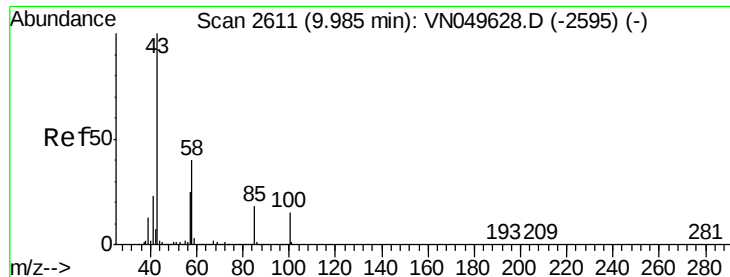
MMDadoda
7/9/2018 6:00:29 PM



#50
Toluene-d8
Concen: 40.989 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





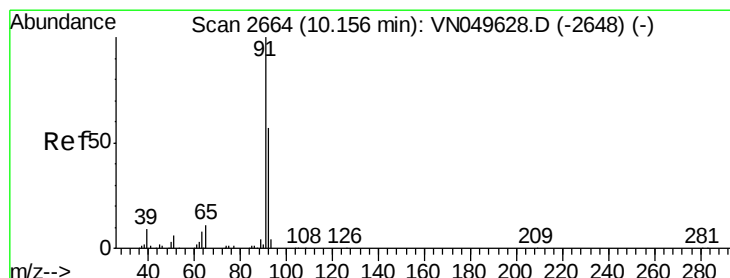
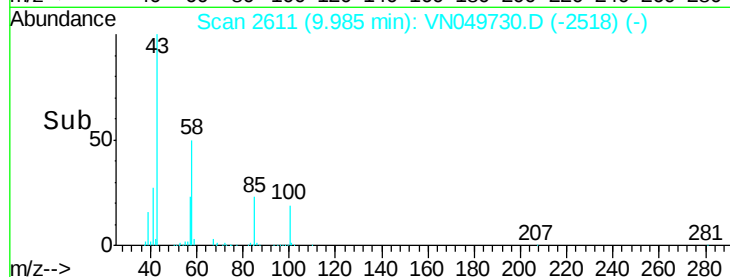
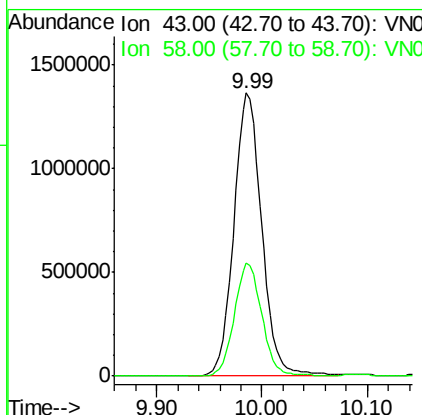
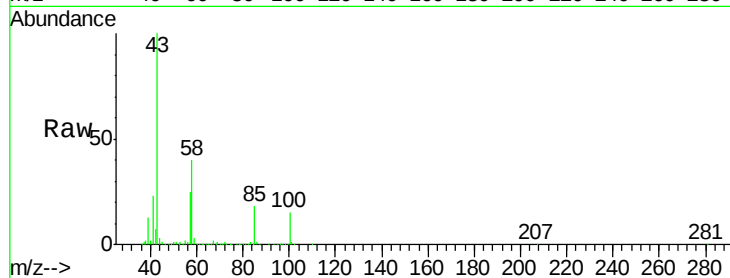
#51
4-Methyl-2-Pentanone
Concen: 286.610 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 2489726
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.8

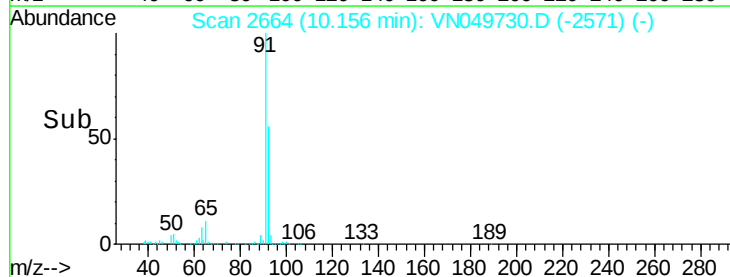
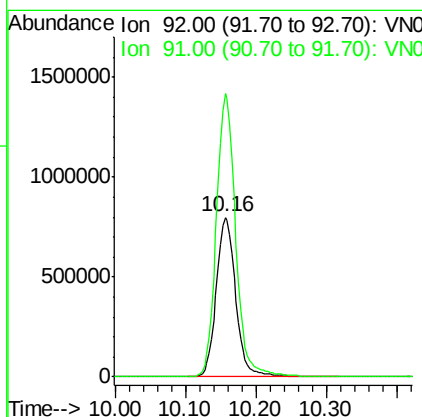
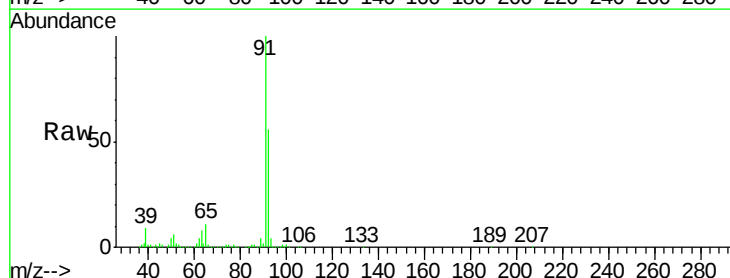
Manual Integrations
APPROVED

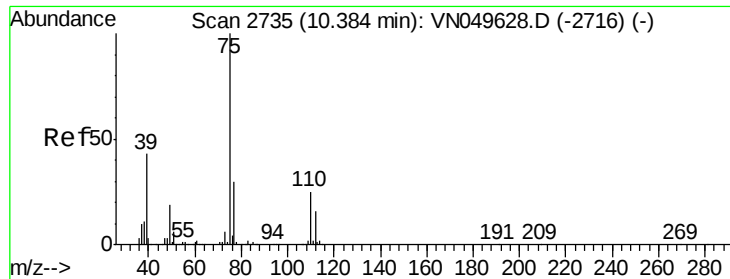
MMDadoda
7/9/2018 6:00:29 PM



#52
Toluene
Concen: 54.686 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion: 92 Resp: 1532416
Ion Ratio Lower Upper
92 100
91 176.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 53.604 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 792155

Ion Ratio Lower Upper

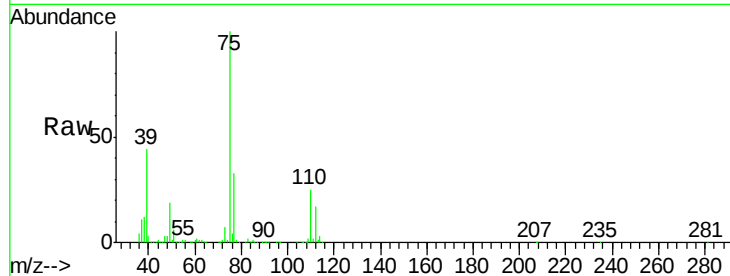
75 100

77 32.2 25.2 37.8

Manual Integrations
APPROVED

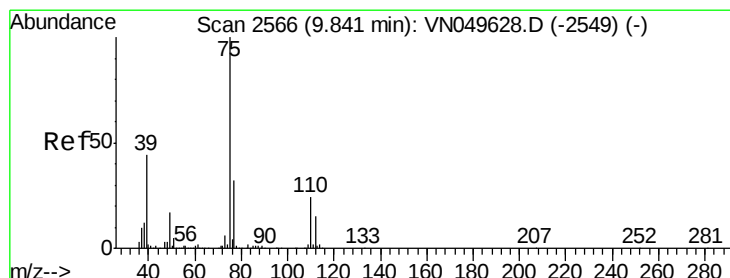
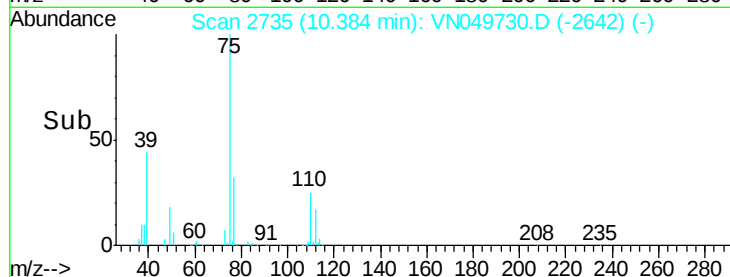
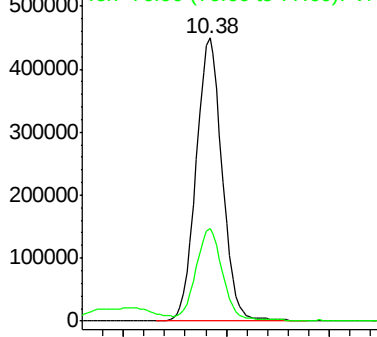
MMDadoda

7/9/2018 6:00:29 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.335 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

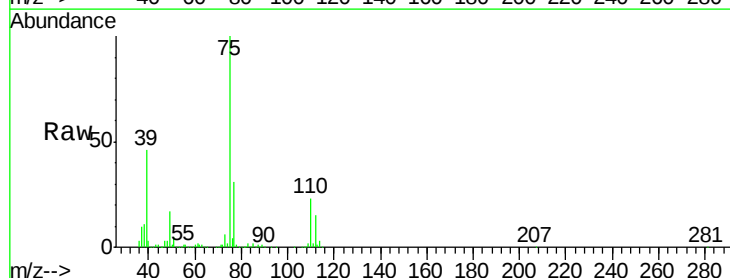
Tgt Ion: 75 Resp: 938454

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9

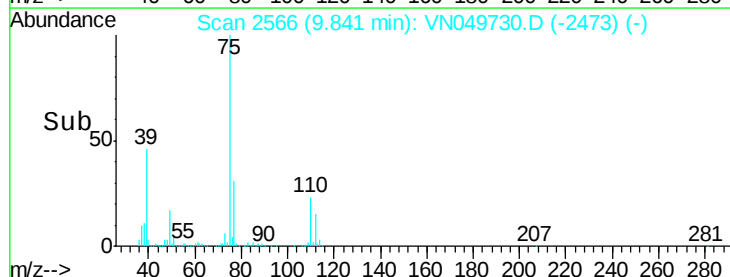
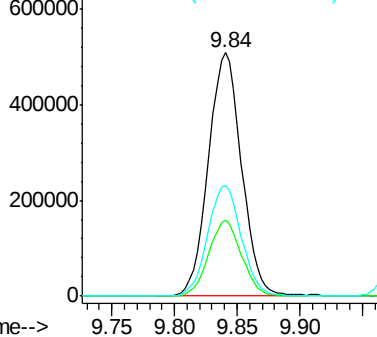
39 45.5 35.5 53.3

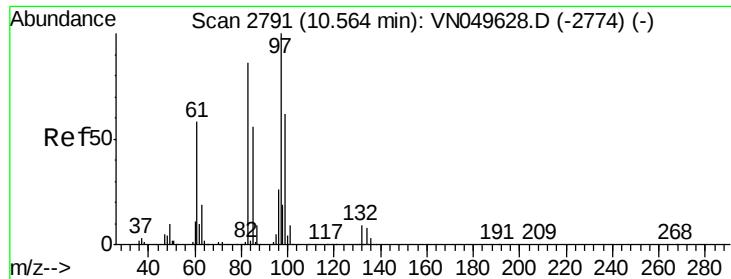


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





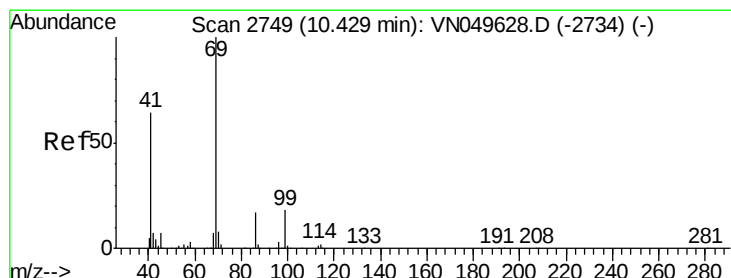
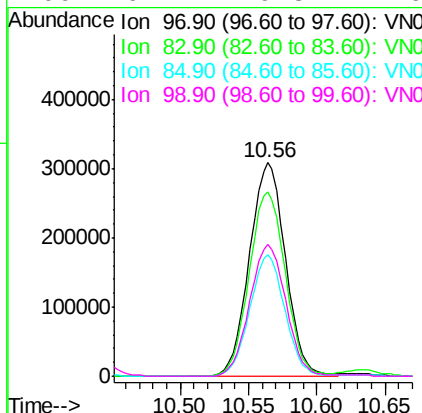
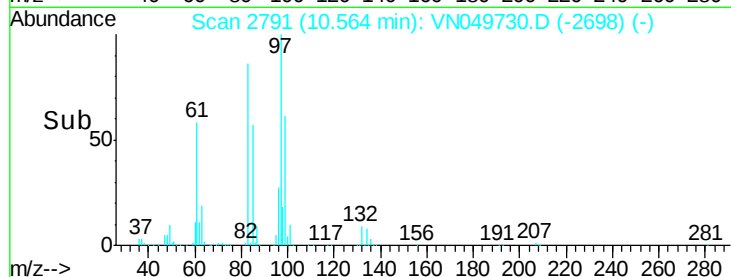
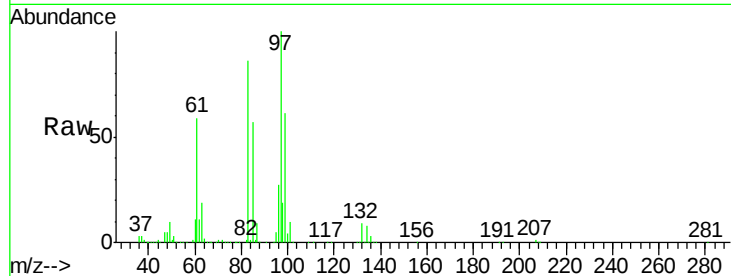
#55
 1,1,2-Trichloroethane
 Concen: 54.191 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	565417
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.0	103.6
85	56.9	44.9	67.3
99	61.4	49.8	74.6

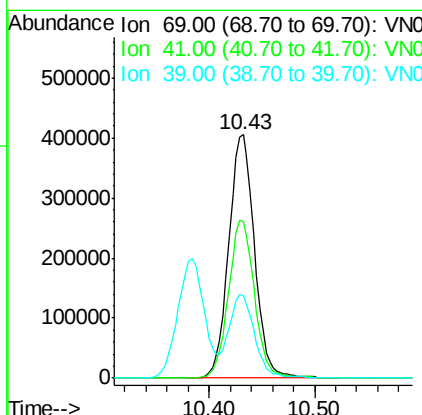
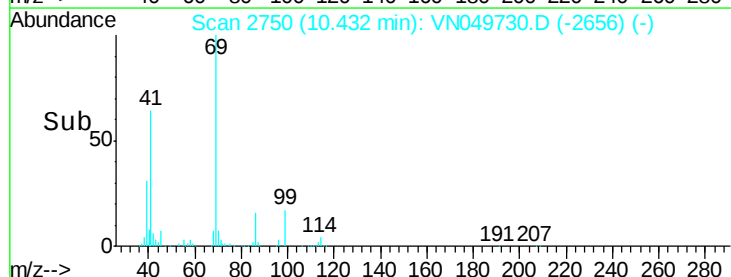
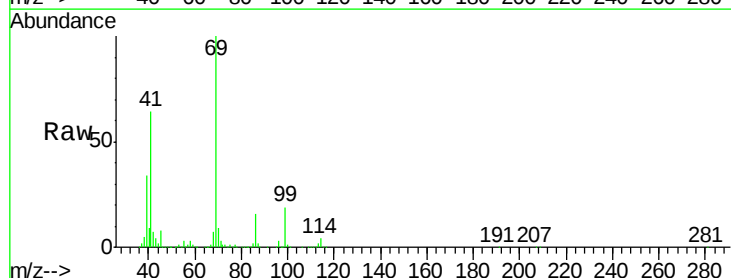
Manual Integrations
 APPROVED

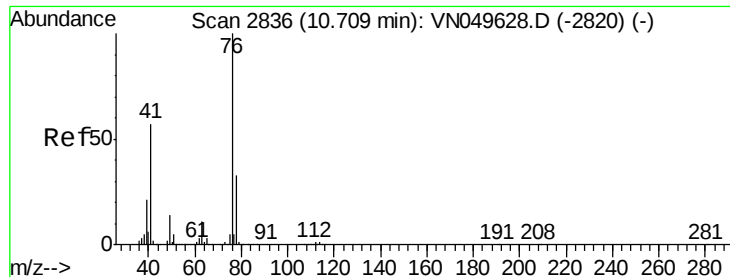
MMDadoda
 7/9/2018 6:00:29 PM



#56
 Ethyl methacrylate
 Concen: 56.025 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Tgt Ion:	69	Resp:	685198
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.6	77.4
39	33.6	25.8	38.8





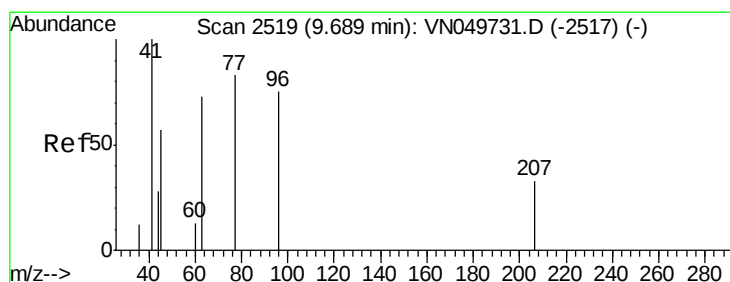
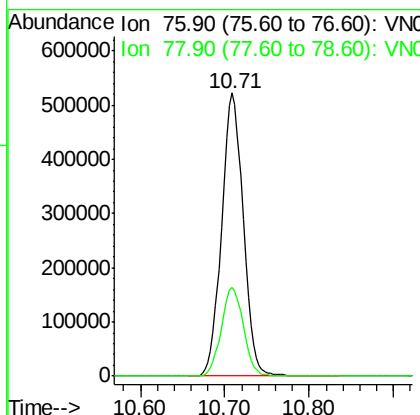
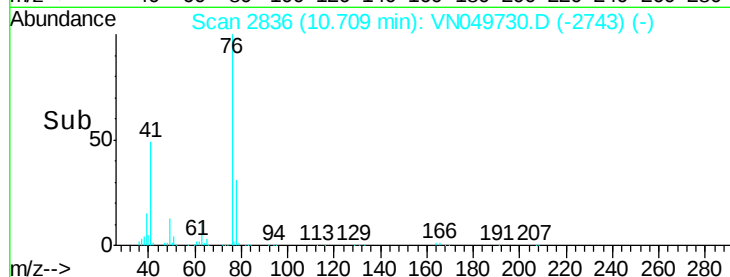
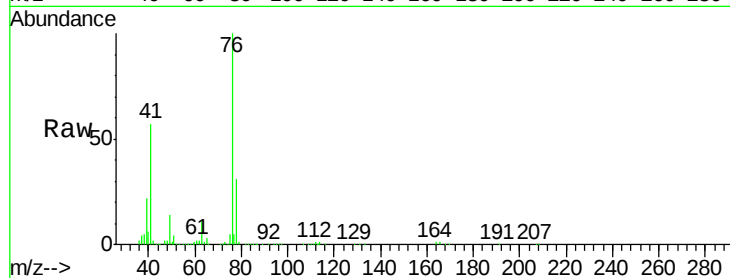
#57
 1,3-Dichloropropane
 Concen: 54.968 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 930002
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

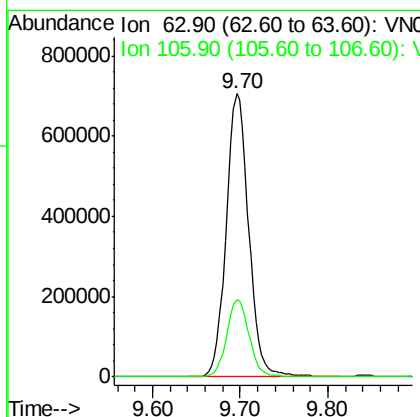
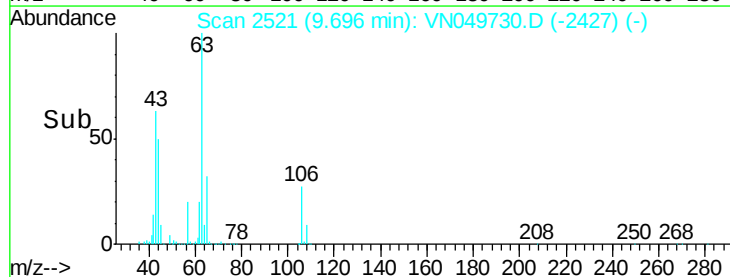
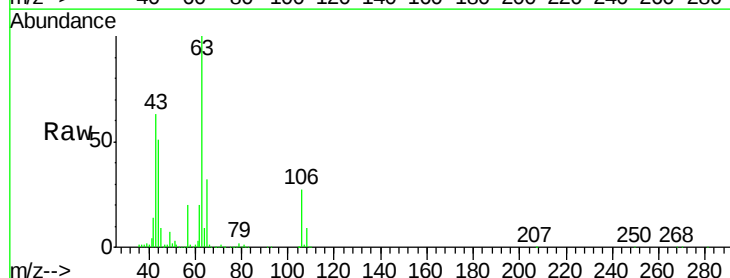
Manual Integrations
 APPROVED

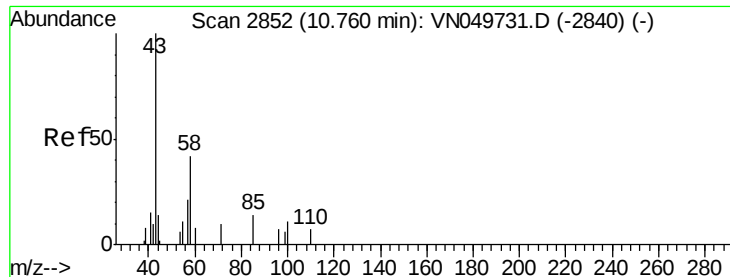
MMDadoda
 7/9/2018 6:00:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 200.109 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Tgt Ion: 63 Resp: 1261148
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.8 32.8





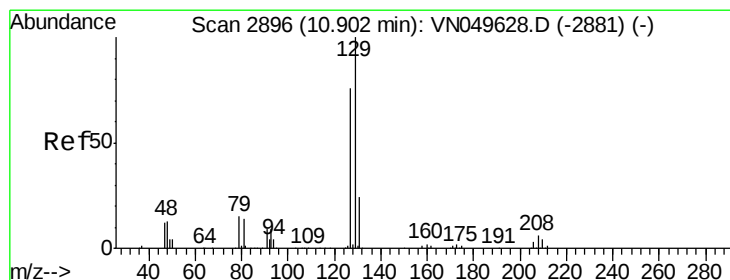
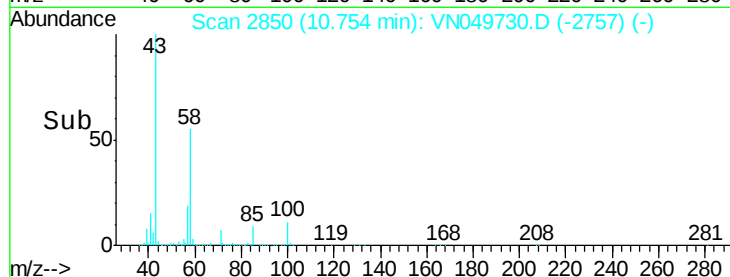
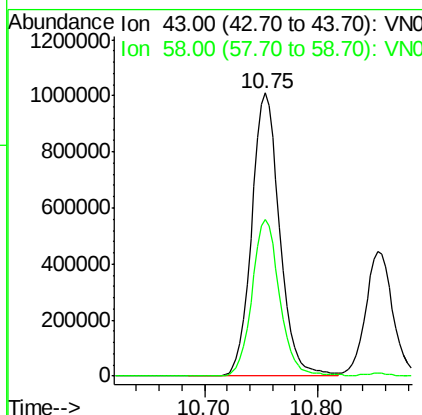
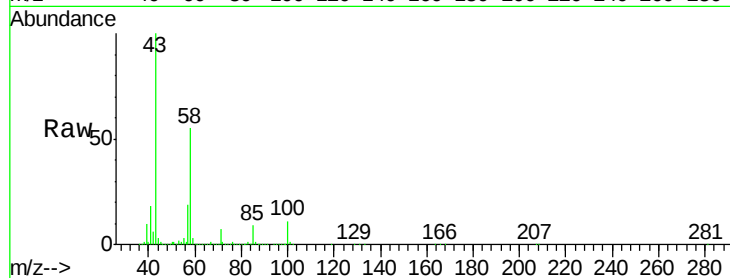
#59
2-Hexanone
Concen: 301.260 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1730493
Ion Ratio Lower Upper
43 100
58 54.8 27.8 83.4

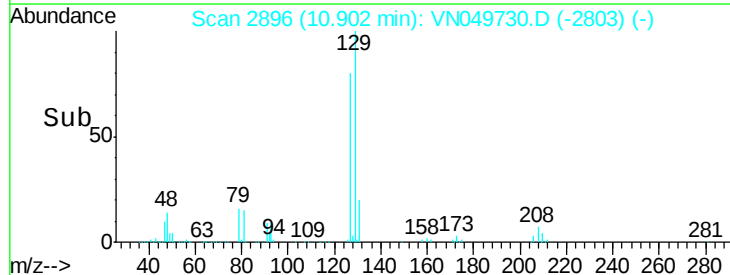
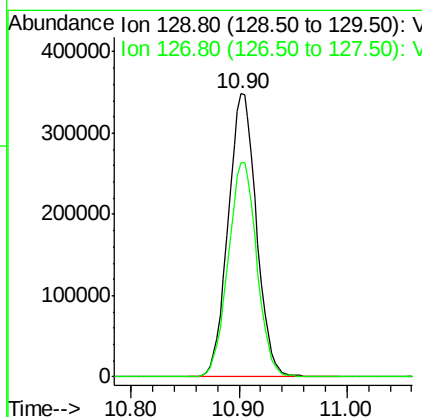
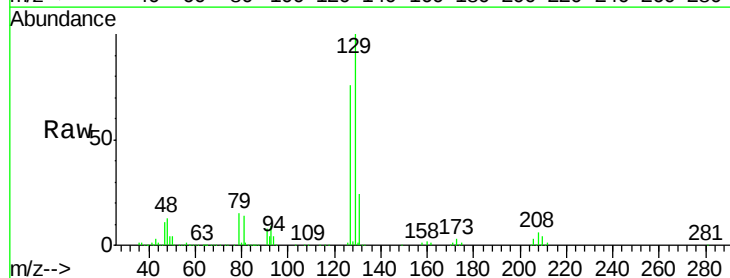
Manual Integrations
APPROVED

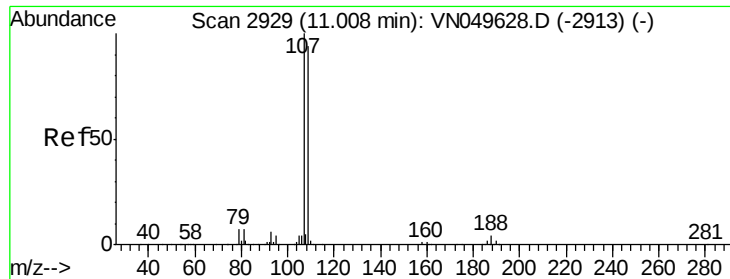
MMDadoda
7/9/2018 6:00:29 PM



#60
Dibromochloromethane
Concen: 56.486 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion: 129 Resp: 636984
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





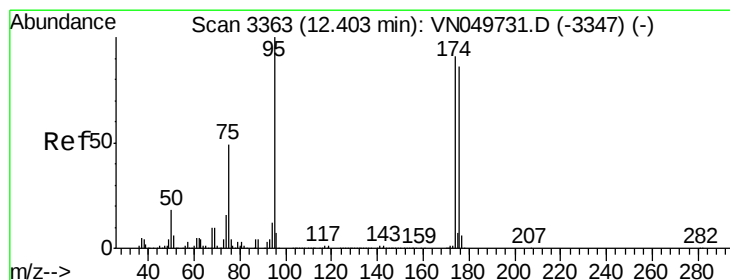
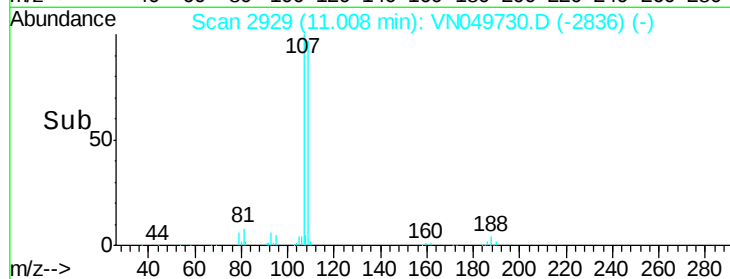
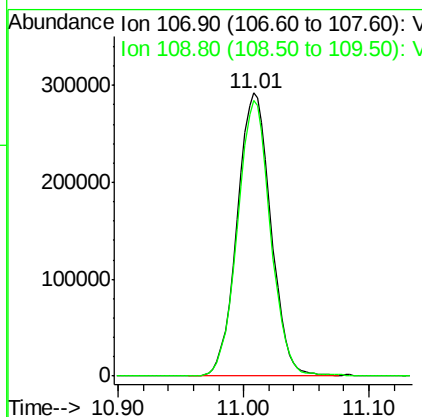
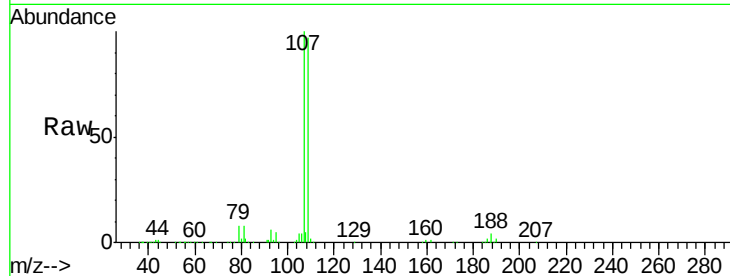
#61
 1,2-Dibromoethane
 Concen: 54.506 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		544915		
109	95.4	75.0	112.6		

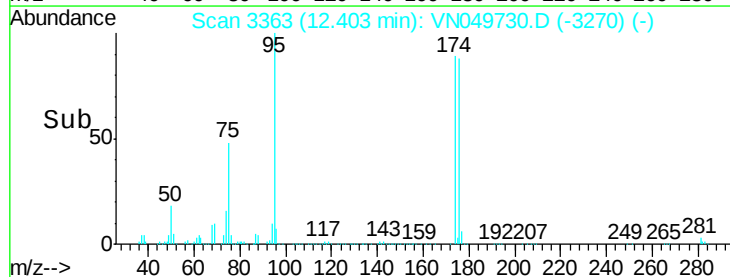
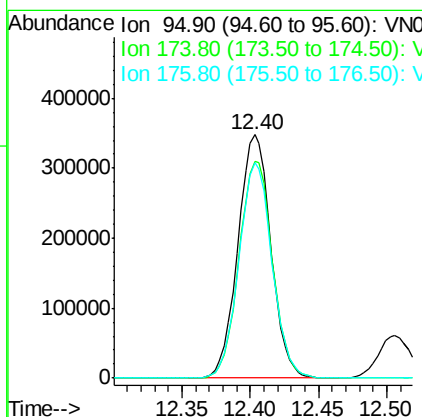
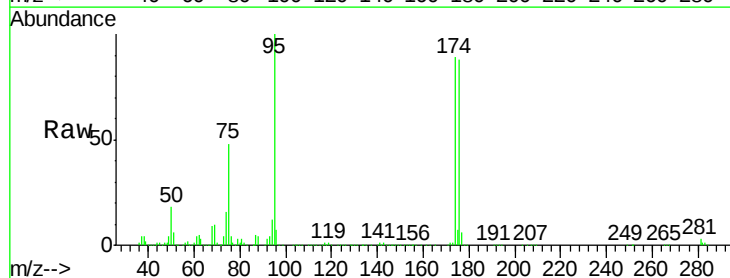
Manual Integrations
 APPROVED

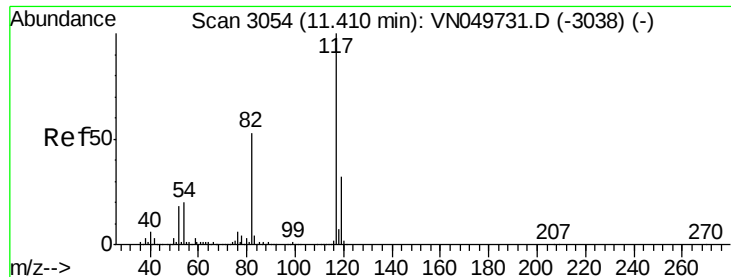
MMDadoda
 7/9/2018 6:00:29 PM



#62
 4-Bromofluorobenzene
 Concen: 43.257 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		583516		
174	90.3	0.0	179.6		
176	88.7	0.0	174.0		





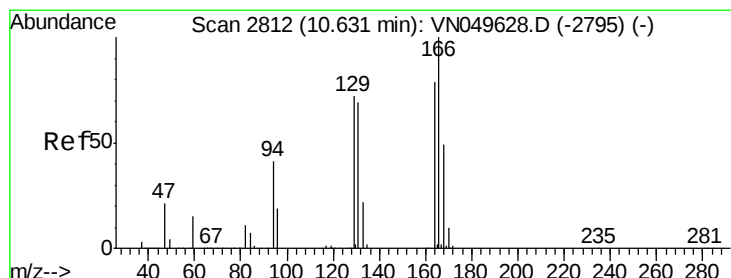
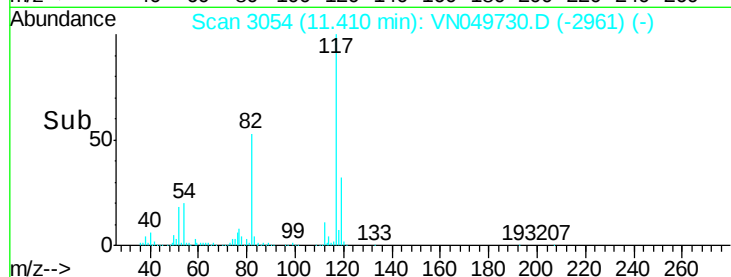
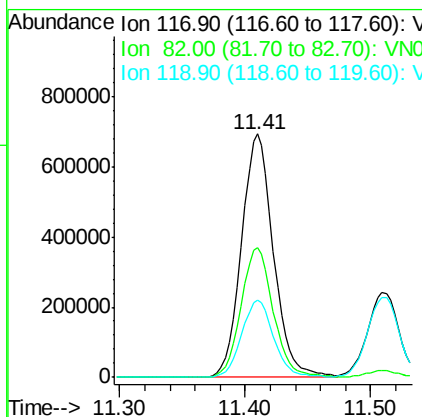
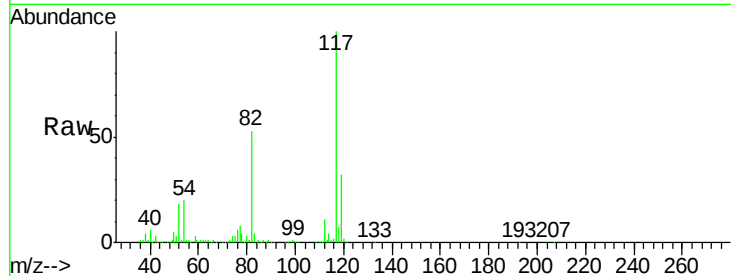
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.9	62.9
119	31.7	25.4	38.2

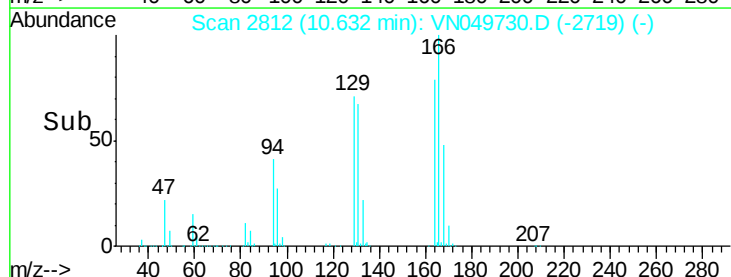
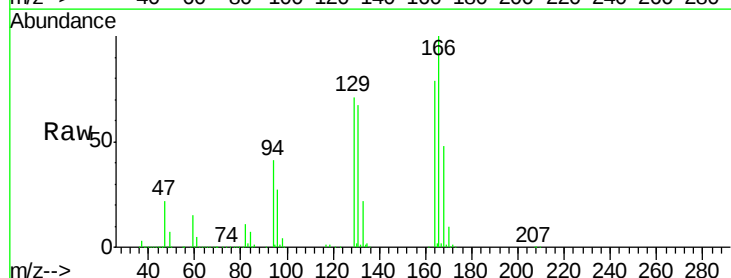
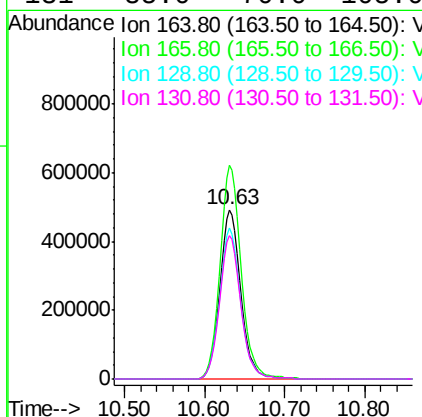
Manual Integrations
APPROVED

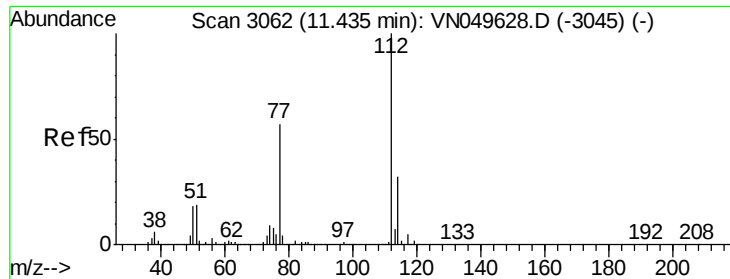
MMDadoda
7/9/2018 6:00:29 PM



#64
Tetrachloroethene
Concen: 53.592 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.8	152.6
129	89.2	72.8	109.2
131	85.0	70.0	105.0





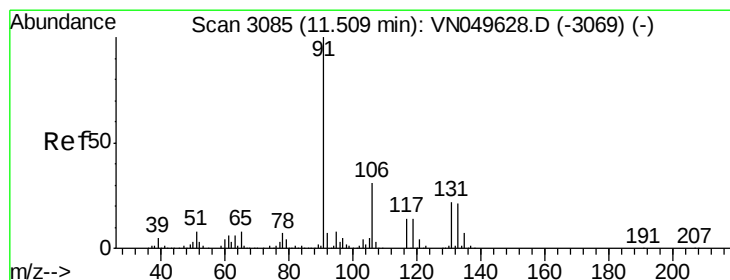
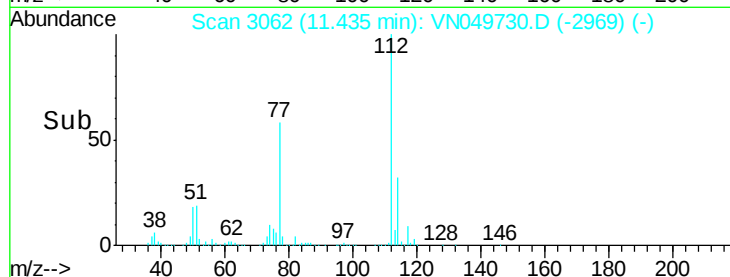
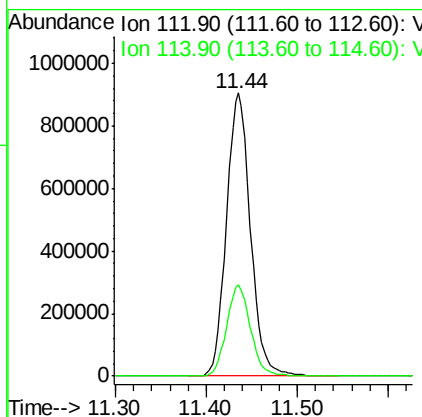
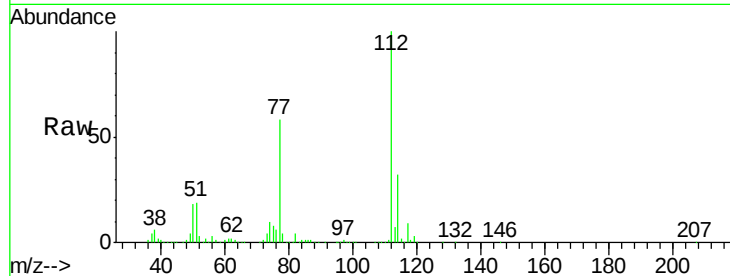
#65
Chlorobenzene
Concen: 51.520 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1653538
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

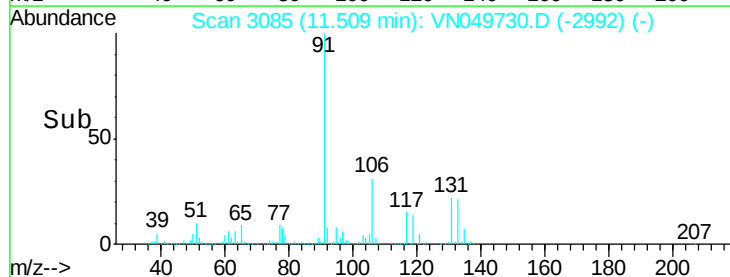
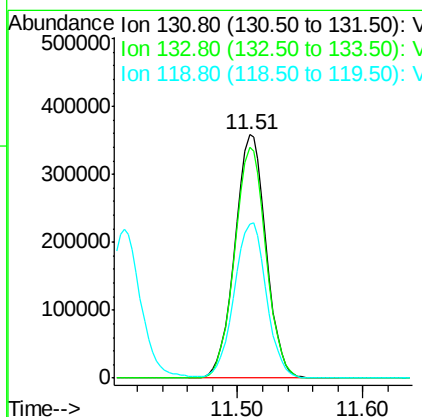
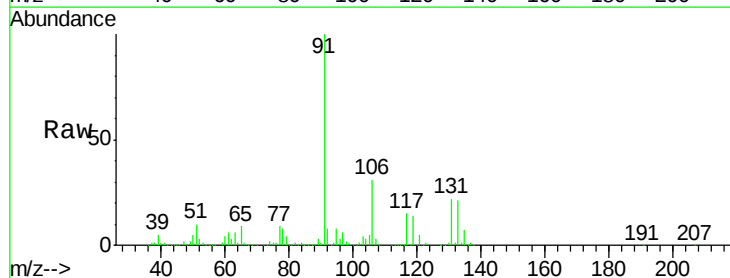
Manual Integrations
APPROVED

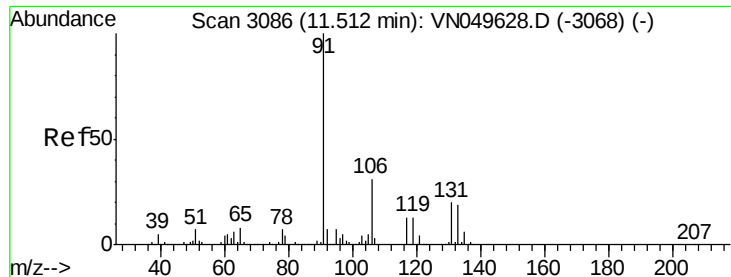
MMDadoda
7/9/2018 6:00:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.716 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion:131 Resp: 619477
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.6
119 65.7 33.1 99.3





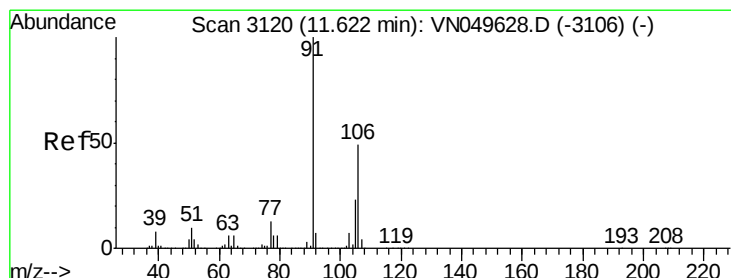
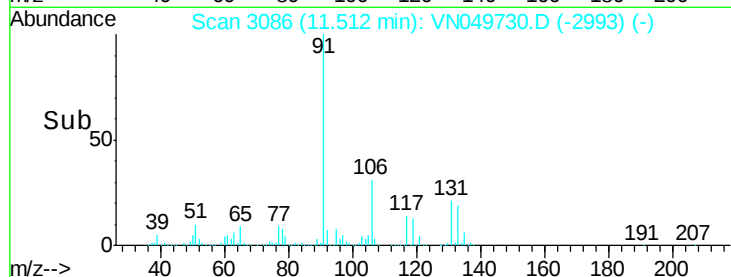
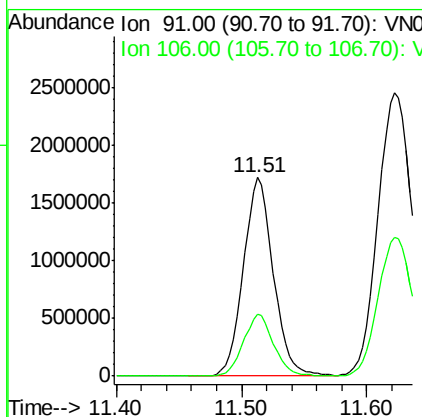
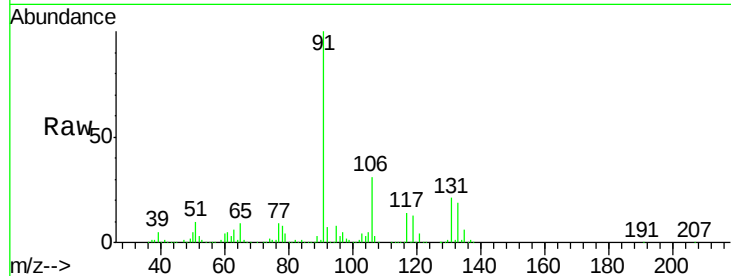
#67
Ethyl Benzene
Concen: 54.048 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2867500
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

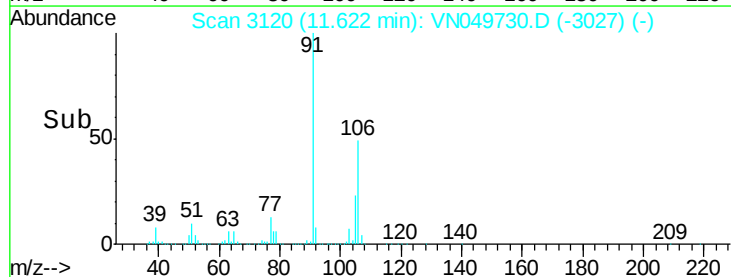
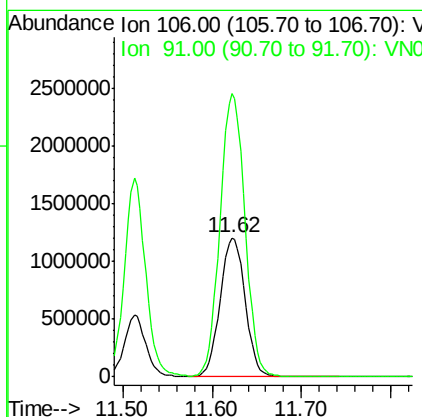
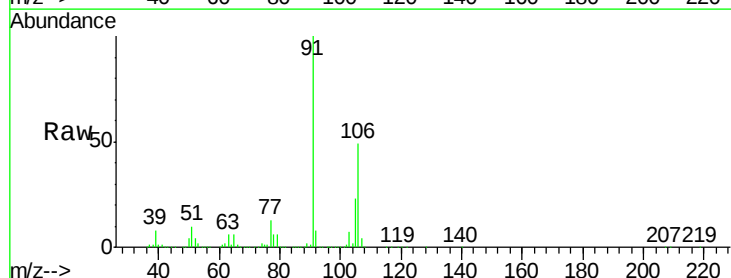
Manual Integrations
APPROVED

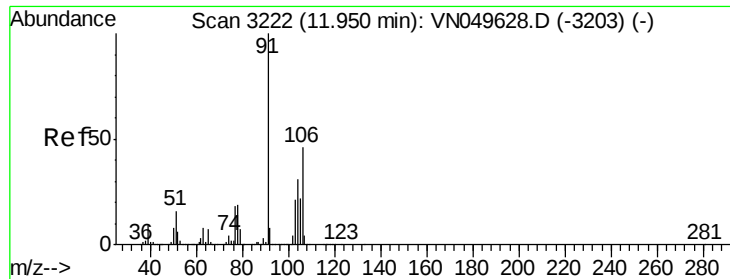
MMDadoda
7/9/2018 6:00:29 PM



#68
m/p-Xylenes
Concen: 114.993 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion: 106 Resp: 2338078
Ion Ratio Lower Upper
106 100
91 202.6 163.4 245.2





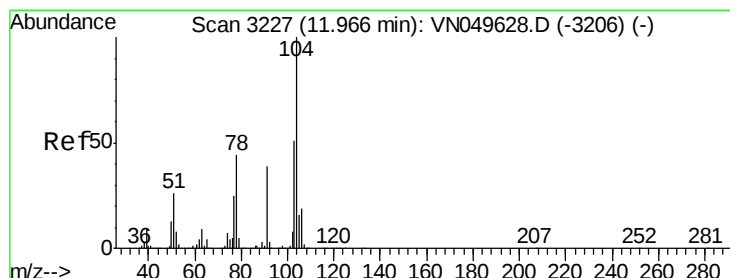
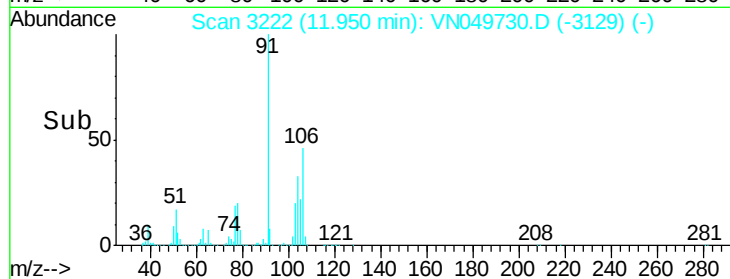
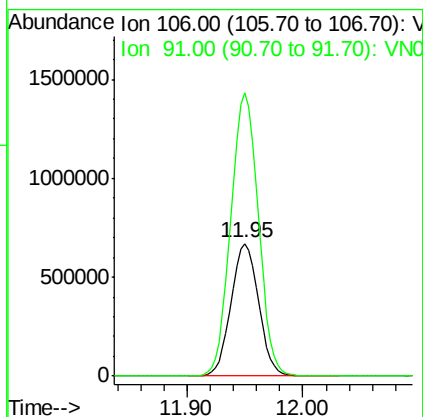
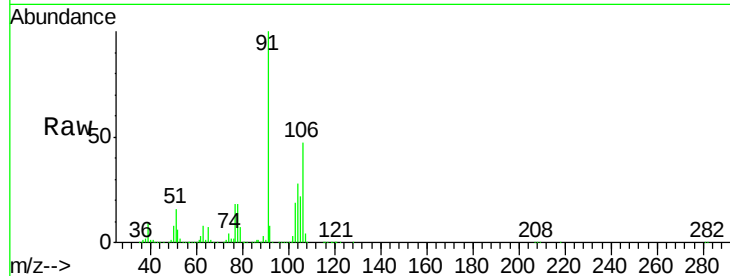
#69
o-Xylene
Concen: 56.310 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1096157
Ion Ratio Lower Upper
106 100
91 214.2 108.7 326.1

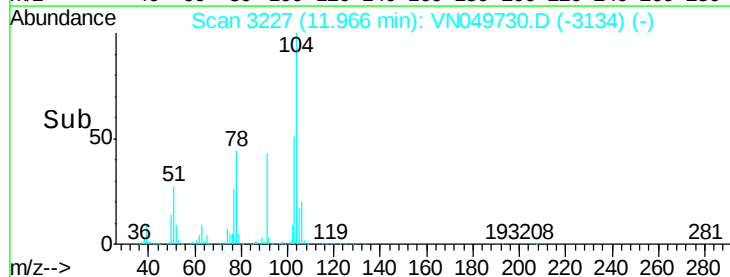
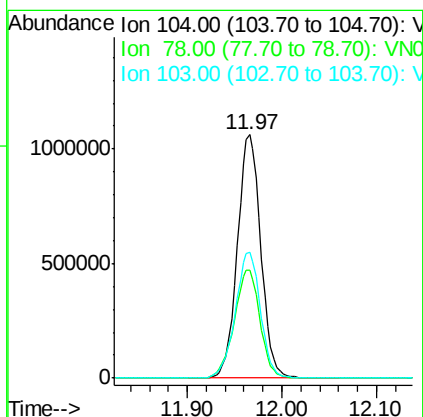
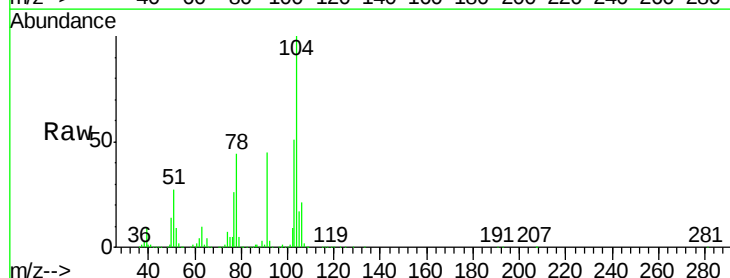
Manual Integrations
APPROVED

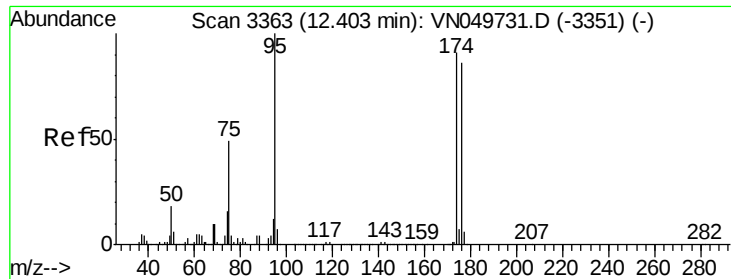
MMDadoda
7/9/2018 6:00:29 PM



#70
Styrene
Concen: 57.731 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion:104 Resp: 1818356
Ion Ratio Lower Upper
104 100
78 48.7 39.2 58.8
103 55.5 44.6 67.0





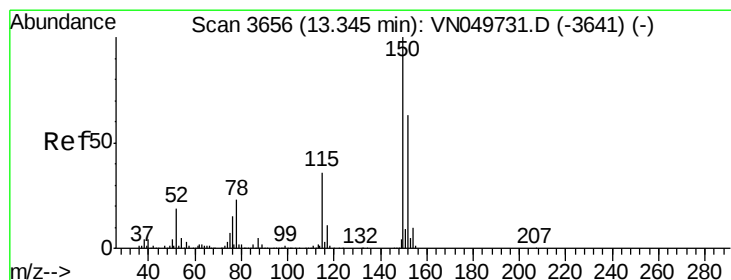
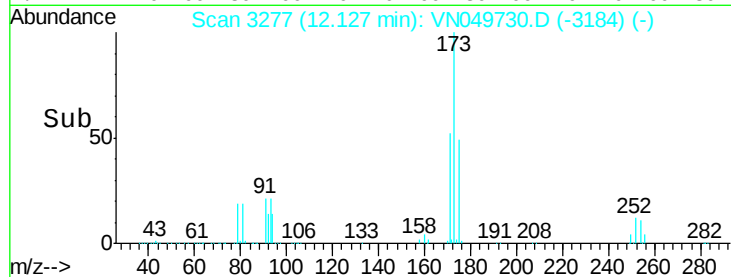
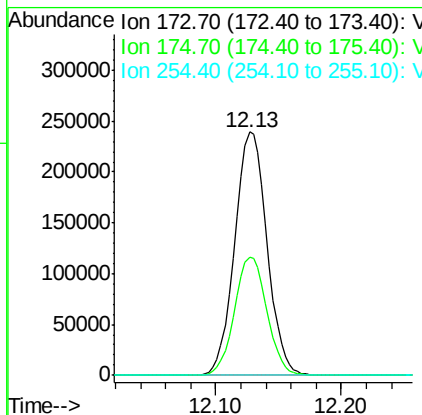
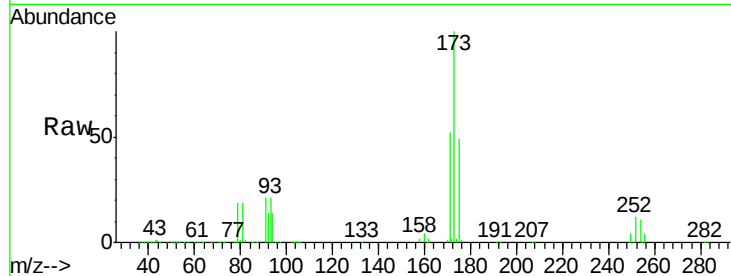
#71
Bromoform
Concen: 55.791 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.8
254	0.1	0.2	0.2#

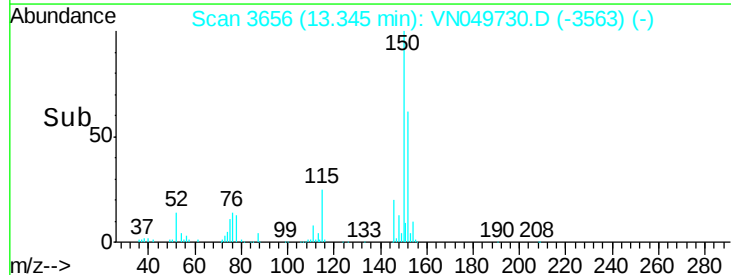
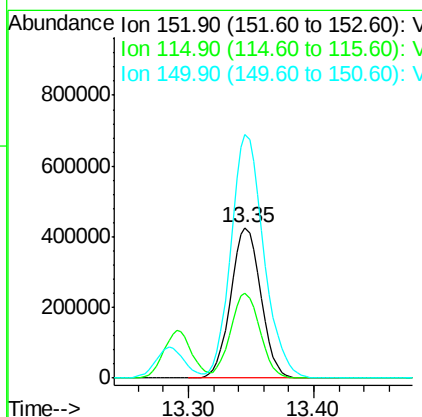
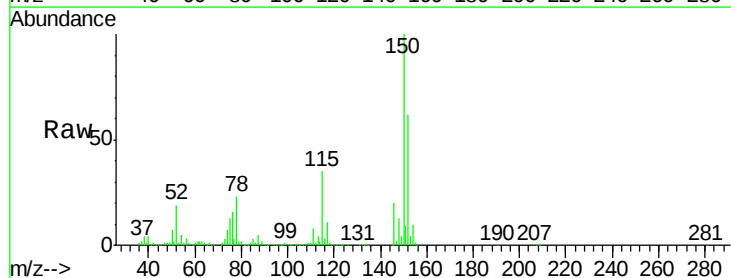
Manual Integrations
APPROVED

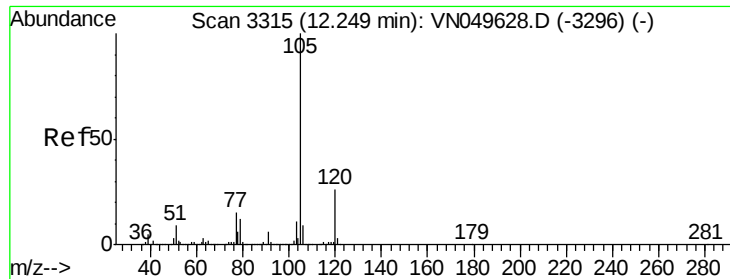
MMDadoda
7/9/2018 6:00:29 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.1	84.2
150	176.6	0.0	347.6





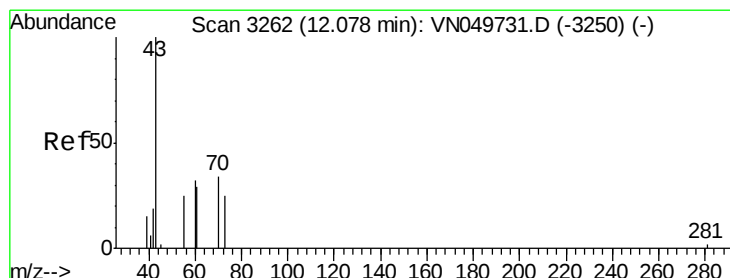
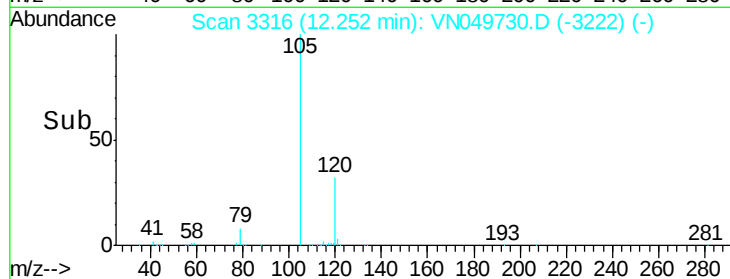
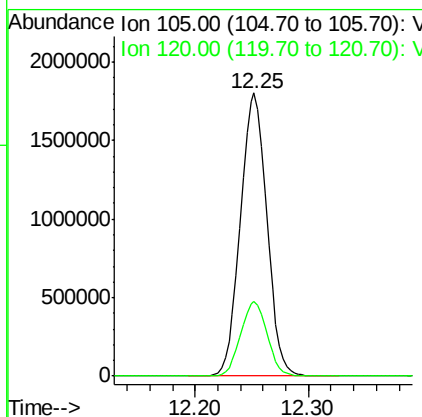
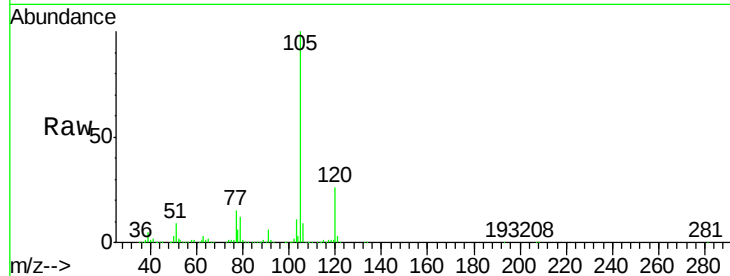
#73
Isopropylbenzene
Concen: 52.216 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 2942736
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.8

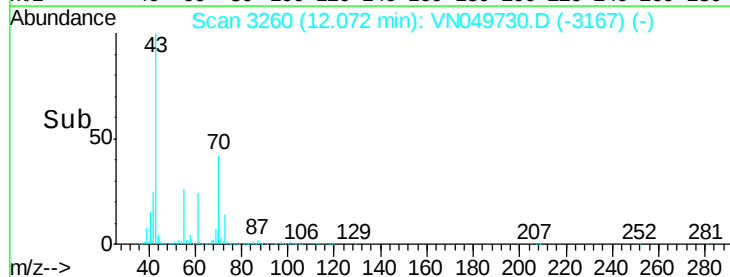
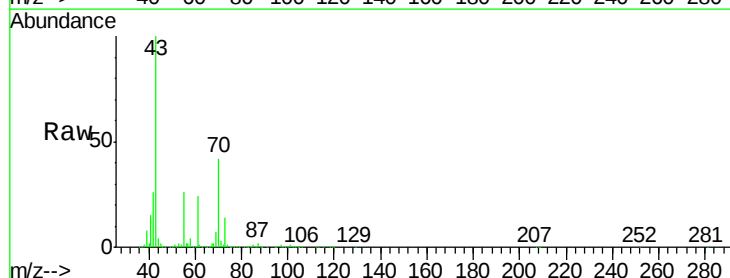
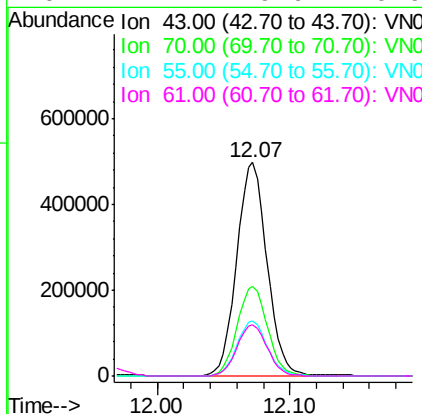
Manual Integrations
APPROVED

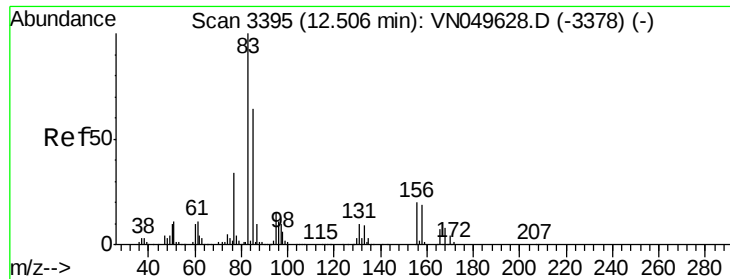
MMDadoda
7/9/2018 6:00:29 PM



#74
N-ethyl acetate
Concen: 51.244 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion: 43 Resp: 788871
Ion Ratio Lower Upper
43 100
70 42.2 34.8 52.2
55 26.1 20.9 31.3
61 24.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 56.624 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

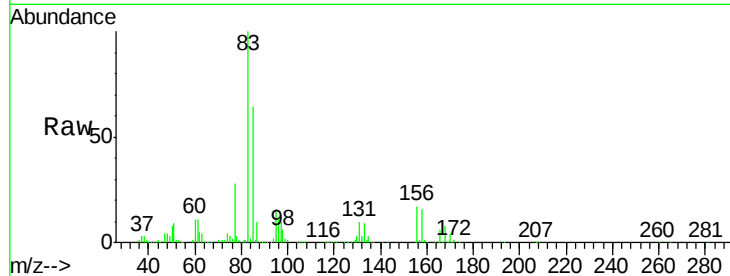
ClientSampled :

VSTDCCC050

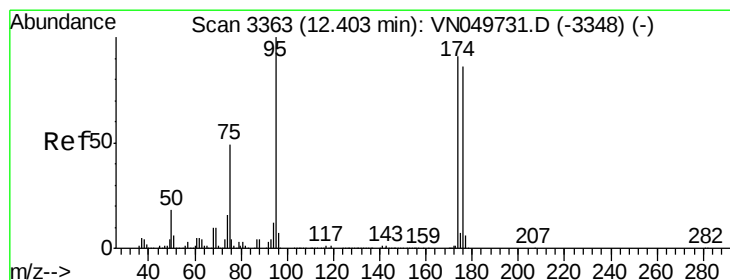
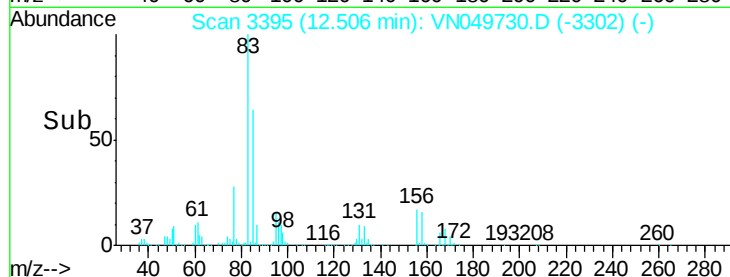
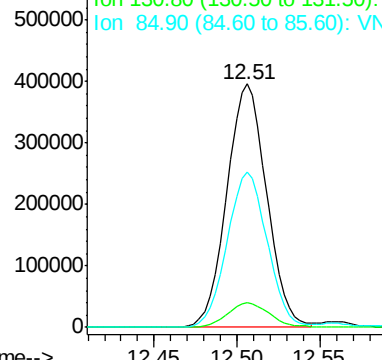
Tot Ion:	83	Resp:	660542
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.2	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049730.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 55.118 ug/l m

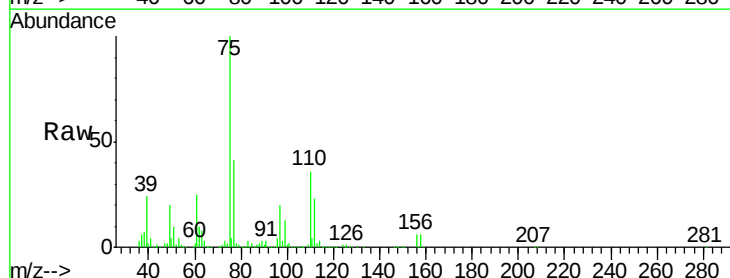
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

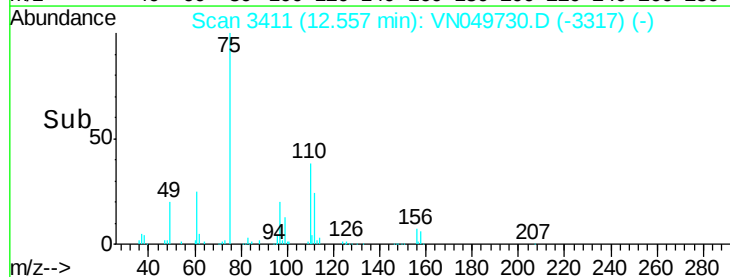
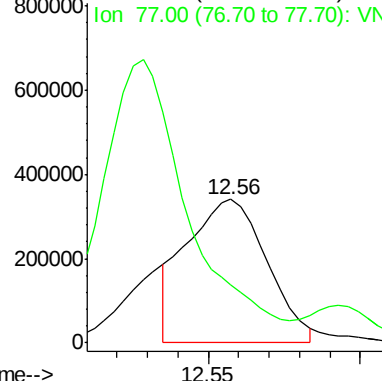
Lab File: VN049730.D

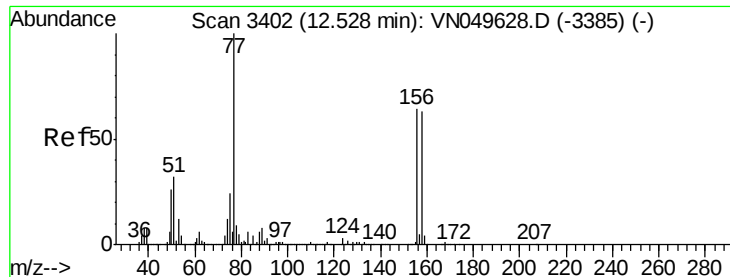
Acq: 6 Jul 2018 10:04

Tgt Ion:	75	Resp:	625437
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049730.D (-3317) (-)





#77

Bromobenzene

Concen: 48.660 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 745708

Ion Ratio Lower Upper

156 100

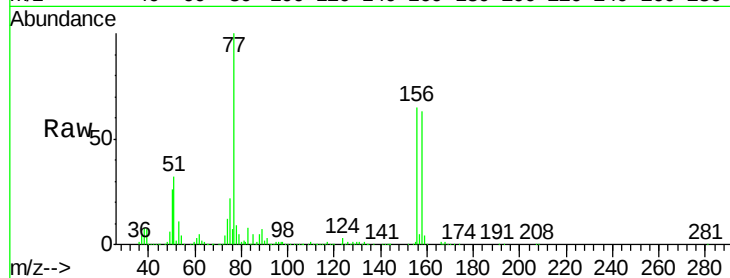
77 178.2 90.2 270.6

158 97.1 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

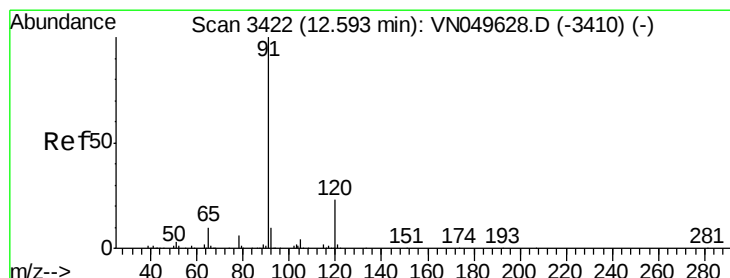
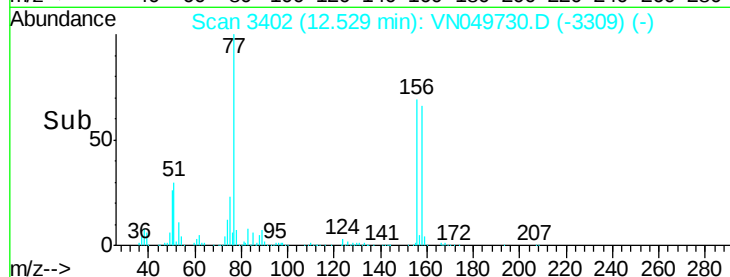
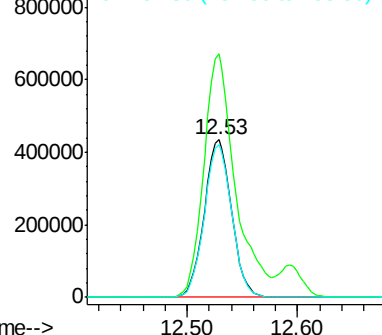
7/9/2018 6:00:29 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.937 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049730.D

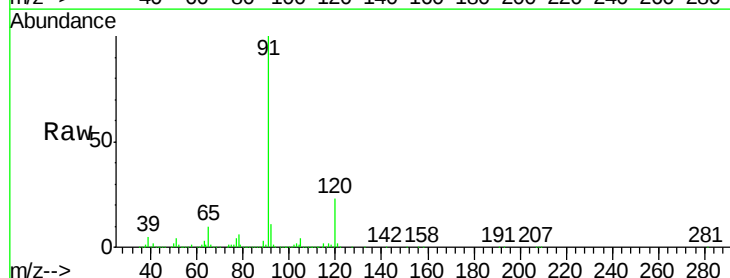
Acq: 6 Jul 2018 10:04

Tgt Ion: 91 Resp: 3548431

Ion Ratio Lower Upper

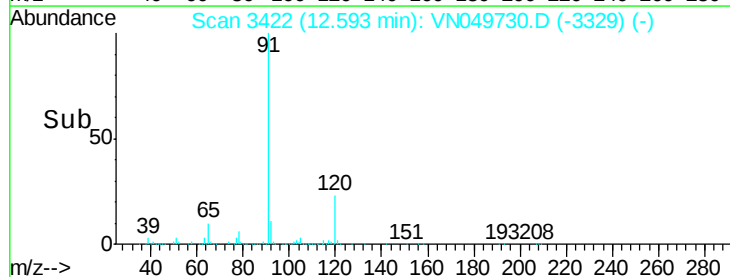
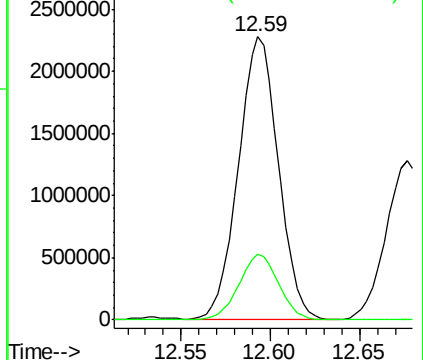
91 100

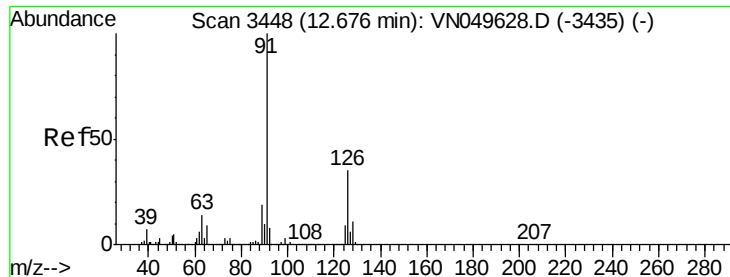
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.880 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2079891

Ion Ratio Lower Upper

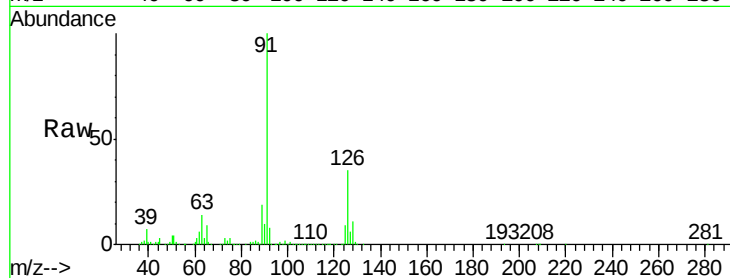
91 100

126 35.0 17.5 52.5

Manual Integrations
APPROVED

MMDadoda

7/9/2018 6:00:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3435) (-)

1500000

1000000

500000

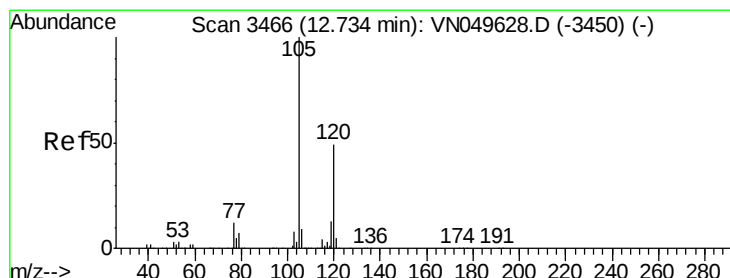
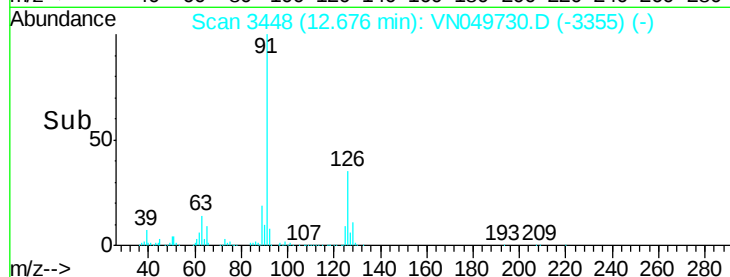
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 56.086 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049730.D

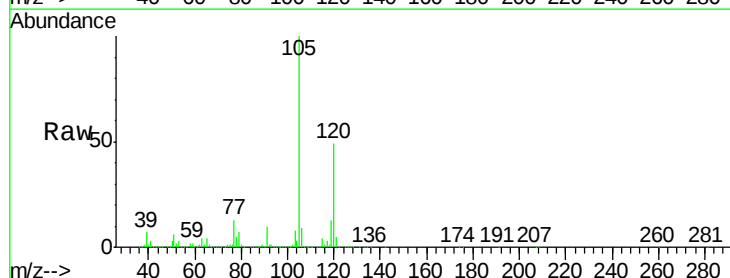
Acq: 6 Jul 2018 10:04

Tgt Ion: 105 Resp: 2626596

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)

2000000

1500000

1000000

500000

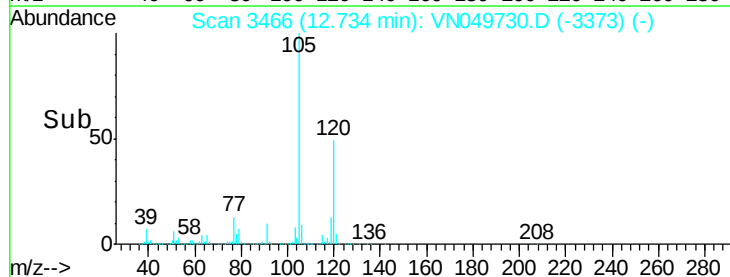
0

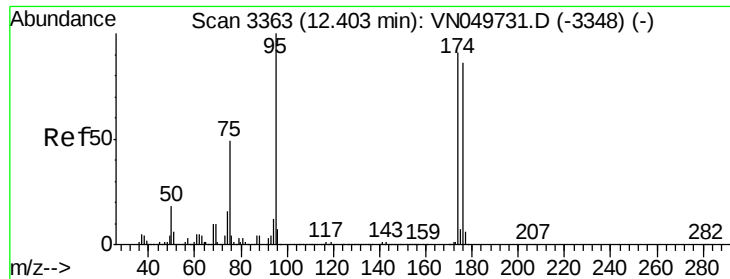
12.73

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.454 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

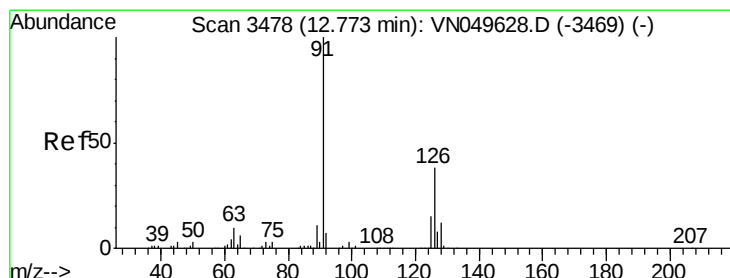
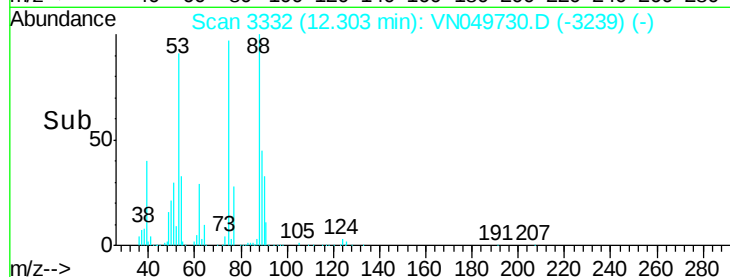
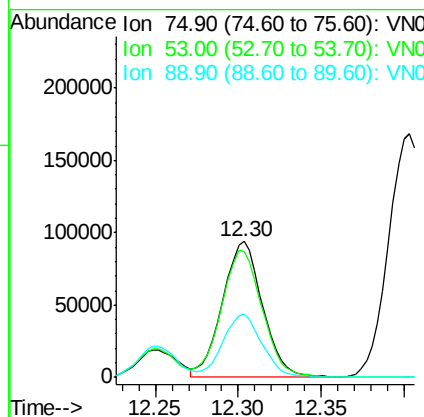
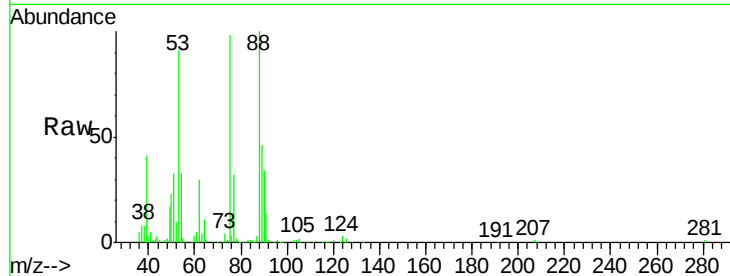
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	158540
Ion	Ratio	Lower	Upper
75	100		
53	94.4	73.9	110.9
89	45.6	35.9	53.9

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



#82

4-Chlorotoluene

Concen: 51.949 ug/l

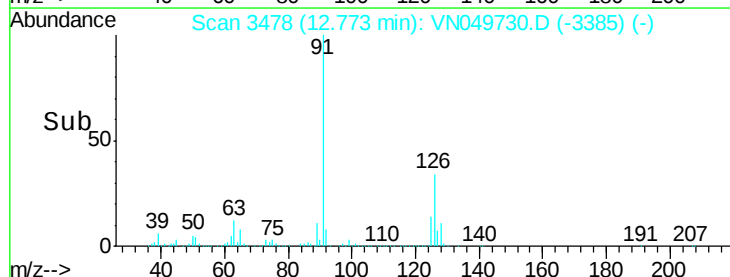
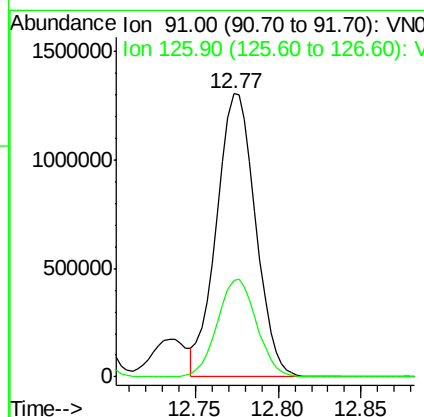
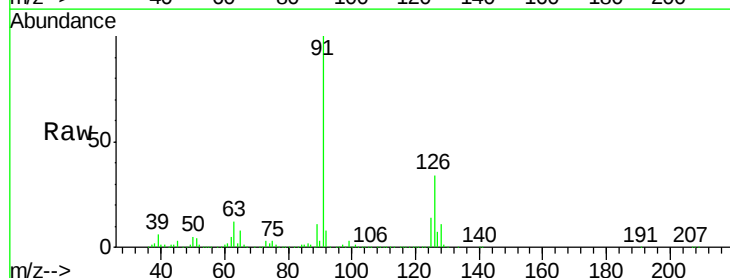
RT: 12.77 min Scan# 3478

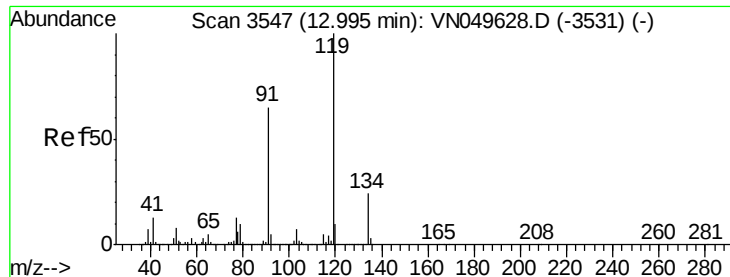
Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Tgt Ion:	91	Resp:	2135215
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.6





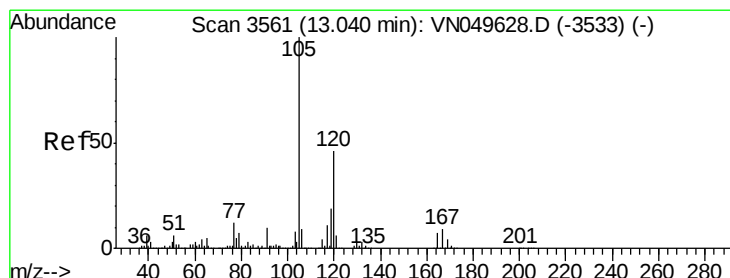
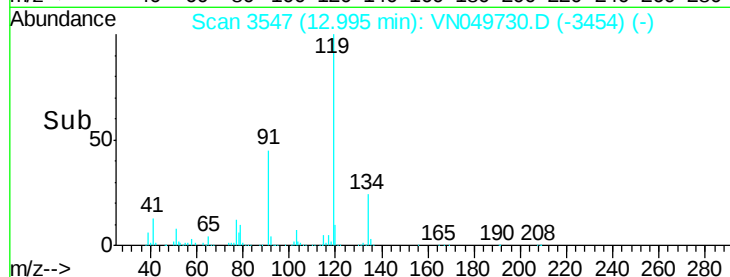
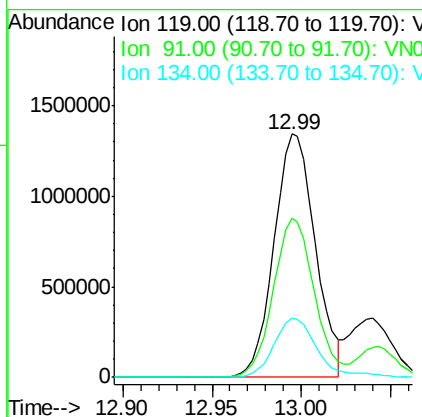
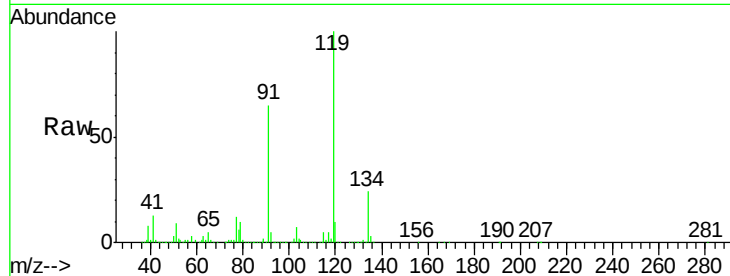
#83
tert-Butylbenzene
Concen: 53.704 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.0	96.2
134	25.6	12.8	38.4

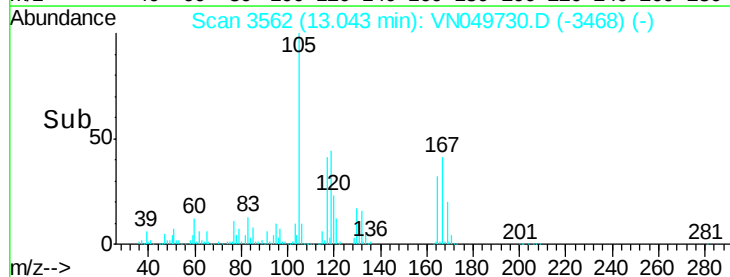
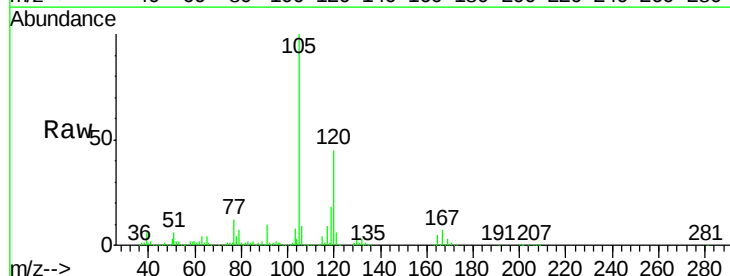
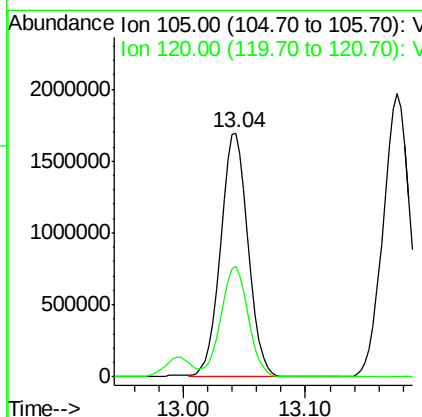
Manual Integrations
APPROVED

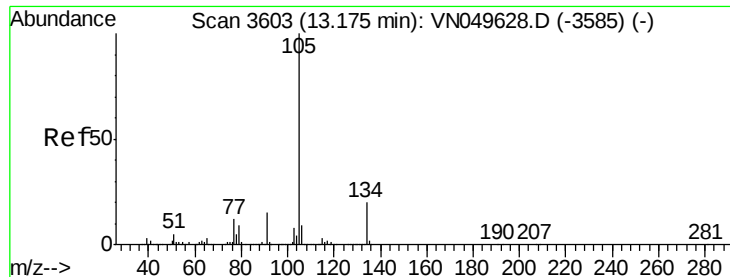
MMDadoda
7/9/2018 6:00:29 PM



#84
1,2,4-Trimethylbenzene
Concen: 55.718 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 57.186 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 3048156

Ion Ratio Lower Upper

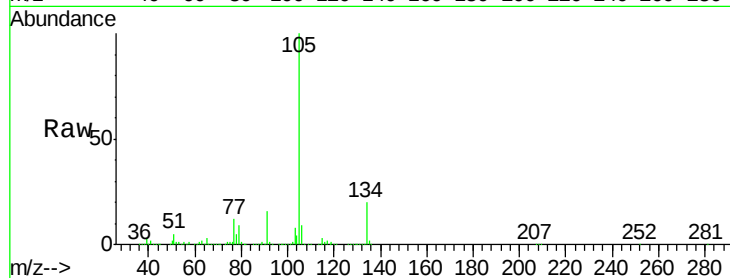
105 100

134 20.0 10.1 30.1

Manual Integrations
APPROVED

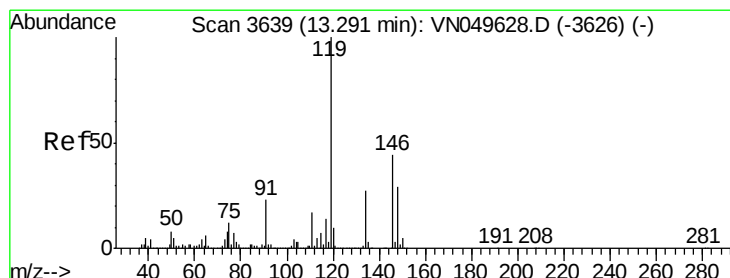
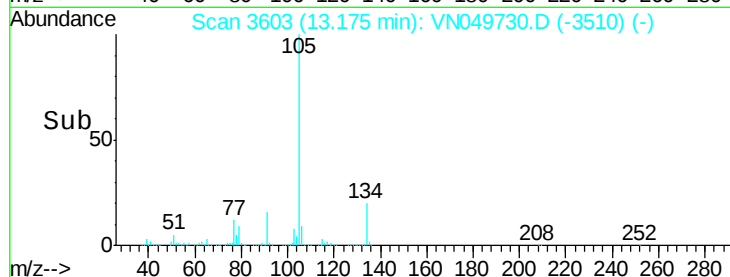
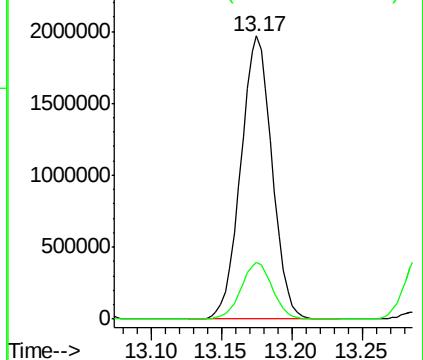
MMDadoda

7/9/2018 6:00:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.924 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049730.D

Acq: 6 Jul 2018 10:04

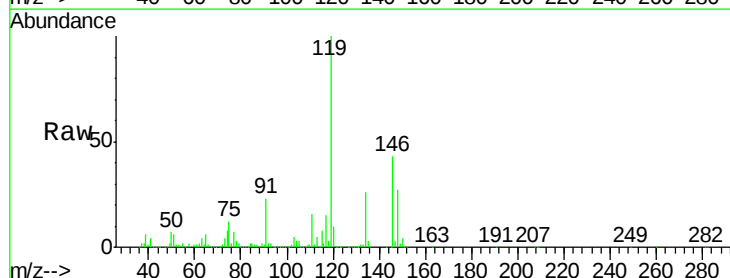
Tgt Ion:119 Resp: 2720395

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

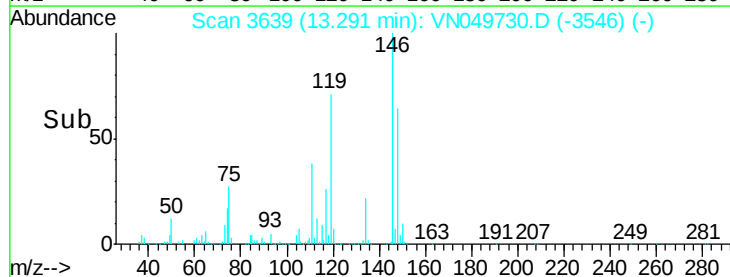
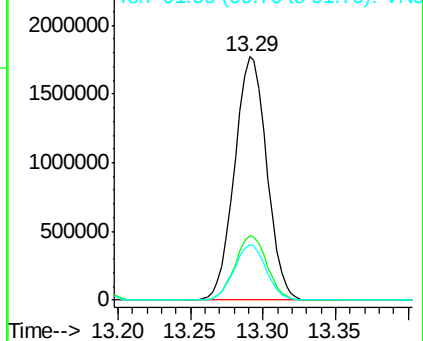
91 22.8 11.4 34.1

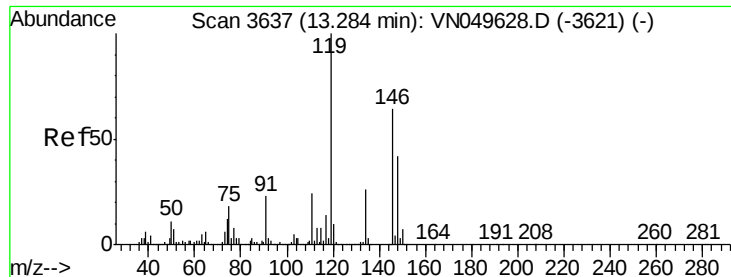


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





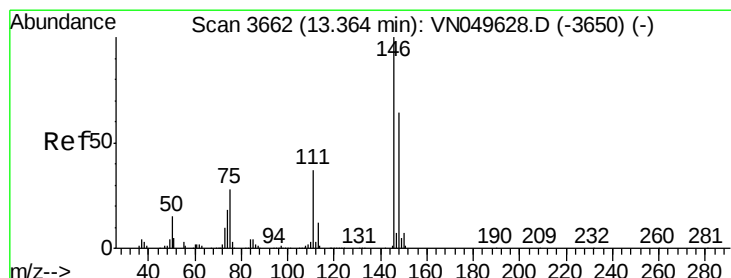
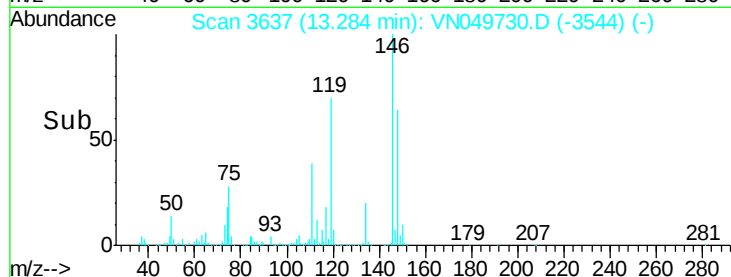
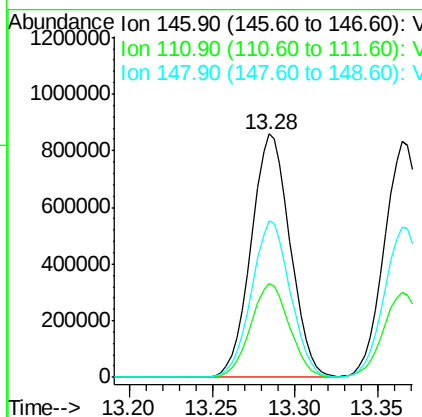
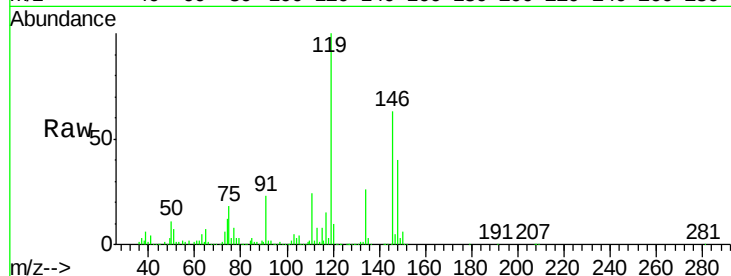
#87
 1,3-Dichlorobenzene
 Concen: 54.110 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	64.0	32.5	97.5

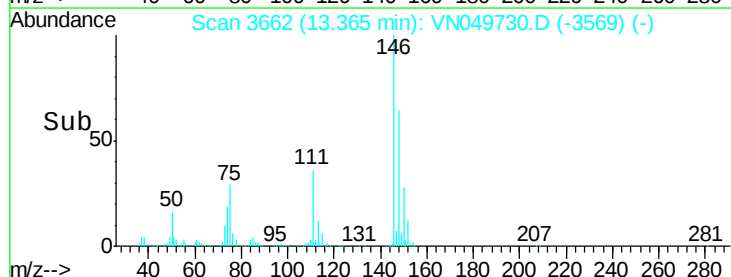
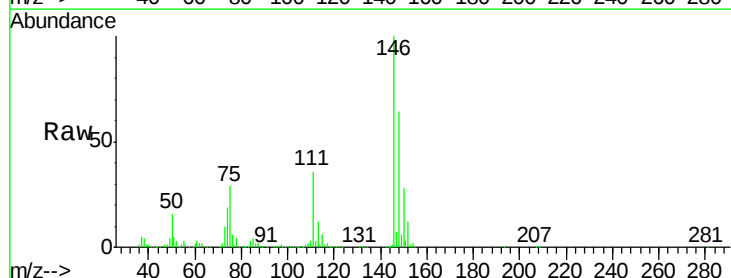
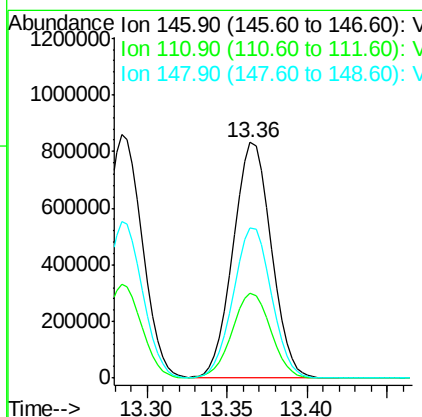
Manual Integrations
 APPROVED

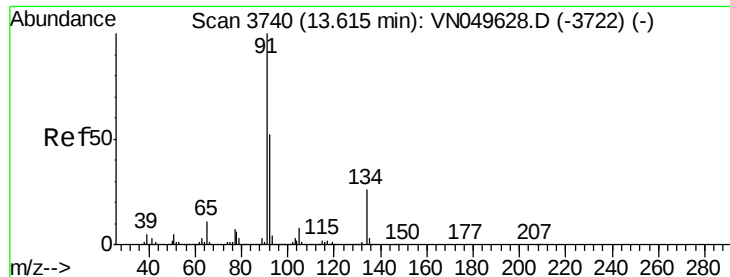
MMDadoda
 7/9/2018 6:00:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.128 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.5
148	63.8	32.1	96.3





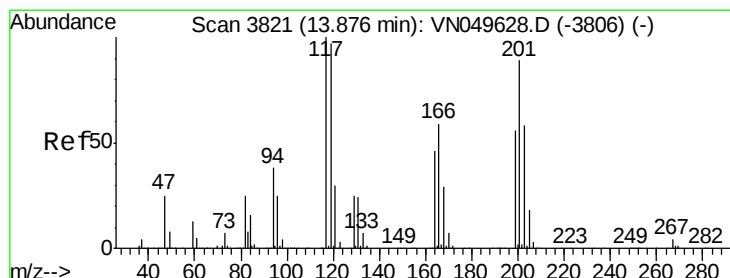
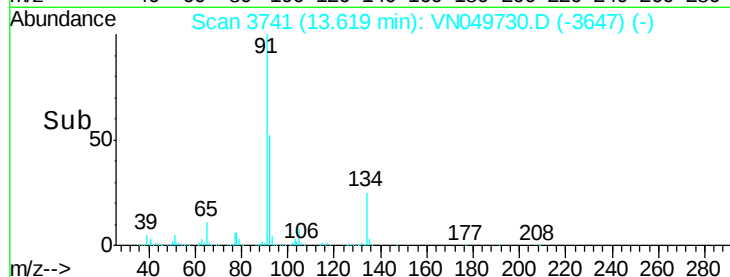
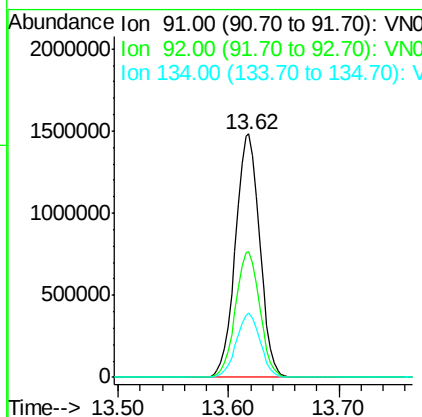
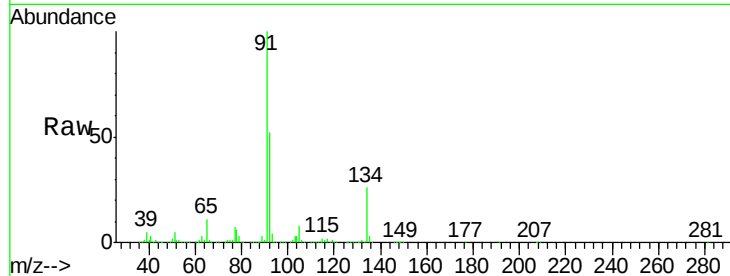
#89
n-Butylbenzene
Concen: 57.007 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.3
134	25.8	13.0	38.9

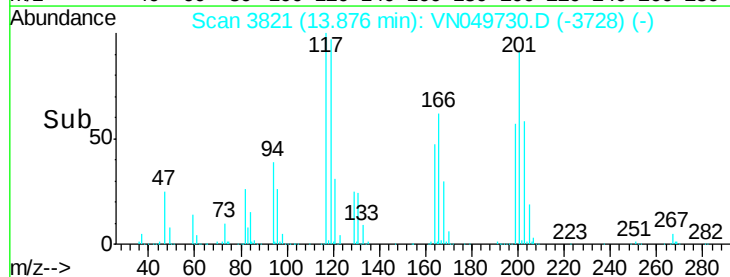
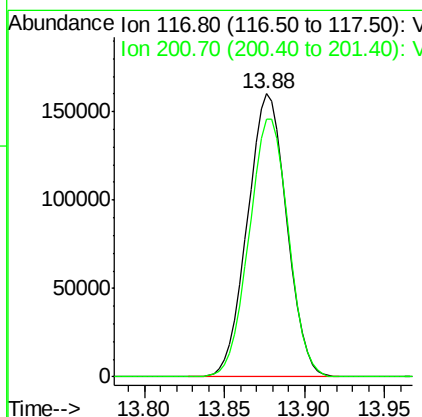
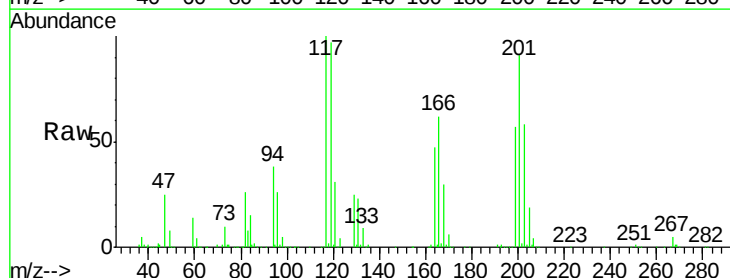
Manual Integrations
APPROVED

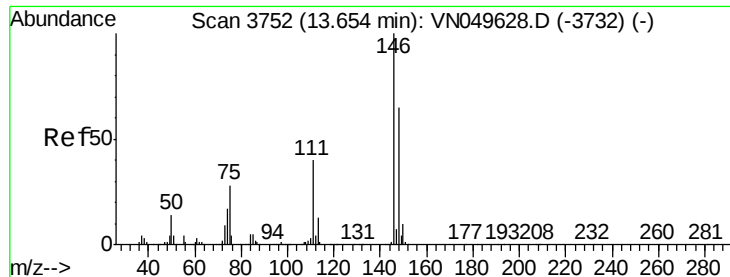
MMDadoda
7/9/2018 6:00:29 PM



#90
Hexachloroethane
Concen: 55.711 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.3	135.8





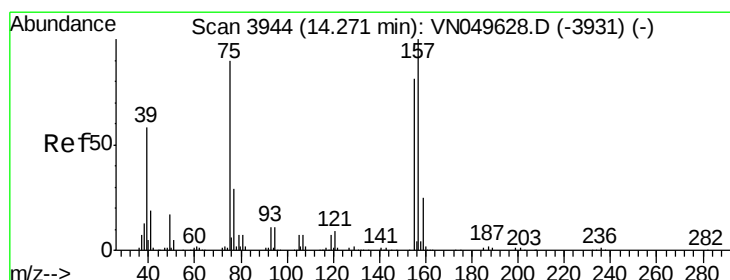
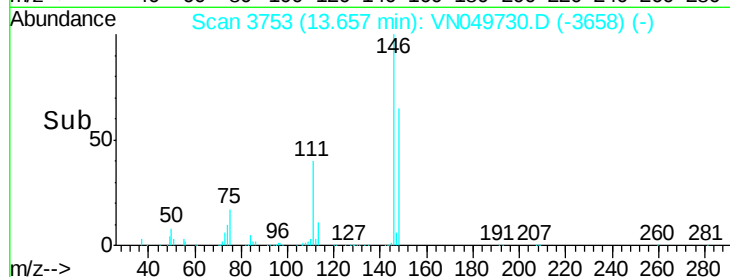
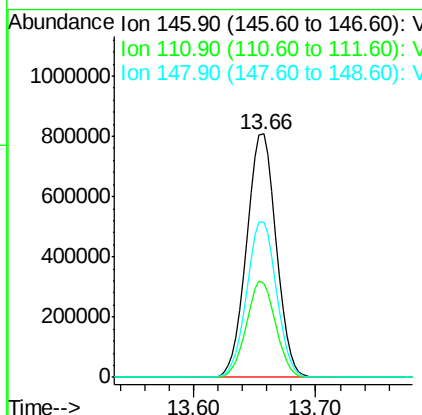
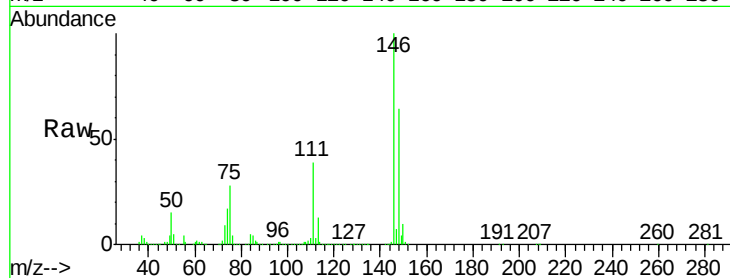
#91
 1,2-Dichlorobenzene
 Concen: 53.840 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.3	32.0	96.2

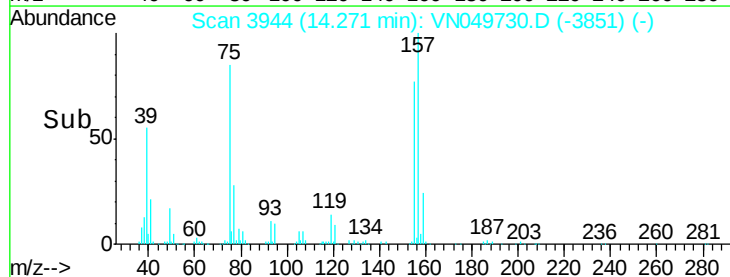
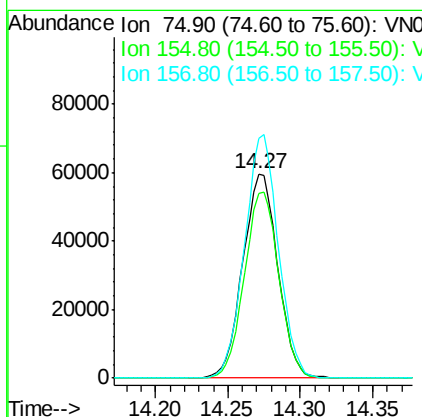
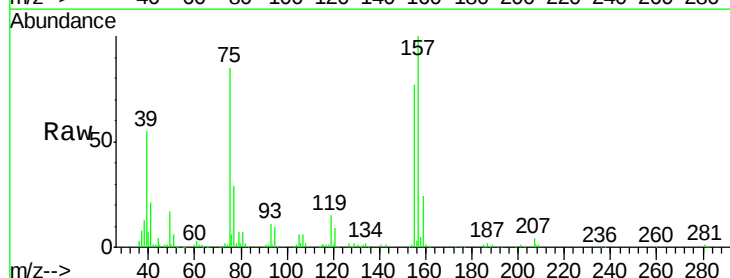
Manual Integrations
 APPROVED

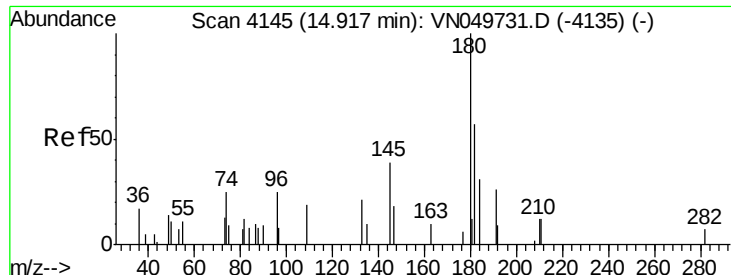
MMDadoda
 7/9/2018 6:00:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.048 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	45.7	137.1
157	115.2	56.9	170.7





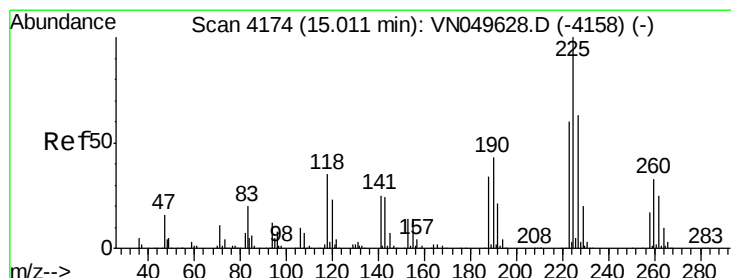
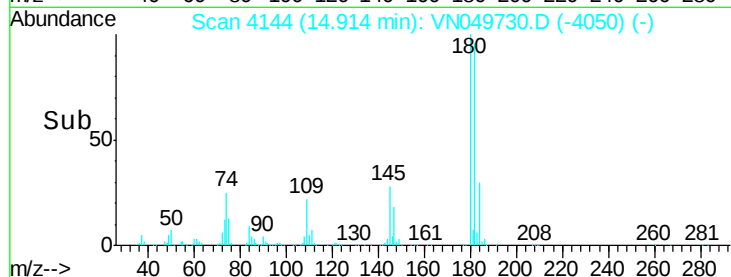
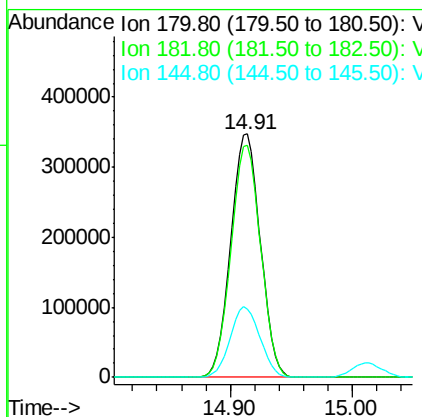
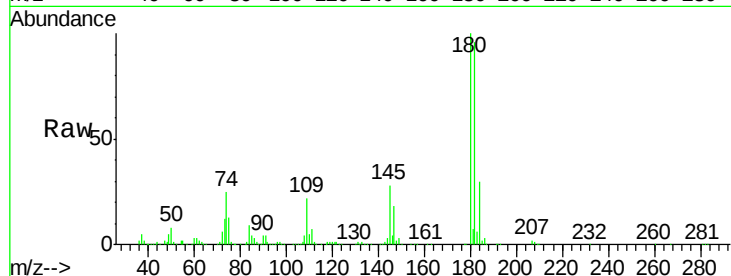
#93
 1,2,4-Trichlorobenzene
 Concen: 45.171 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.3	141.9	
145	29.3	14.4	43.0	

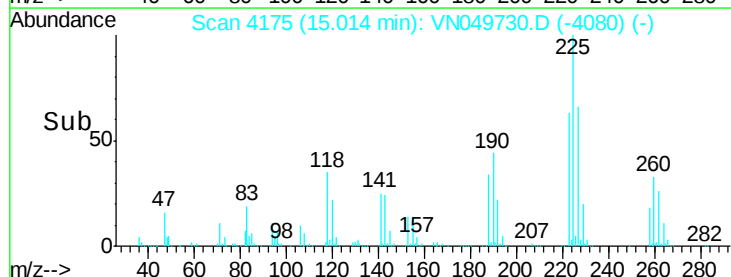
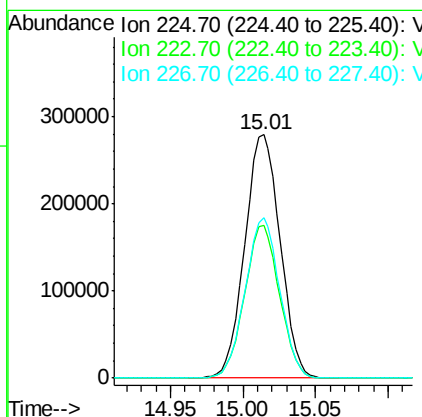
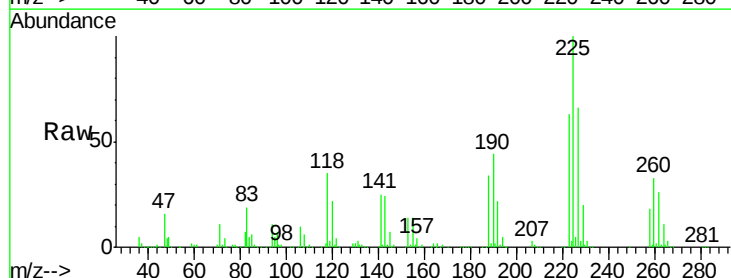
Manual Integrations
 APPROVED

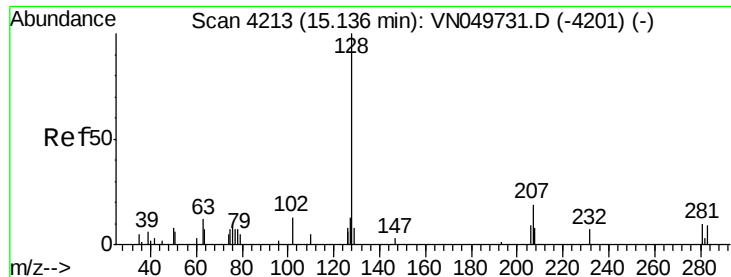
MMDadoda
 7/9/2018 6:00:29 PM



#94
 Hexachlorobutadiene
 Concen: 63.808 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049730.D
 Acq: 6 Jul 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.9	92.7	
227	64.3	31.8	95.4	





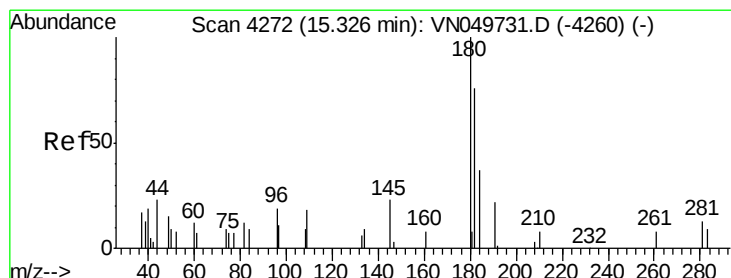
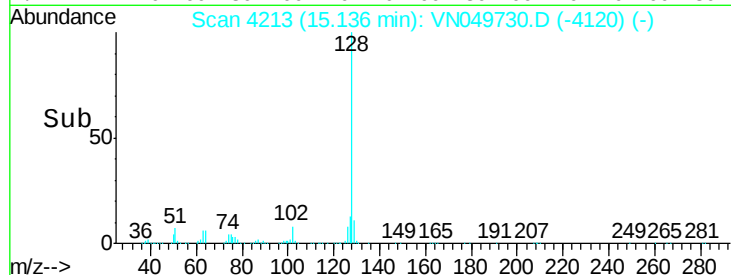
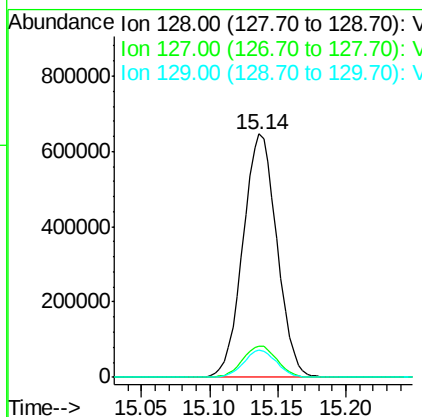
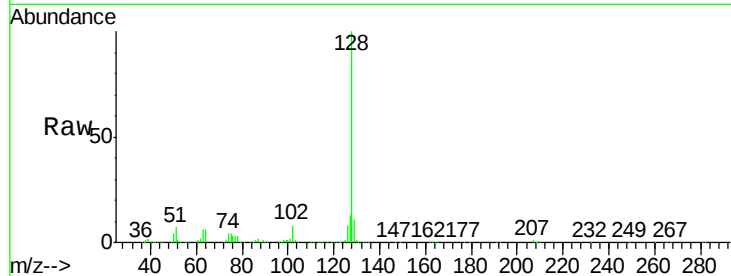
#95
Naphthalene
Concen: 39.745 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1116114
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.461 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049730.D
Acq: 6 Jul 2018 10:04

Tgt Ion:180 Resp: 586455
Ion Ratio Lower Upper
180 100
182 97.0 47.4 142.2
145 30.7 15.2 45.6

