

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049528.D
 Acq On : 25 Jun 2018 22:47
 Operator : MD\SY
 Sample : VN0625MBS01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Manual Integrations
 APPROVED

apatel
 6/26/2018 5:14:37 PM

Quant Time: Jun 26 03:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1427350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2133484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1926359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	910447	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	938552	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.59	113	841285	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.09	98	3158711	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	1013250	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	263608	16.05	ug/l	99
3) Chloromethane	2.06	50	347163	16.36	ug/l	99
4) Vinyl Chloride	2.18	62	380672	16.88	ug/l	99
5) Bromomethane	2.57	94	199654	16.85	ug/l	98
6) Chloroethane	2.71	64	237848	17.69	ug/l	98
7) Trichlorofluoromethane	3.02	101	530211	18.85	ug/l	98
8) Diethyl Ether	3.41	74	181952	18.53	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	318491	17.85	ug/l	92
10) Methyl Iodide	3.95	142	365323	19.67	ug/l	92
11) Tert butyl alcohol	4.80	59	103055	92.75	ug/l	98
12) 1,1-Dichloroethene	3.73	96	287057	17.54	ug/l	92
13) Acrolein	3.61	56	132151	113.41	ug/l	99
14) Allyl chloride	4.32	41	471393	18.24	ug/l	90
15) Acrylonitrile	5.00	53	531211	95.61	ug/l	96
16) Acetone	3.82	43	380696	82.82	ug/l	93
17) Carbon Disulfide	4.05	76	824502	16.07	ug/l	99
18) Methyl Acetate	4.33	43	307523	21.94	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	791253	18.96	ug/l	99
20) Methylene Chloride	4.55	84	350296	18.25	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	316942	18.29	ug/l	87
22) Diisopropyl ether	5.96	45	1022020	19.81	ug/l	99
23) Vinyl Acetate	5.90	43	3108791	92.41	ug/l	96
24) 1,1-Dichloroethane	5.85	63	620140	18.78	ug/l	98
25) 2-Butanone	6.84	43	548226	88.82	ug/l	97
26) 2,2-Dichloropropane	6.83	77	459047	17.21	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	358289	18.60	ug/l	92
28) Bromochloromethane	7.20	49	298215	20.37	ug/l	84
29) Tetrahydrofuran	7.22	42	370652	93.29	ug/l	95
30) Chloroform	7.37	83	627041	19.08	ug/l	98
31) Cyclohexane	7.66	56	512588	18.19	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	532475	18.99	ug/l	97
36) 1,1-Dichloropropene	7.80	75	459068	18.77	ug/l	98
37) Ethyl Acetate	6.93	43	257530	19.37	ug/l	97
38) Carbon Tetrachloride	7.77	117	470549	18.59	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049528.D
 Acq On : 25 Jun 2018 22:47
 Operator : MD\SY
 Sample : VN0625MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Manual Integrations
 APPROVED

apatel
 6/26/2018 5:14:37 PM

Quant Time: Jun 26 03:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	467239	17.80	ug/l	96
40) Benzene	8.04	78	1403953	18.73	ug/l	99
41) Methacrylonitrile	7.18	41	126081m	17.54	ug/l	
42) 1,2-Dichloroethane	8.13	62	442440	19.10	ug/l	97
43) Isopropyl Acetate	8.17	43	540641	21.29	ug/l	100
44) Trichloroethene	8.84	130	381100	19.25	ug/l	92
45) 1,2-Dichloropropane	9.12	63	369926	18.85	ug/l	99
46) Dibromomethane	9.21	93	221656	19.48	ug/l	91
47) Bromodichloromethane	9.40	83	476842	19.07	ug/l	98
48) Methyl methacrylate	9.20	41	235194	19.66	ug/l	89
49) 1,4-Dioxane	9.20	88	61183	370.64	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1279238	96.10	ug/l	95
52) Toluene	10.16	92	859315	19.53	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	434697	18.17	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	523210	18.52	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	312867	19.07	ug/l	97
56) Ethyl methacrylate	10.43	69	345005	18.23	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	520592	19.16	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	486341	82.10	ug/l	93
59) 2-Hexanone	10.75	43	786472	91.64	ug/l	94
60) Dibromochloromethane	10.90	129	342842	18.73	ug/l	100
61) 1,2-Dibromoethane	11.01	107	295194	19.36	ug/l	99
64) Tetrachloroethene	10.63	164	415899	21.07	ug/l	96
65) Chlorobenzene	11.44	112	920222	18.54	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	352086	18.85	ug/l	100
67) Ethyl Benzene	11.51	91	1559899	18.95	ug/l	97
68) m/p-Xylenes	11.62	106	1192794	38.61	ug/l	97
69) o-Xylene	11.95	106	574045	19.29	ug/l	96
70) Styrene	11.97	104	901014	19.20	ug/l	98
71) Bromoform	12.13	173	229721	19.00	ug/l #	100
73) Isopropylbenzene	12.25	105	1512934	18.93	ug/l	97
74) N-amyl acetate	12.07	43	351015	17.93	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	332591	18.83	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	318430m	20.50	ug/l	
77) Bromobenzene	12.53	156	464407	21.99	ug/l	73
78) n-propylbenzene	12.59	91	1701444	19.38	ug/l	98
79) 2-Chlorotoluene	12.68	91	1050988	18.90	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1250745	19.91	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	86691	17.64	ug/l	93
82) 4-Chlorotoluene	12.78	91	1027501	19.15	ug/l	97
83) tert-Butylbenzene	12.99	119	1042737	18.73	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1235773	19.80	ug/l	99
85) sec-Butylbenzene	13.17	105	1384936	18.69	ug/l	99
86) p-Isopropyltoluene	13.29	119	1167746	18.86	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	642733	18.50	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	616543	17.91	ug/l	100
89) n-Butylbenzene	13.62	91	832371	17.22	ug/l	98
90) Hexachloroethane	13.88	117	244097	19.81	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	629115	18.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48074	17.27	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
Data File : VN049528.D
Acq On : 25 Jun 2018 22:47
Operator : MD\SY
Sample : VN0625MBS01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

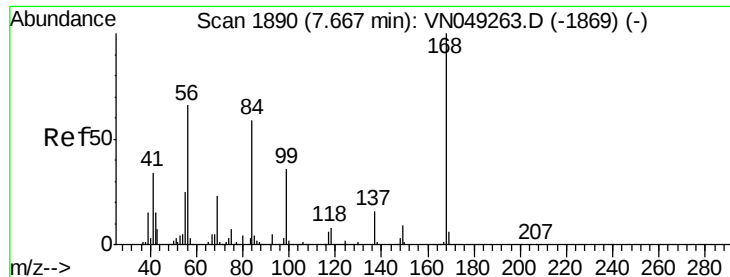
Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM

Quant Time: Jun 26 03:24:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	193318	15.95	uq/l	97
94) Hexachlorobutadiene	15.01	225	201375	18.50	uq/l	98
95) Naphthalene	15.14	128	439347	18.67	uq/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	218624	16.79	uq/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBS01

Tot Ion:168 Resp: 1427350

Ion Ratio Lower Upper

168 100

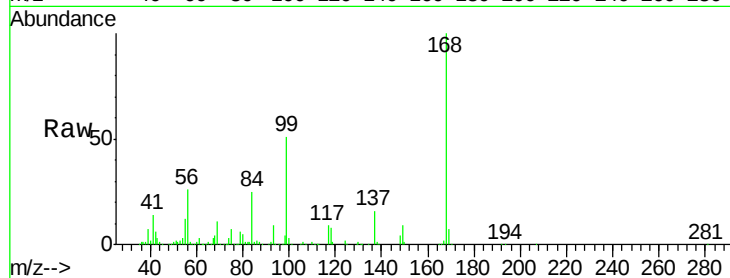
99 50.9 45.8 68.6

Manual Integrations

APPROVED

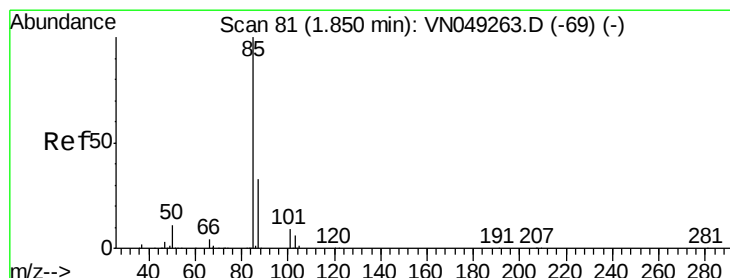
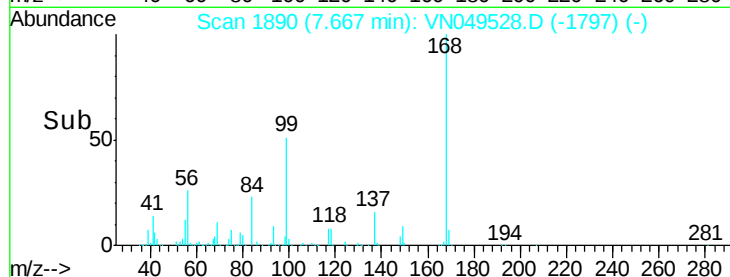
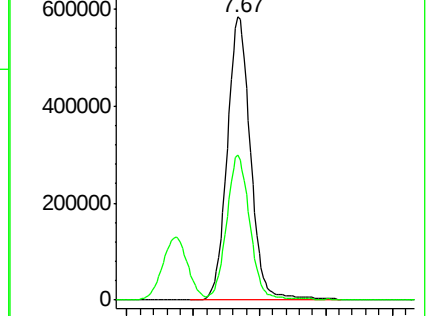
apatel

6/26/2018 5:14:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.05 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049528.D

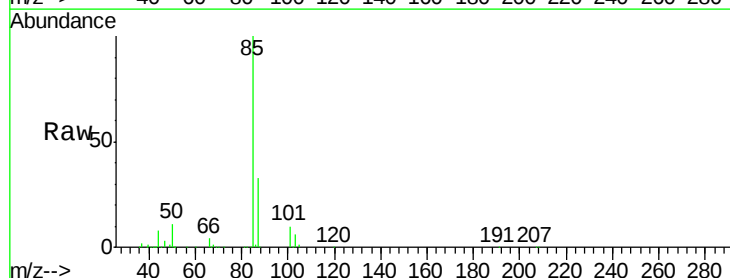
Acq: 25 Jun 2018 22:47

Tgt Ion: 85 Resp: 263608

Ion Ratio Lower Upper

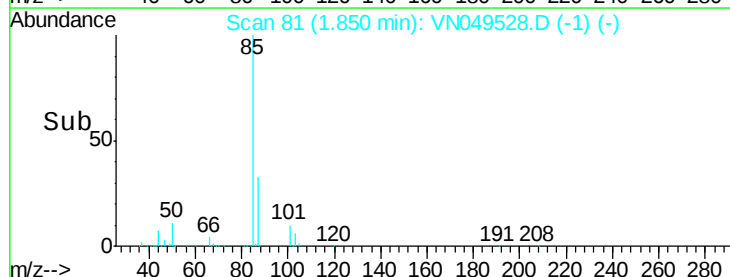
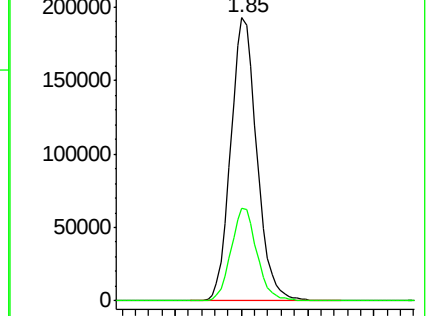
85 100

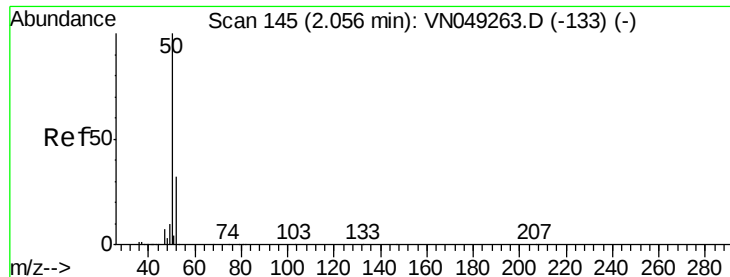
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.36 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampled :

VN0625MBS01

Tot Ion: 50 Resp: 347163

Ion Ratio Lower Upper

50 100

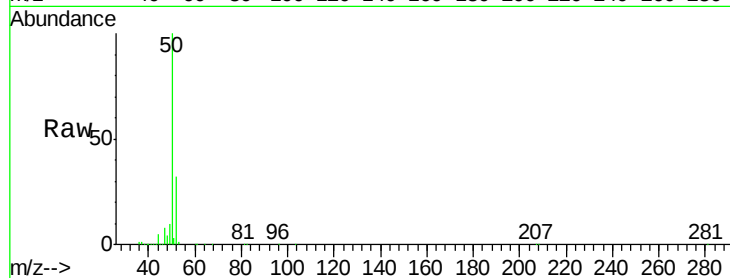
52 32.2 25.2 37.8

Manual Integrations

APPROVED

apatel

6/26/2018 5:14:37 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

250000

200000

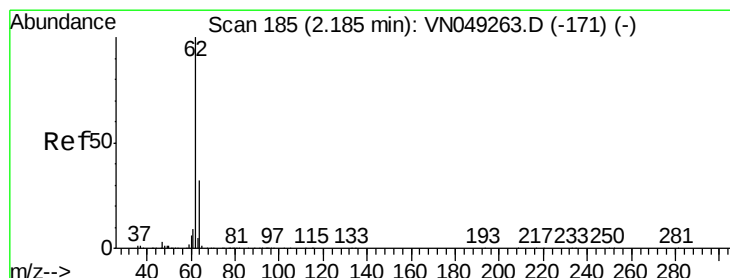
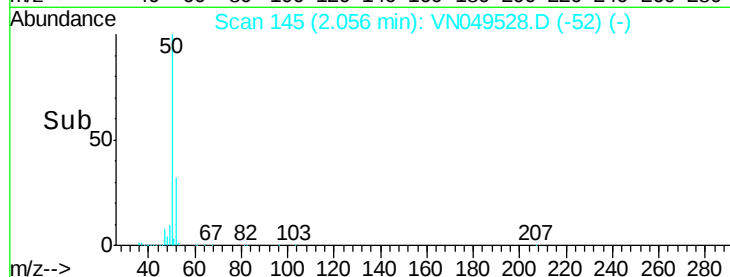
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 16.88 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049528.D

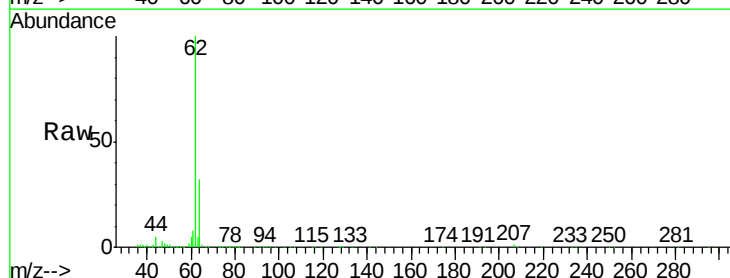
Acq: 25 Jun 2018 22:47

Tgt Ion: 62 Resp: 380672

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

250000

200000

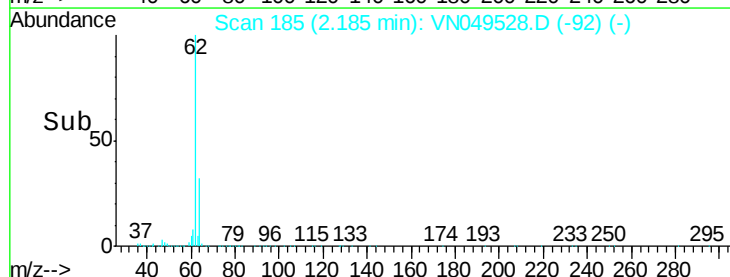
150000

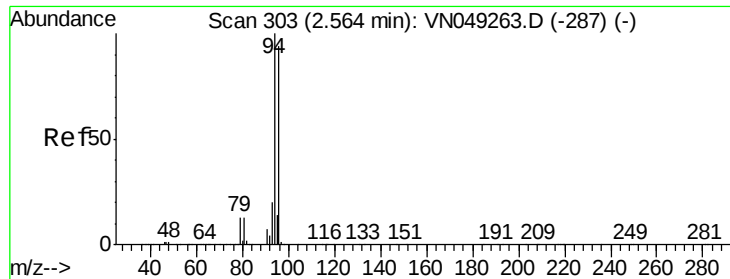
100000

50000

0

Time-->





#5

Bromomethane

Concen: 16.85 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBS01

Tot Ion: 94 Resp: 199654

Ion Ratio Lower Upper

94 100

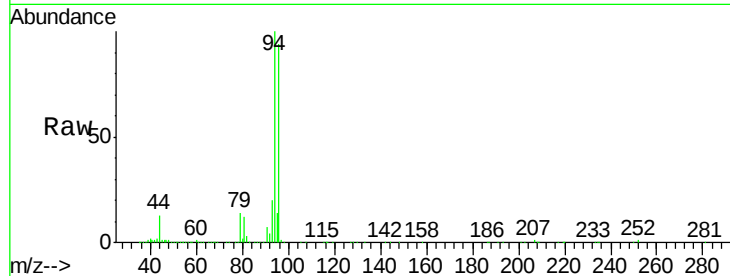
96 93.3 72.8 109.2

Manual Integrations

APPROVED

apatel

6/26/2018 5:14:37 PM

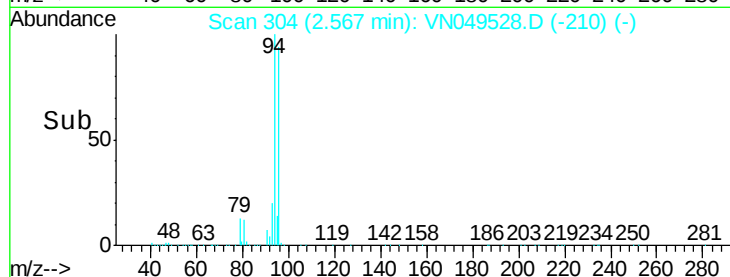


Abundance Ion 93.90 (93.60 to 94.60): VN049528.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049528.D (-210) (-)

2.57

Time-->

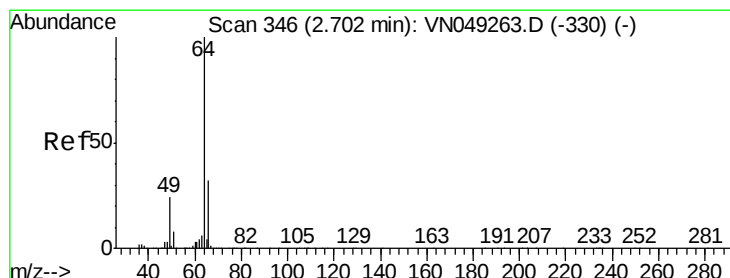


Abundance Ion 93.90 (93.60 to 94.60): VN049528.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049528.D (-210) (-)

2.57

Time-->



#6

Chloroethane

Concen: 17.69 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049528.D

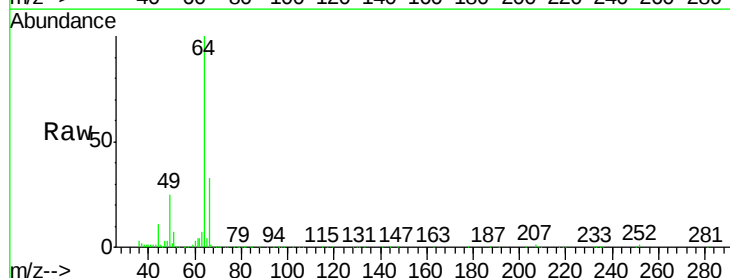
Acq: 25 Jun 2018 22:47

Tgt Ion: 64 Resp: 237848

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4

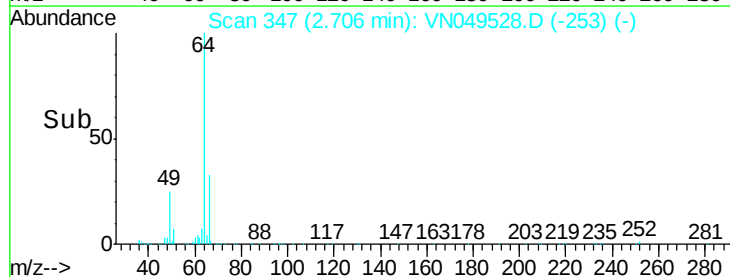


Abundance Ion 63.90 (63.60 to 64.60): VN049528.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049528.D (-253) (-)

2.71

Time-->

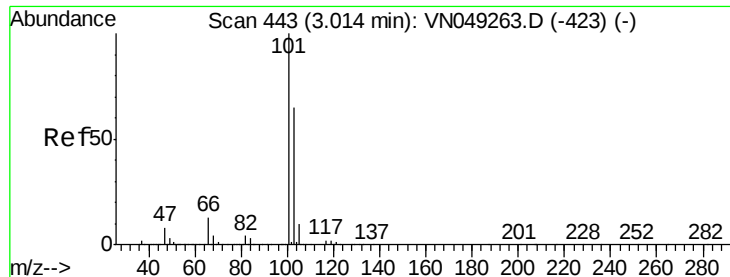


Abundance Ion 63.90 (63.60 to 64.60): VN049528.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049528.D (-253) (-)

2.71

Time-->



#7

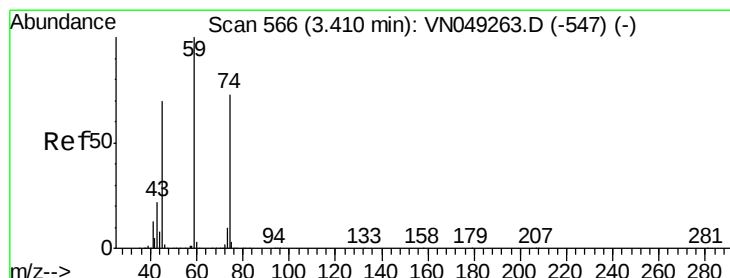
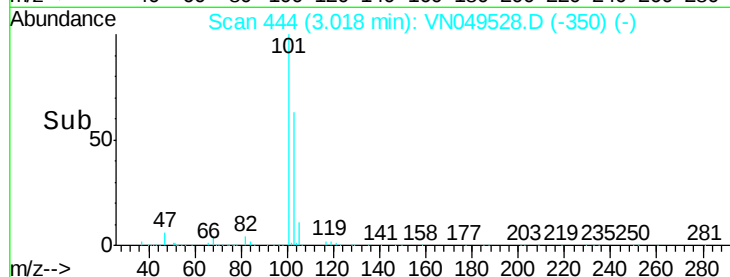
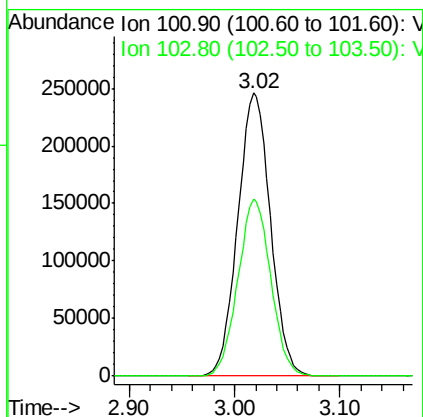
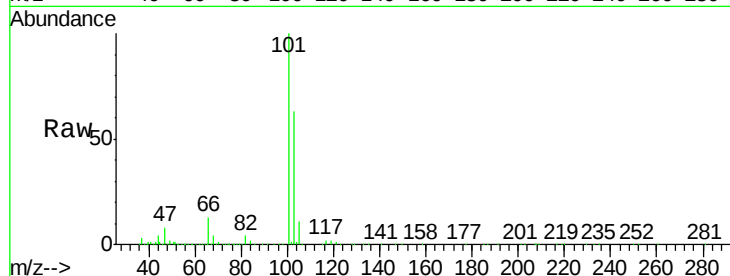
Trichlorofluoromethane
Concen: 18.85 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampled :
VN0625MBS01

Tot Ion	Ion	Ratio	Lower	Upper
530211	101	100		
	103	62.7	51.7	77.5

Manual Integrations
APPROVED

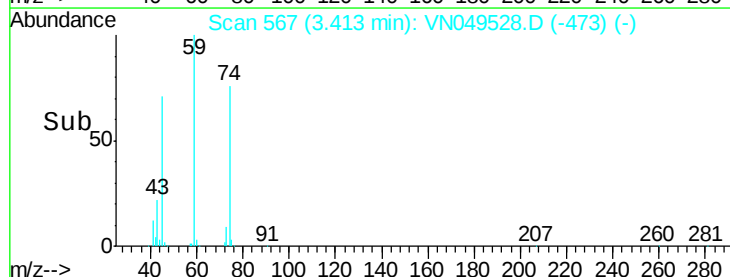
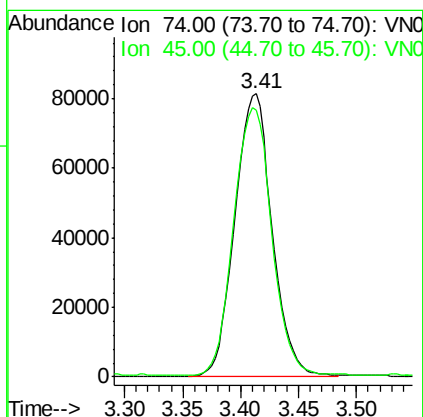
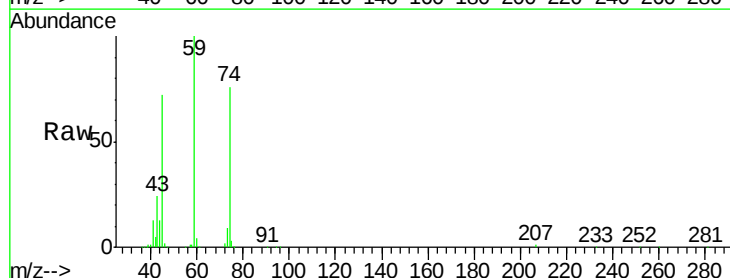
apatel
6/26/2018 5:14:37 PM

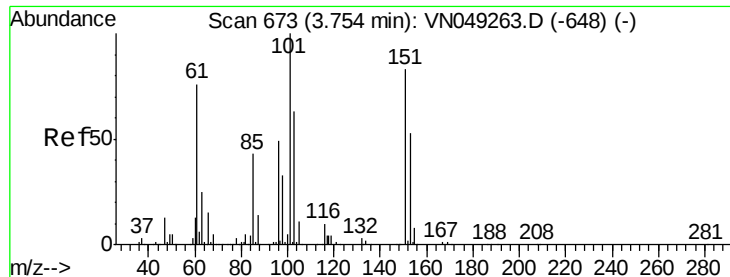


#8

Diethyl Ether
Concen: 18.53 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ion	Ratio	Lower	Upper
181952	74	100		
	45	96.7	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.85 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

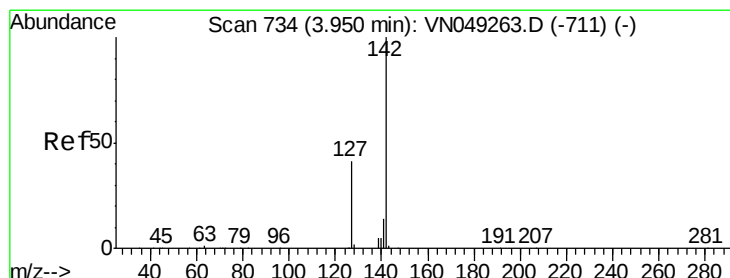
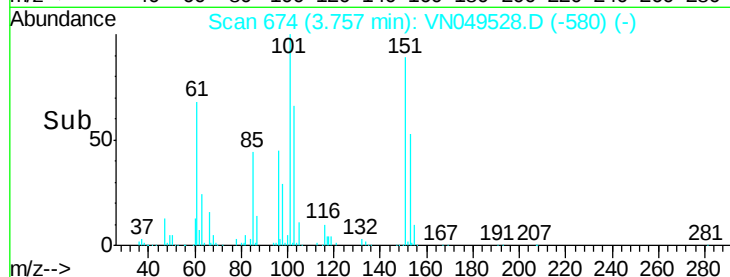
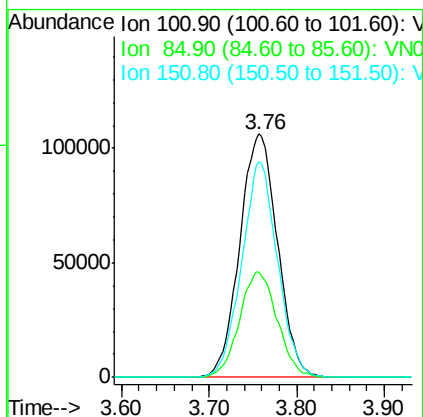
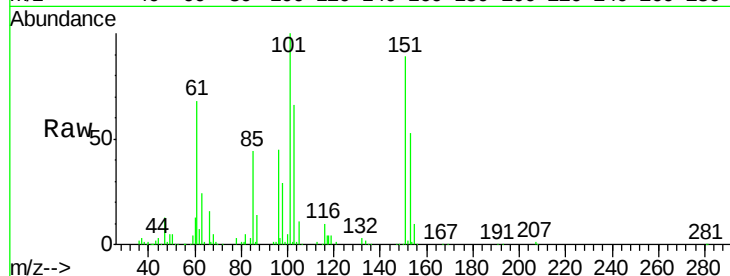
ClientSampled :

VN0625MBS01

Tot Ion:	101	Resp:	318491
Ion Ratio	Lower	Upper	
101	100		
85	43.3	37.6	56.4
151	83.9	61.1	91.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#10

Methyl Iodide

Concen: 19.67 ug/l

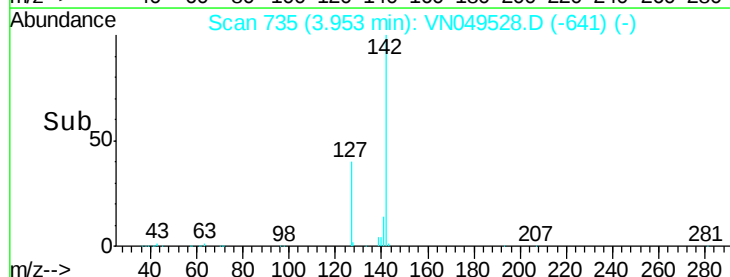
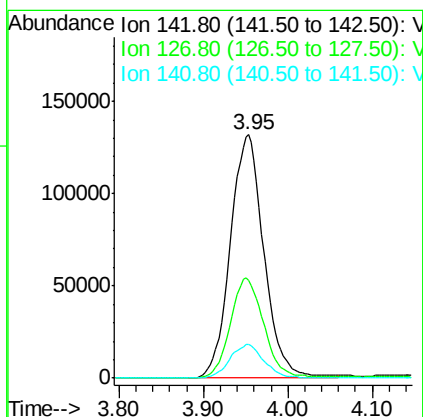
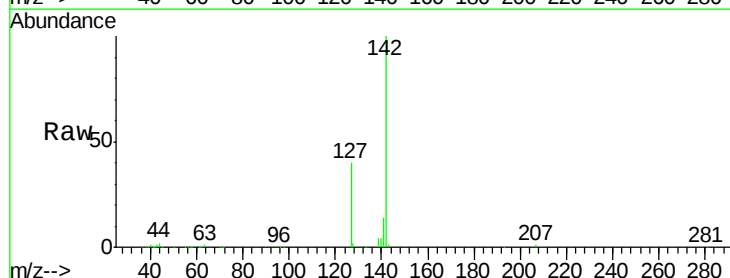
RT: 3.95 min Scan# 735

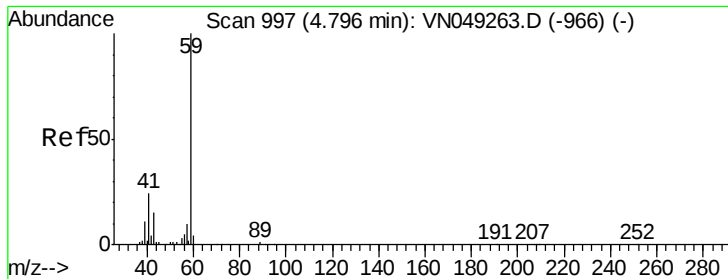
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion:	142	Resp:	365323
Ion Ratio	Lower	Upper	
142	100		
127	41.3	38.2	57.4
141	14.0	11.9	17.9





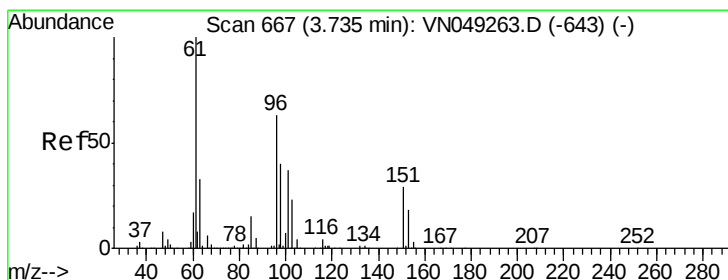
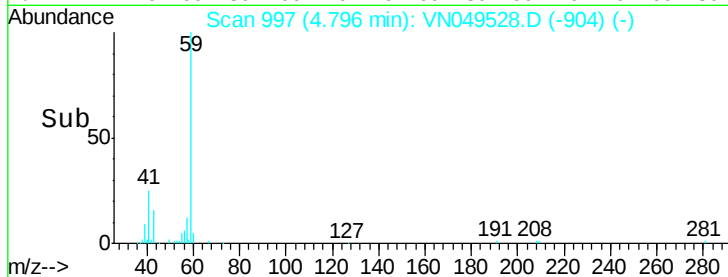
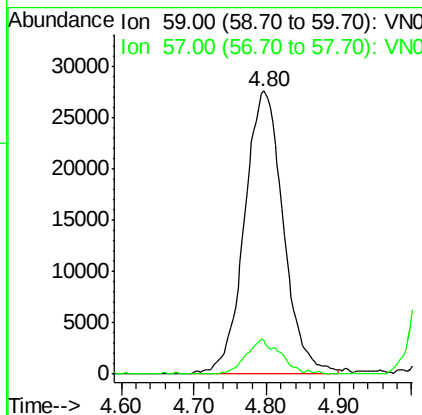
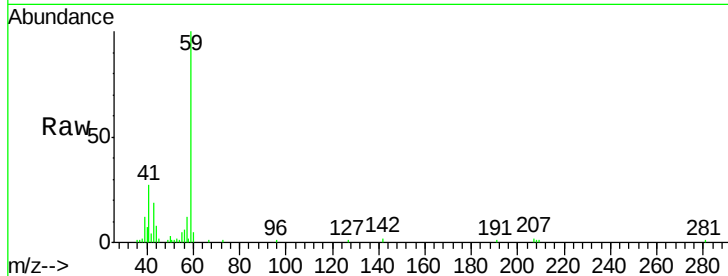
#11
Tert butyl alcohol
Concen: 92.75 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	59	Resp	103055
Ion Ratio	100	Lower	Upper
57	10.6	9.0	13.6

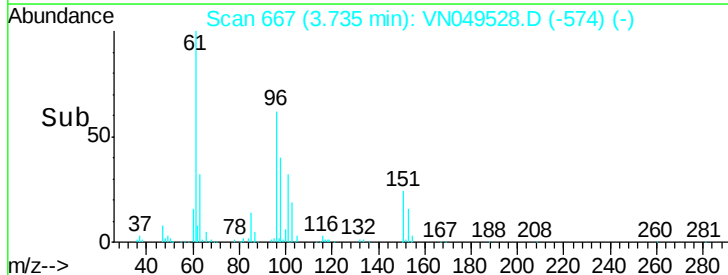
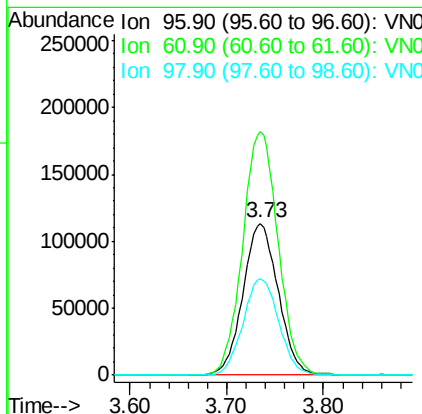
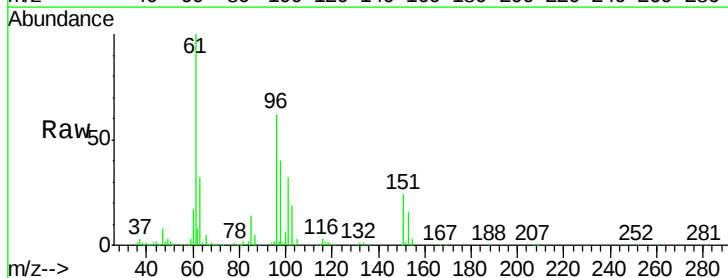
Manual Integrations
APPROVED

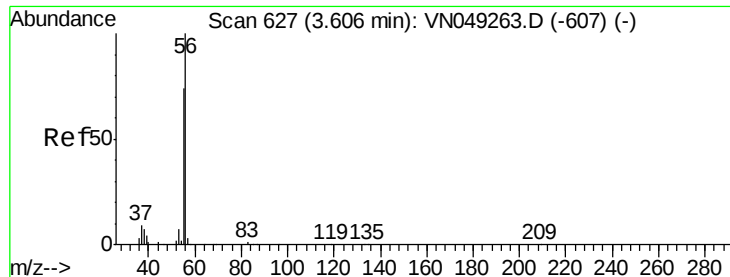
apatel
6/26/2018 5:14:37 PM



#12
1,1-Dichloroethene
Concen: 17.54 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	96	Resp	287057
Ion Ratio	100	Lower	Upper
61	160.8	141.0	211.4
98	63.5	50.4	75.6





#13

Acrolein

Concen: 113.41 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBS01

Tot Ion: 56 Resp: 132151

Ion Ratio Lower Upper

56 100

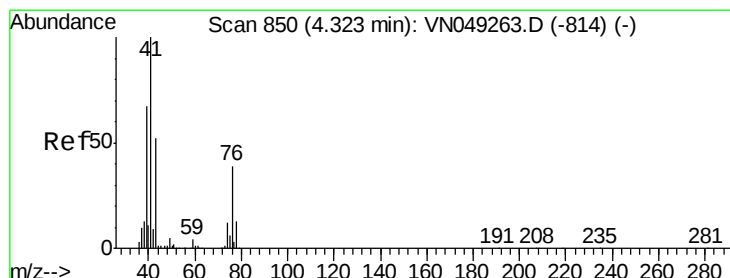
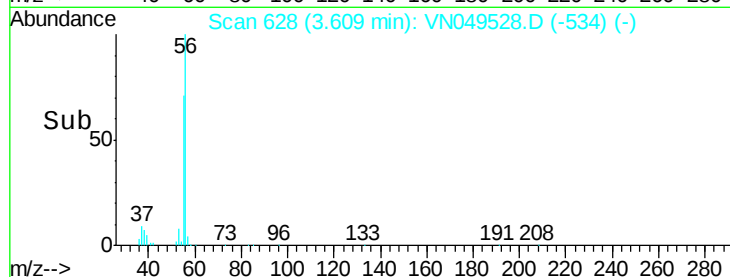
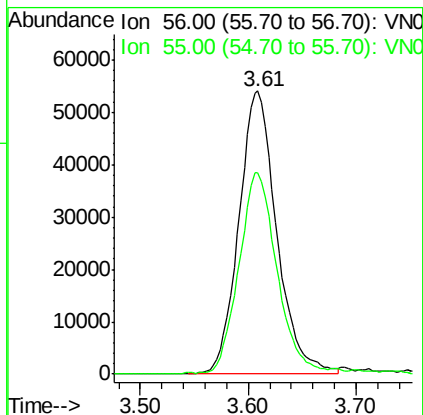
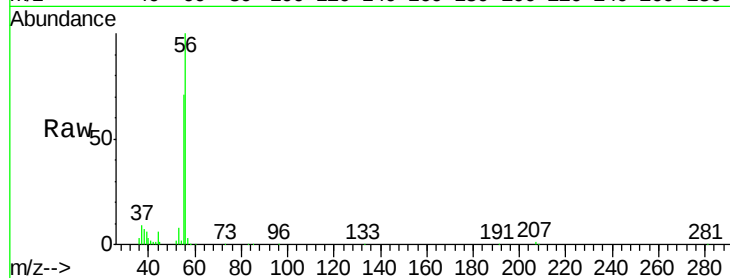
55 70.4 57.1 85.7

Manual Integrations

APPROVED

apatel

6/26/2018 5:14:37 PM



#14

Allyl chloride

Concen: 18.24 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

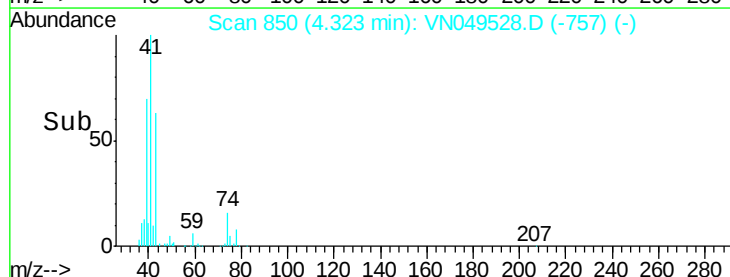
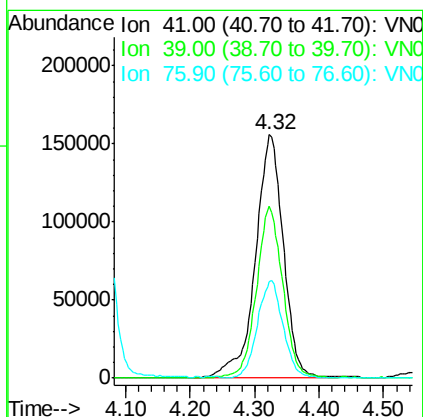
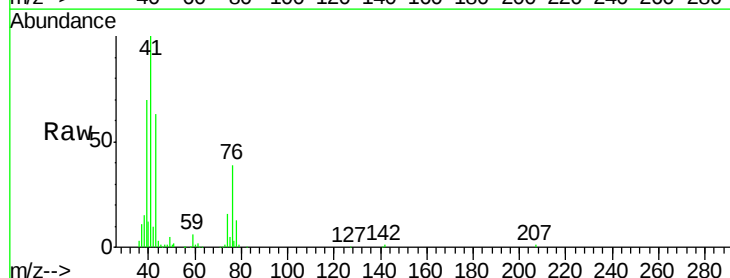
Tgt Ion: 41 Resp: 471393

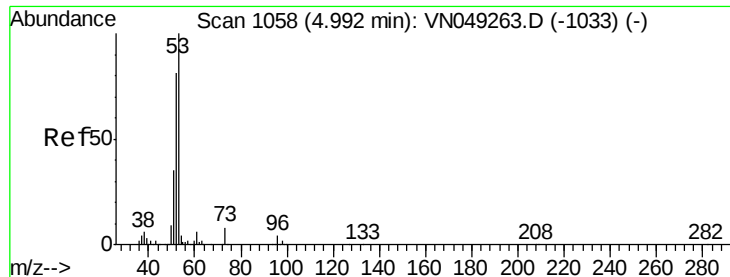
Ion Ratio Lower Upper

41 100

39 66.4 62.5 93.7

76 36.1 27.1 40.7





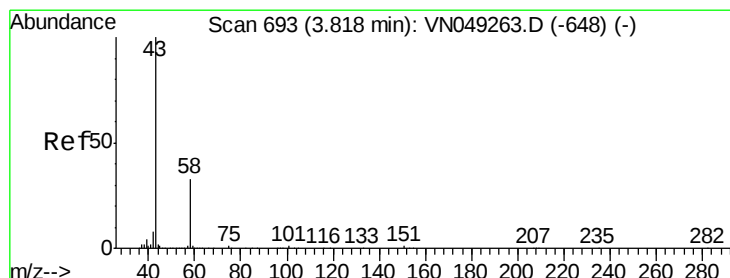
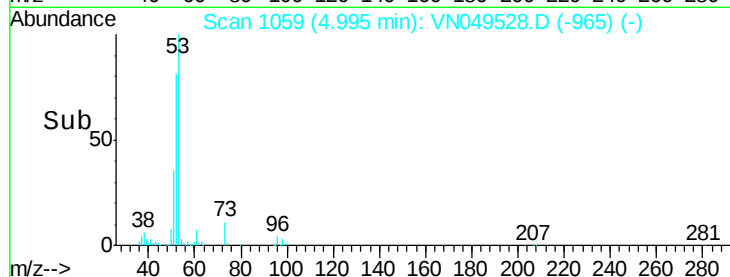
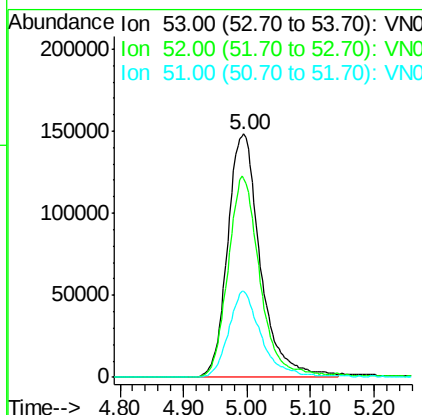
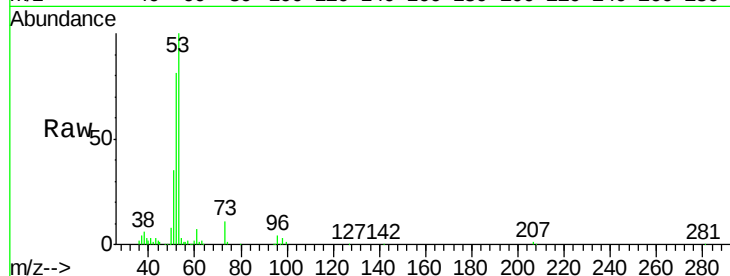
#15
 Acrylonitrile
 Concen: 95.61 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.4	66.6	100.0
51	34.9	29.8	44.8

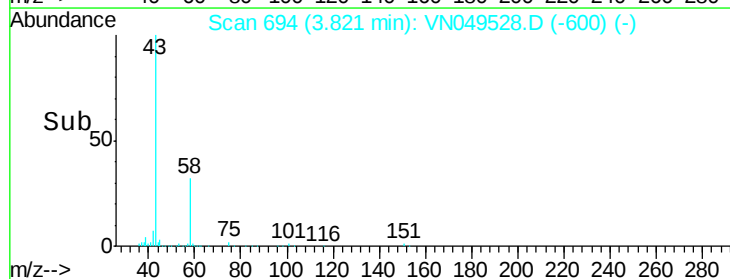
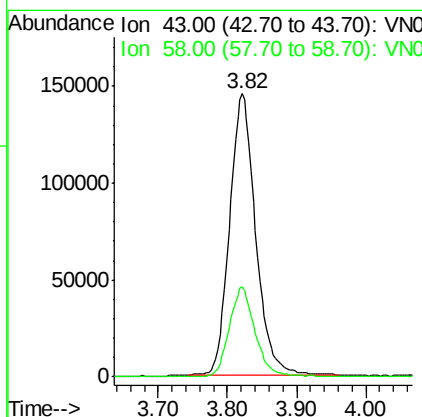
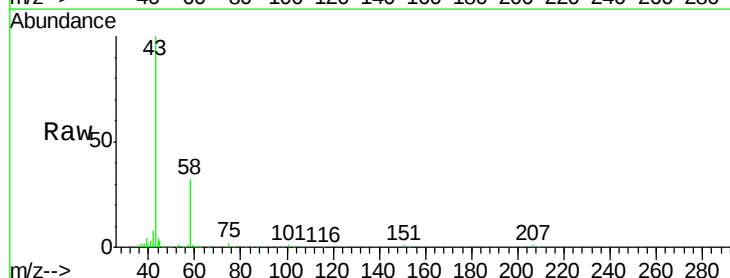
Manual Integrations
 APPROVED

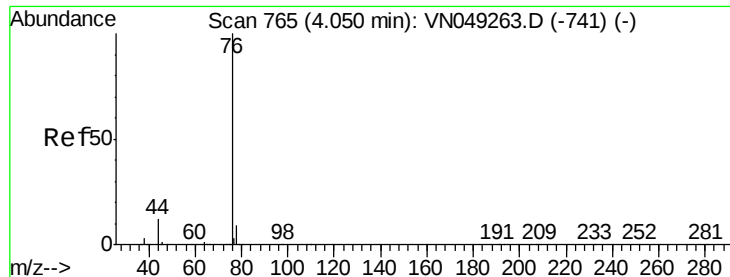
apatel
 6/26/2018 5:14:37 PM



#16
 Acetone
 Concen: 82.82 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	22.4	33.6





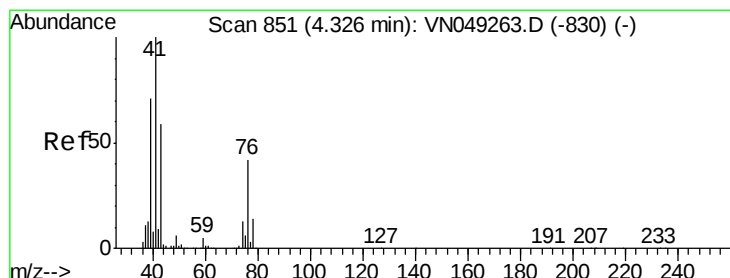
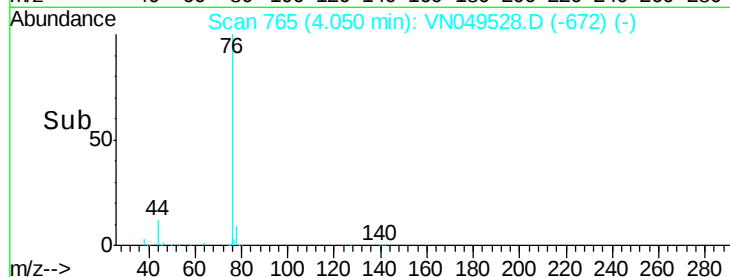
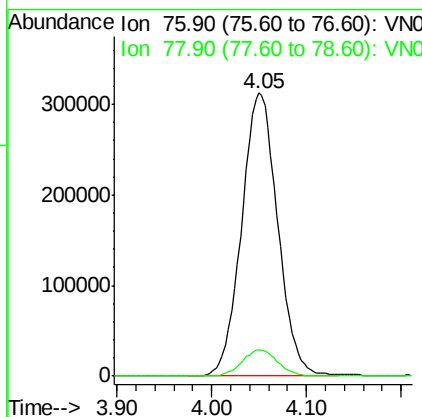
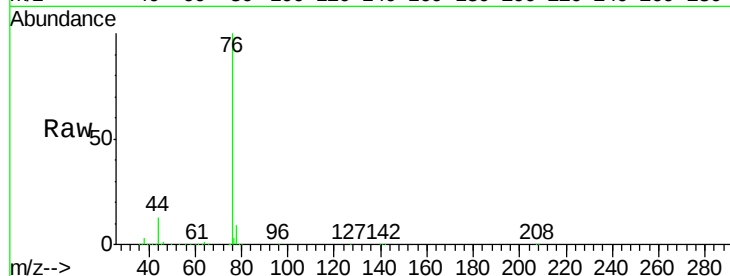
#17
Carbon Disulfide
Concen: 16.07 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

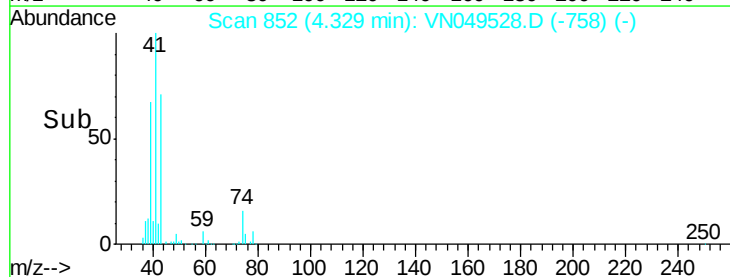
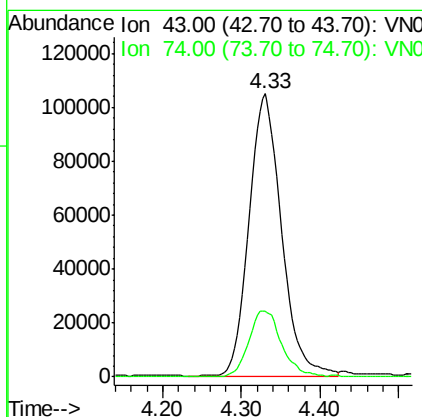
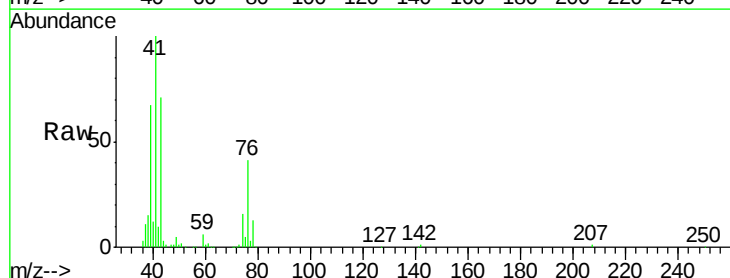
Manual Integrations
APPROVED

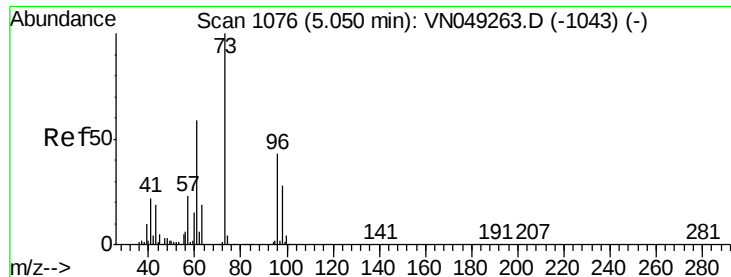
apatel
6/26/2018 5:14:37 PM



#18
Methyl Acetate
Concen: 21.94 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	17.4	26.0





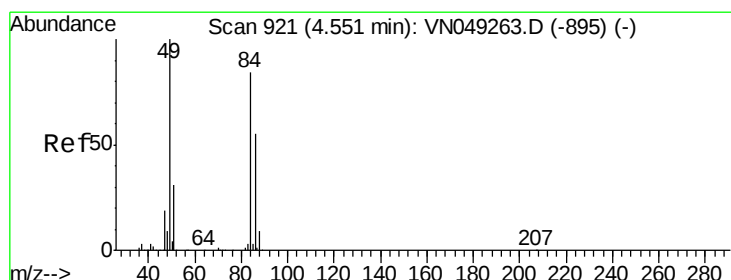
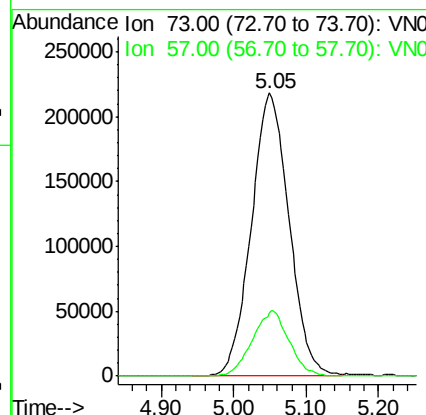
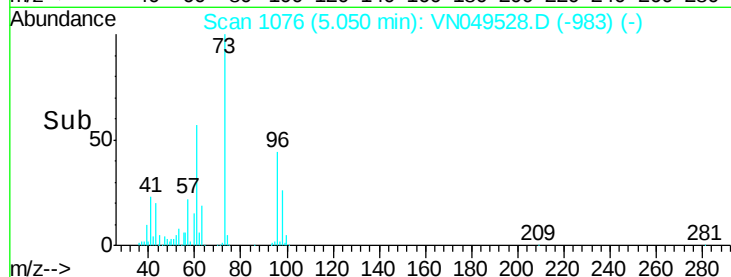
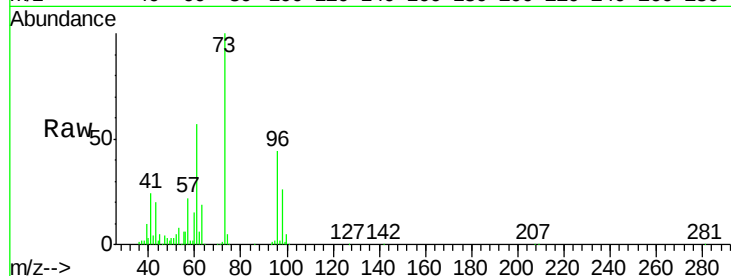
#19
Methvl tert-butvl Ether
Concen: 18.96 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.2	27.4

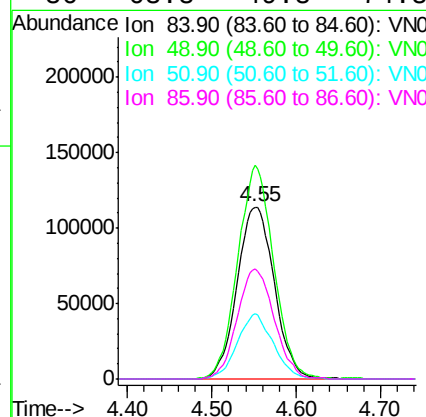
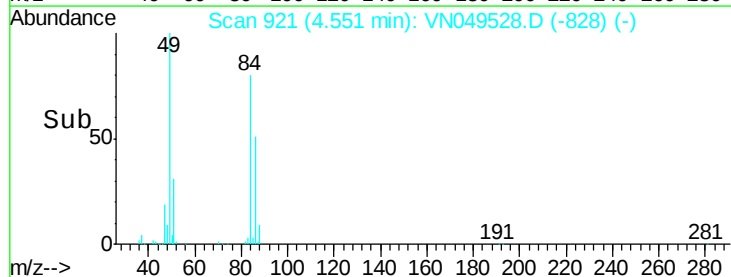
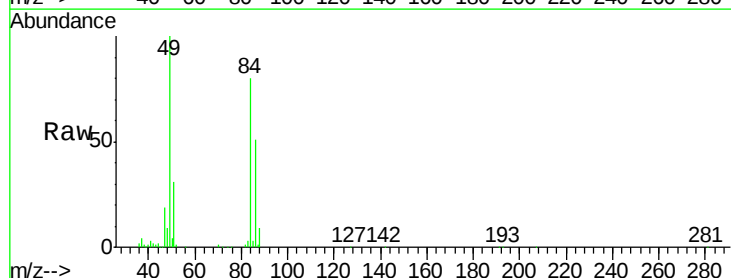
Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#20
Methylene Chloride
Concen: 18.25 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	106.9	160.3
51	38.0	32.7	49.1
86	63.8	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.29 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

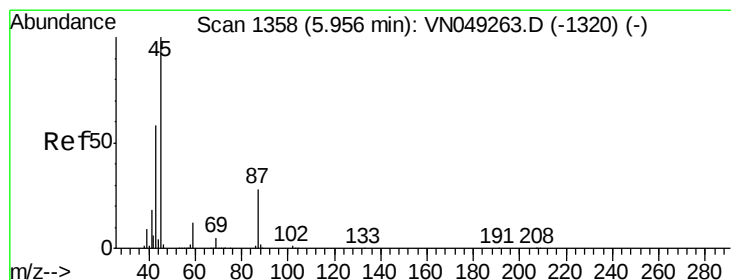
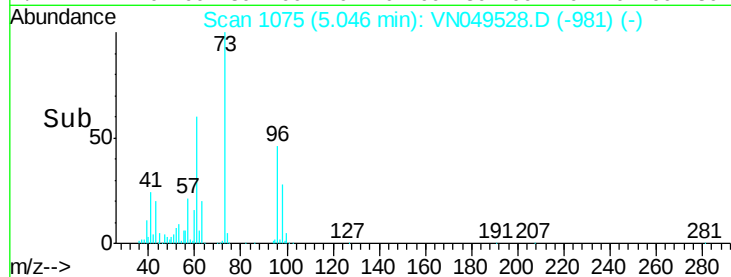
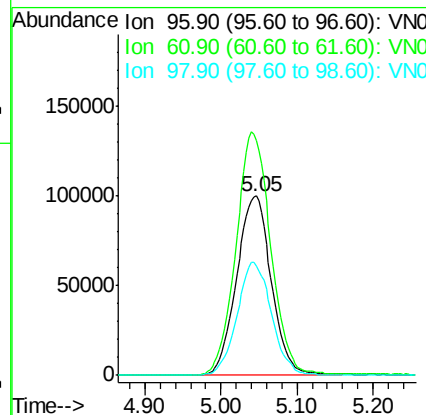
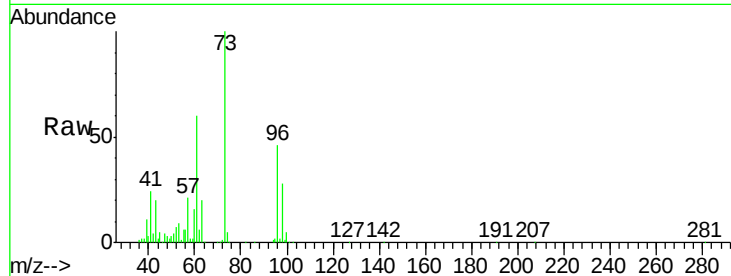
ClientSampleId :

VN0625MBS01

Tot Ion:	96	Resp:	316942
Ion	Ratio	Lower	Upper
96	100		
61	130.6	121.3	181.9
98	61.0	52.0	78.0

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#22

Diisopropyl ether

Concen: 19.81 ug/l

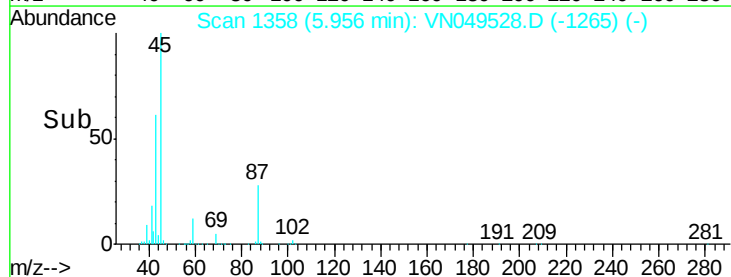
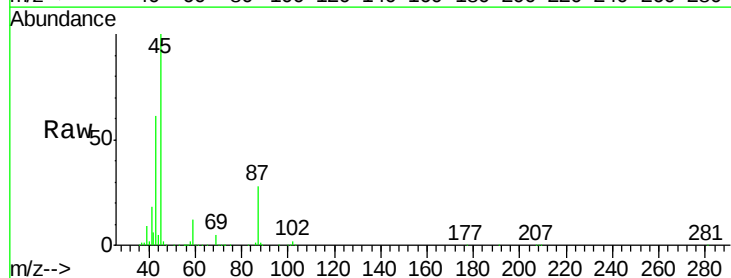
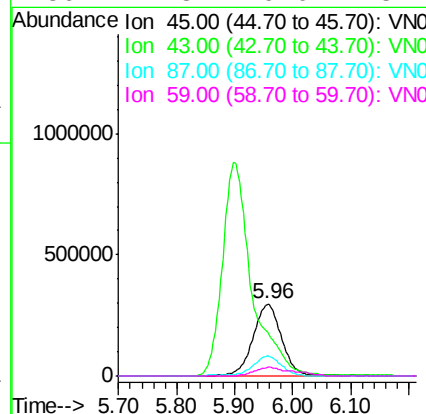
RT: 5.96 min Scan# 1358

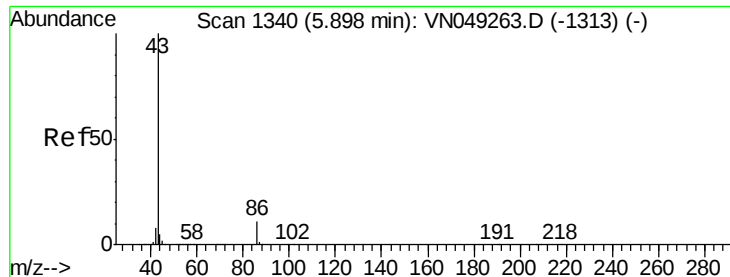
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion:	45	Resp:	1022020
Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.6	72.8
87	27.5	20.2	30.2
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 92.41 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBS01

Tot Ion: 43 Resp: 3108791

Ion Ratio Lower Upper

43 100

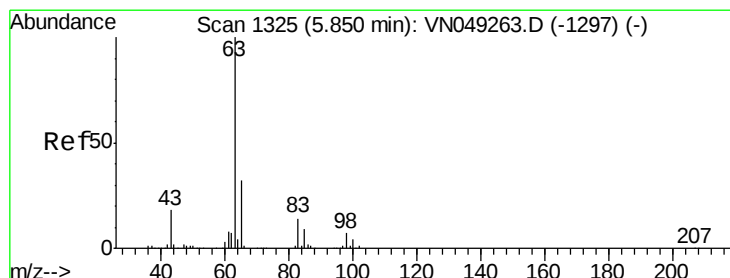
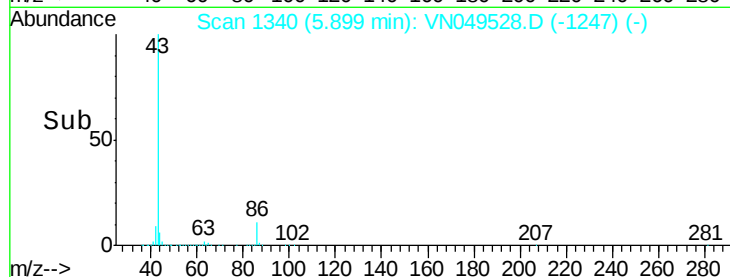
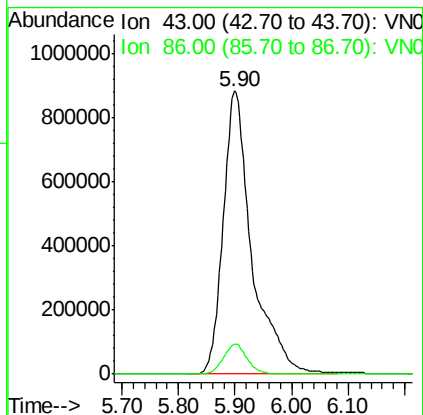
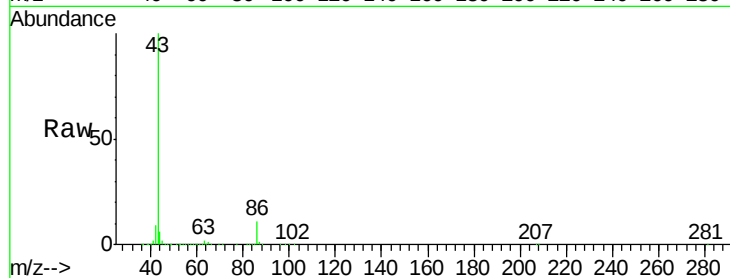
86 10.5 7.2 10.8

Manual Integrations

APPROVED

apatel

6/26/2018 5:14:37 PM



#24

1,1-Dichloroethane

Concen: 18.78 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

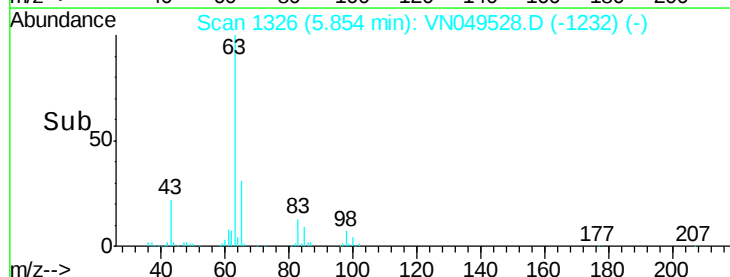
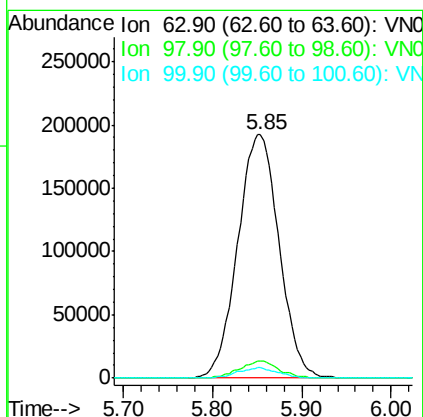
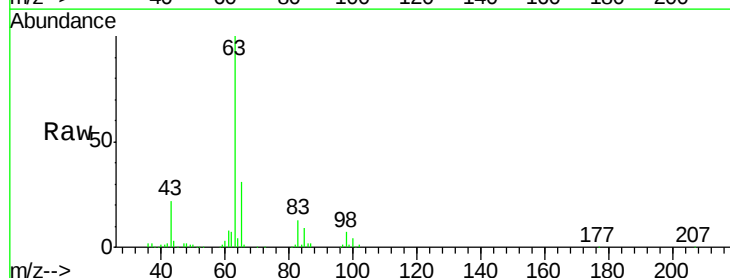
Tgt Ion: 63 Resp: 620140

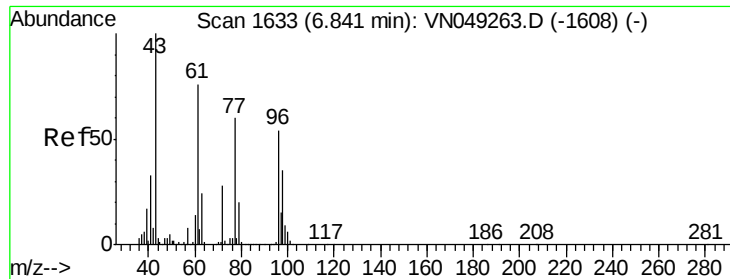
Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 88.82 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBS01

Tot Ion: 43 Resp: 548226

Ion Ratio Lower Upper

43 100

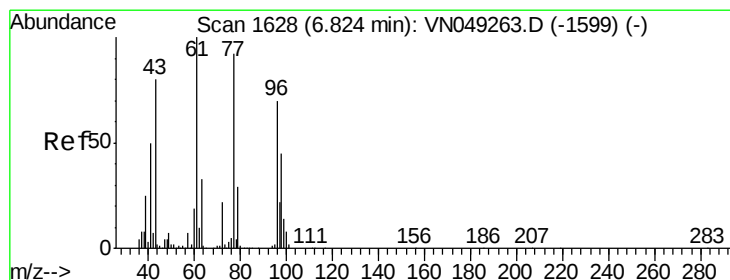
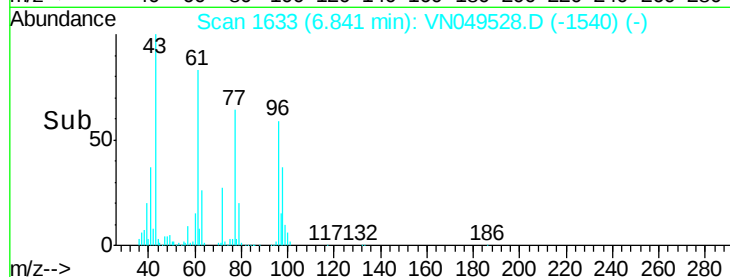
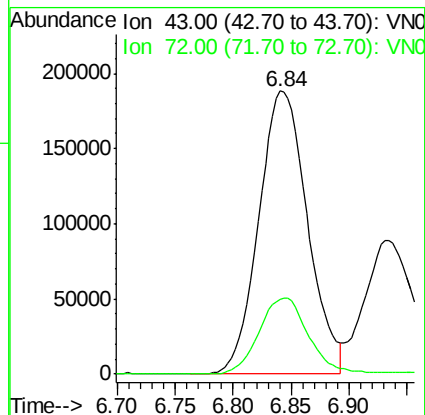
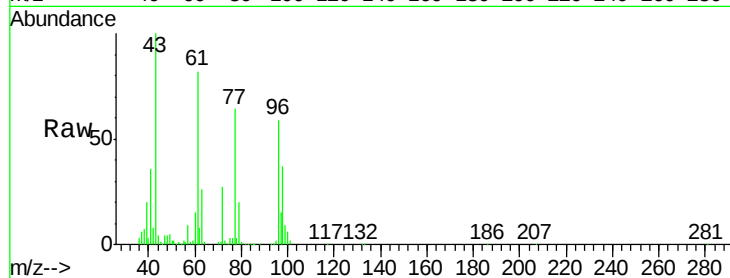
72 26.6 20.2 30.2

Manual Integrations

APPROVED

apatel

6/26/2018 5:14:37 PM



#26

2,2-Dichloropropane

Concen: 17.21 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049528.D

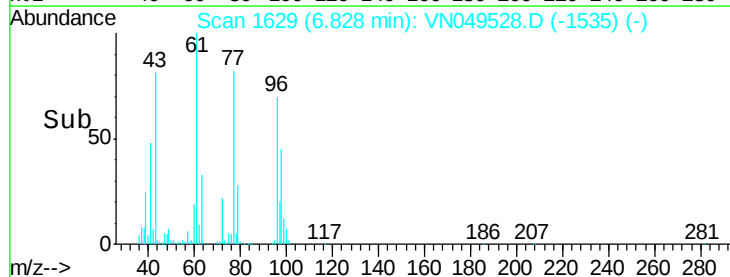
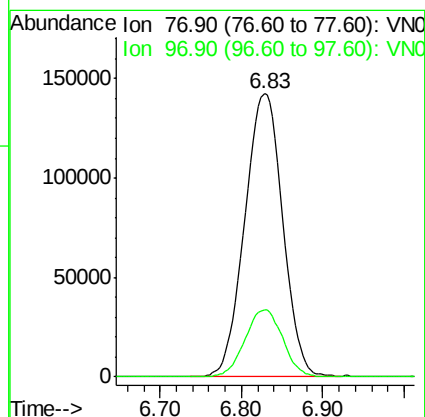
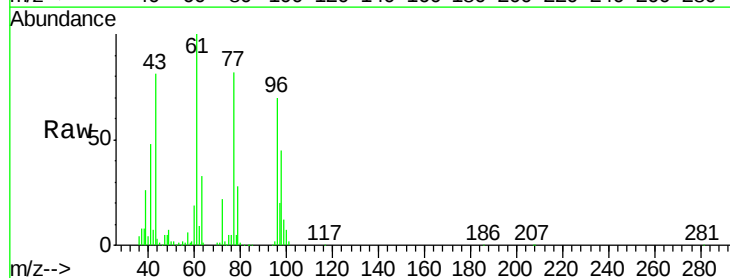
Acq: 25 Jun 2018 22:47

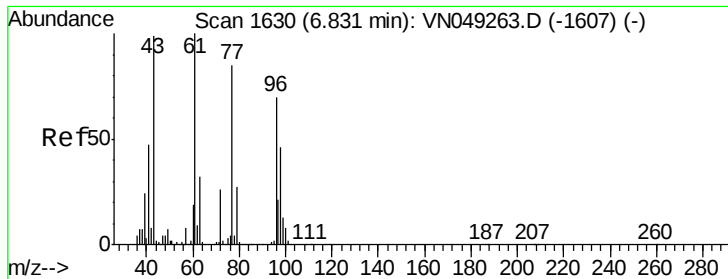
Tgt Ion: 77 Resp: 459047

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 18.60 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

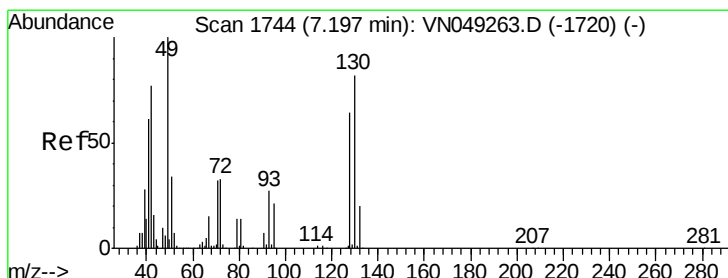
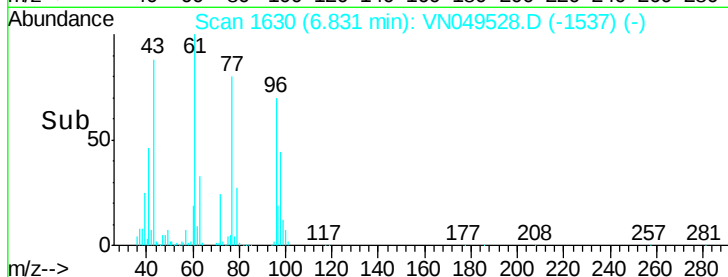
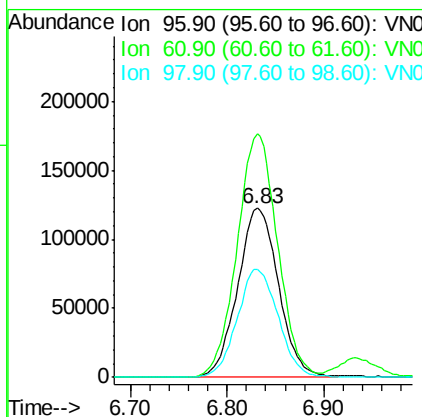
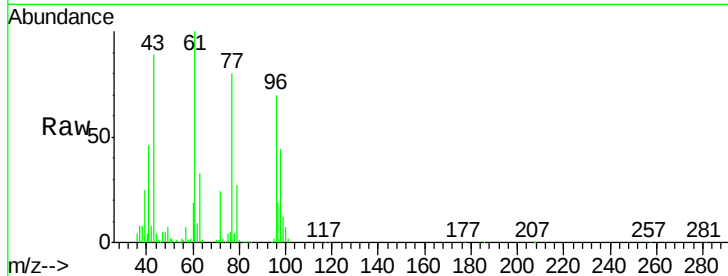
ClientSampleId :

VN0625MBS01

Tot Ion:	96	Resp:	358289
Ion Ratio	Lower	Upper	
96	100		
61	143.3	0.0	316.4
98	64.4	0.0	128.4

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#28

Bromochloromethane

Concen: 20.37 ug/l

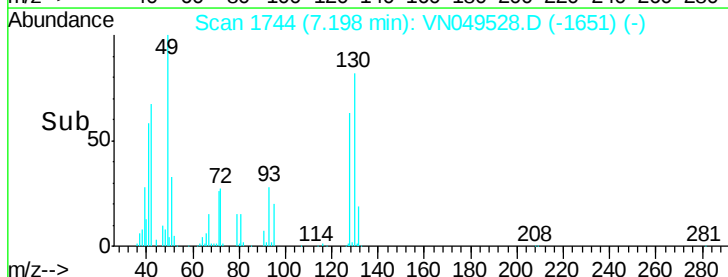
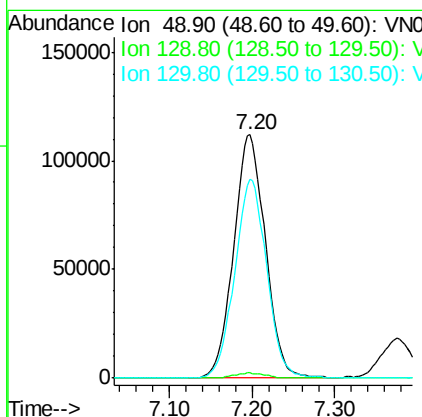
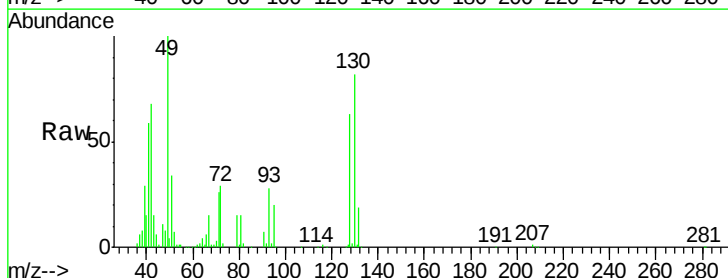
RT: 7.20 min Scan# 1744

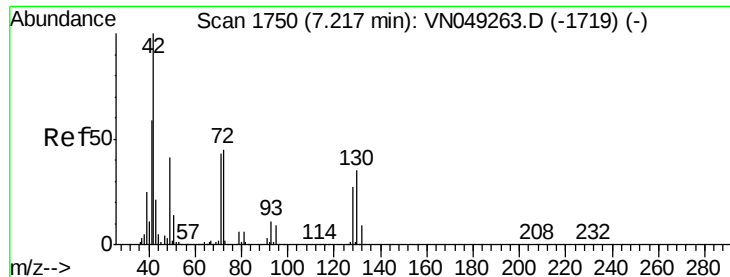
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion:	49	Resp:	298215
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	82.3	54.9	82.3





#29

Tetrahydrofuran

Concen: 93.29 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

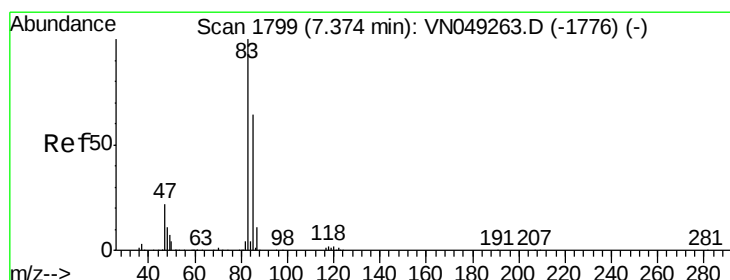
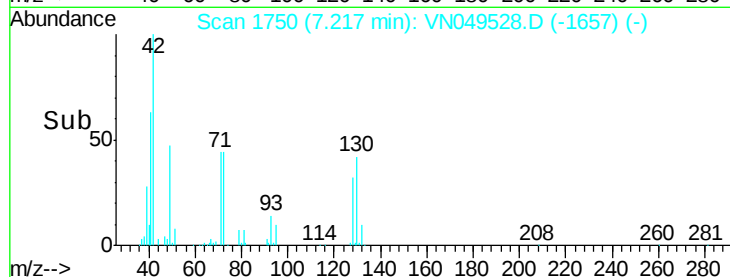
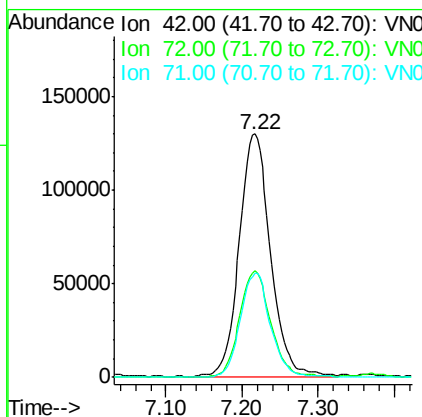
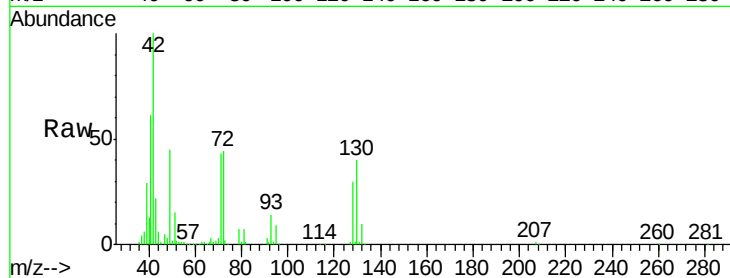
ClientSampleId :

VN0625MBS01

Tot Ion:	42	Resp:	370652
Ion Ratio		Lower	Upper
42	100		
72	43.0	32.2	48.4
71	41.2	30.5	45.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#30

Chloroform

Concen: 19.08 ug/l

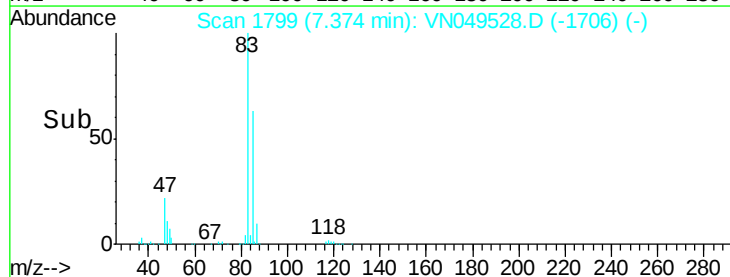
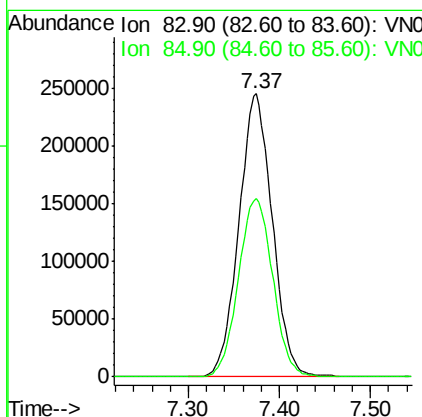
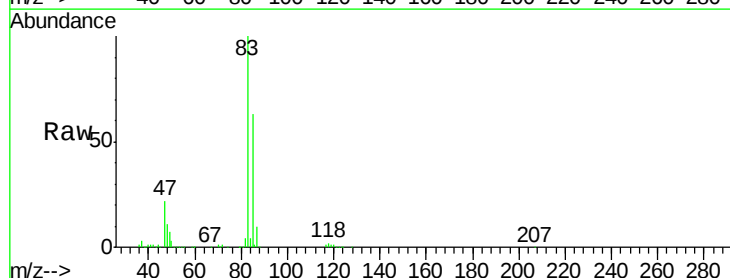
RT: 7.37 min Scan# 1799

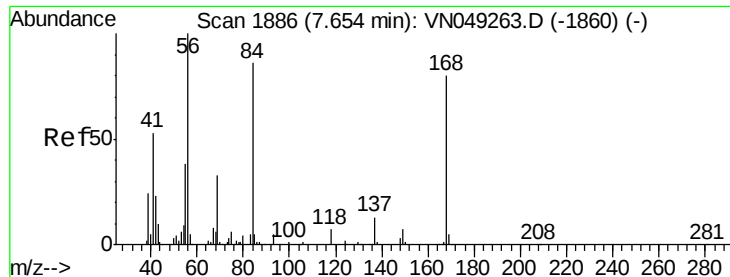
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion:	83	Resp:	627041
Ion Ratio		Lower	Upper
83	100		
85	62.9	51.7	77.5





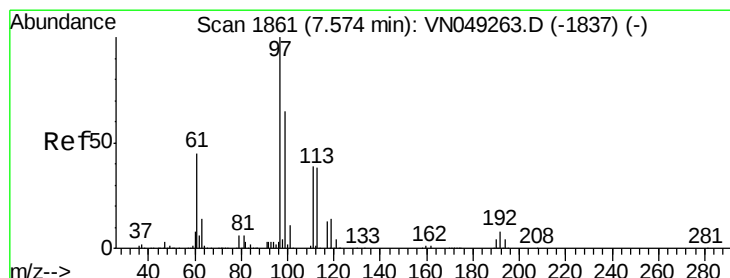
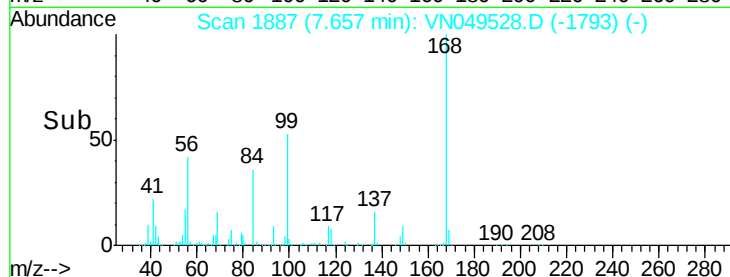
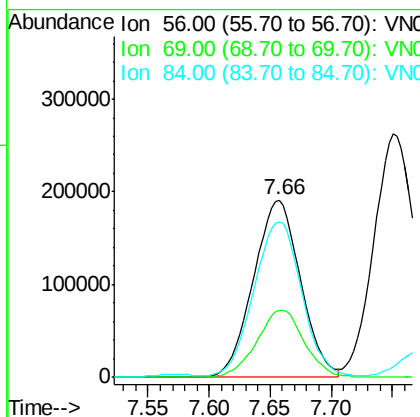
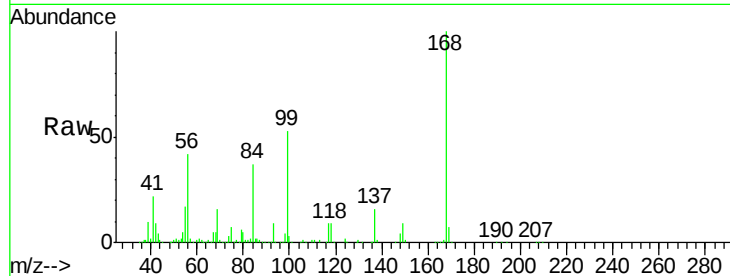
#31
Cyclohexane
Concen: 18.19 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	25.0	37.4#
84	86.3	64.6	96.8

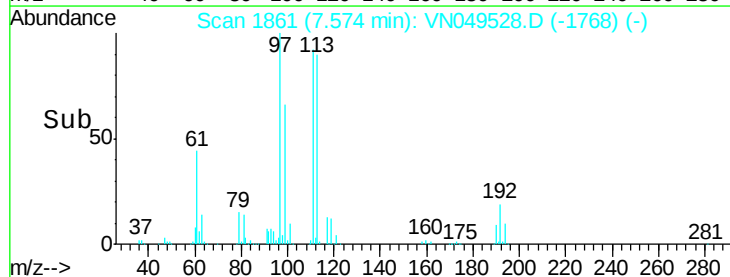
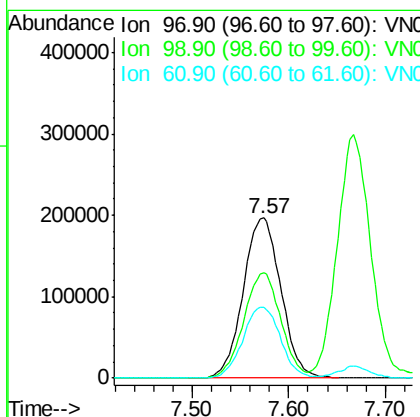
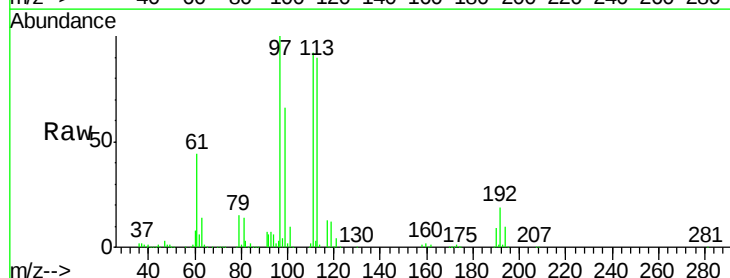
Manual Integrations
APPROVED

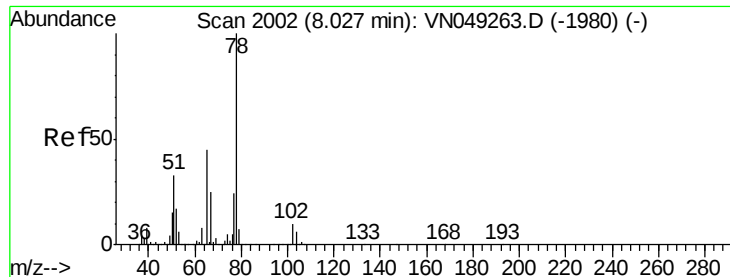
apatel
6/26/2018 5:14:37 PM



#32
1,1,1-Trichloroethane
Concen: 18.99 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.5	75.7
61	44.2	37.9	56.9





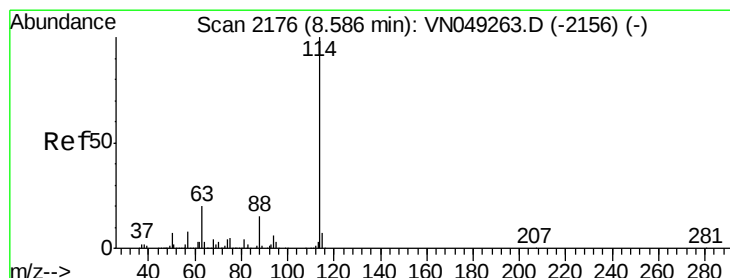
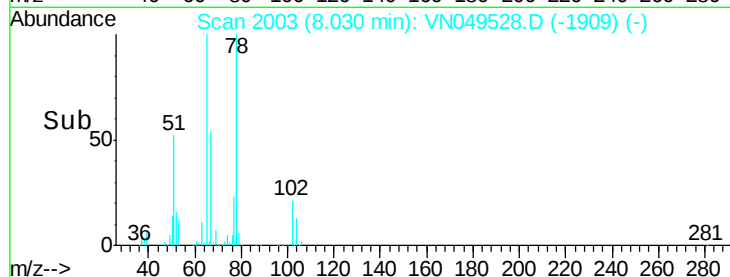
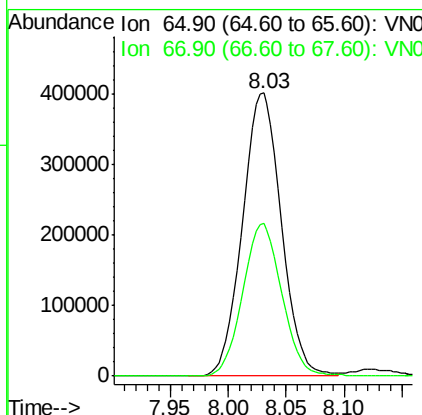
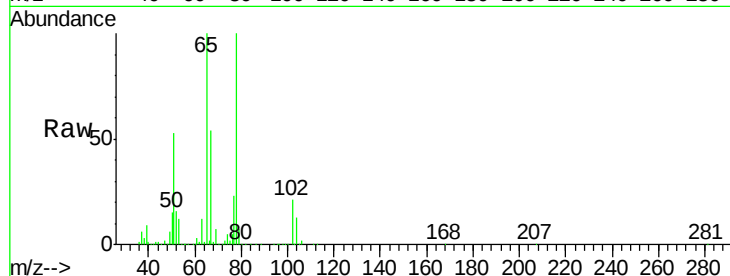
#33
 1,2-Dichloroethane-d4
 Concen: 49.58 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Tot Ion: 65 Resp: 938552
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8

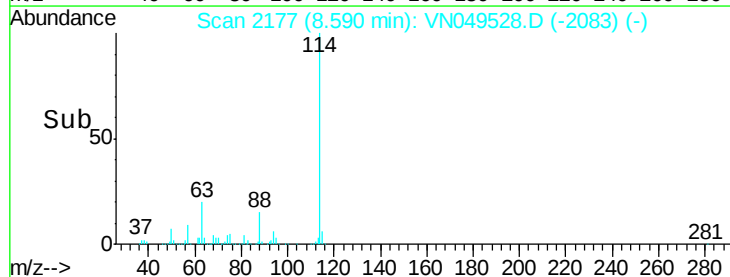
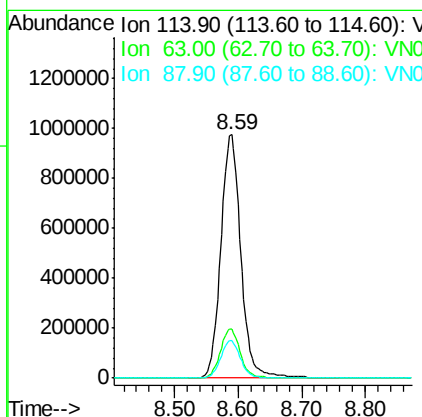
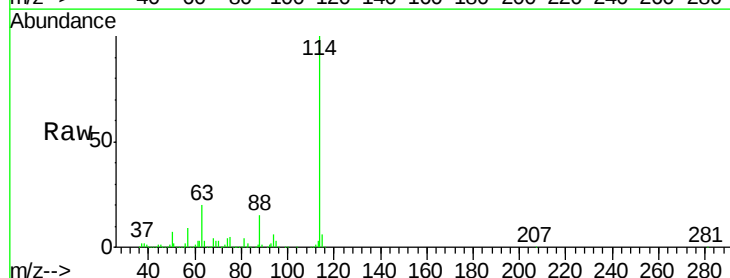
Manual Integrations
 APPROVED

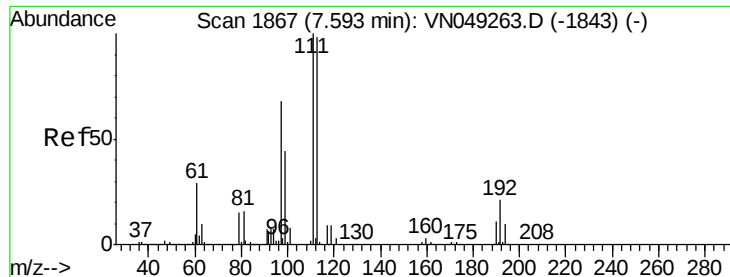
apatel
 6/26/2018 5:14:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Tgt Ion: 114 Resp: 2133484
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.4
 88 15.3 0.0 31.4





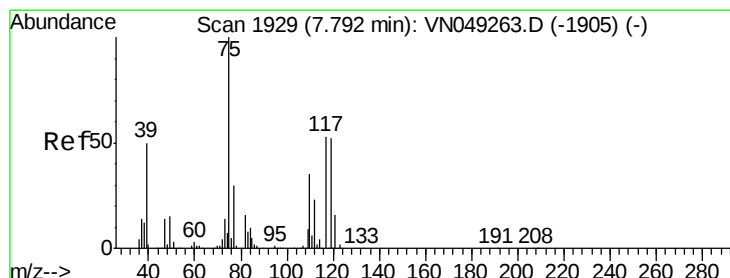
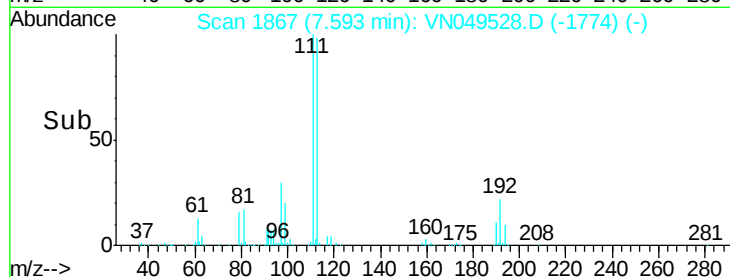
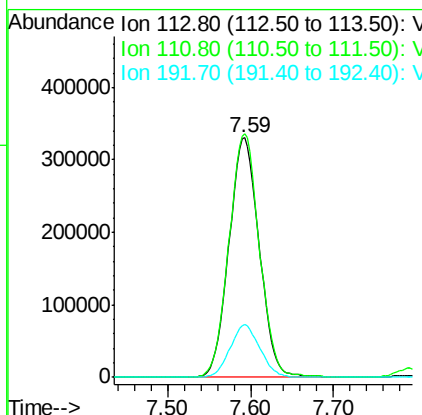
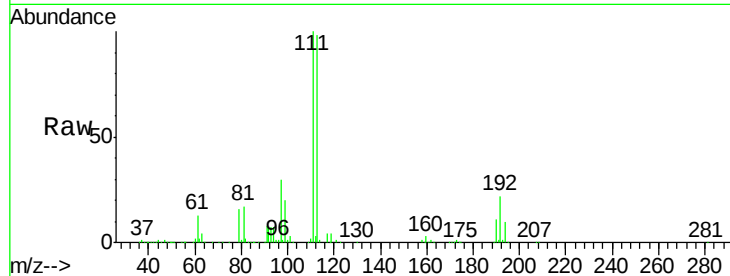
#35
 Dibromofluoromethane
 Concen: 48.74 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	841285		
111	102.1		82.4	123.6
192	21.9		15.0	22.6

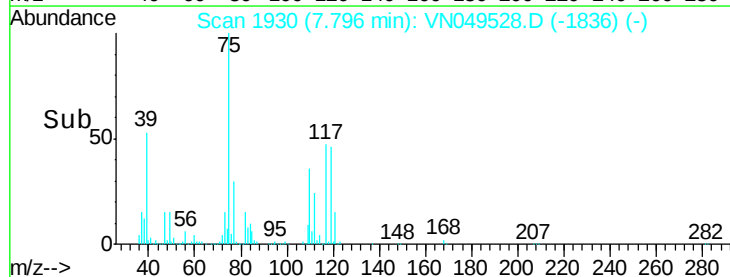
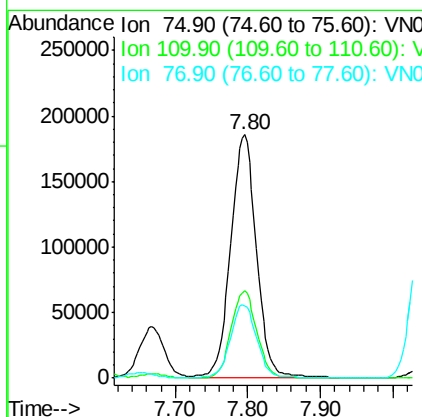
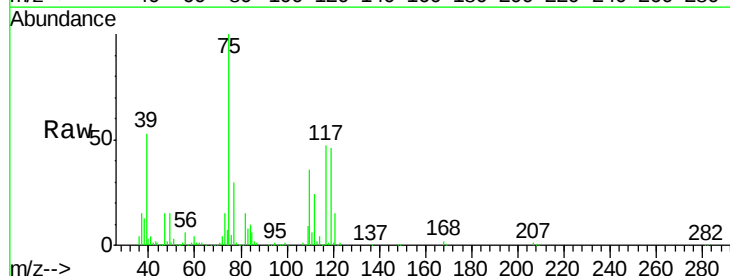
Manual Integrations
 APPROVED

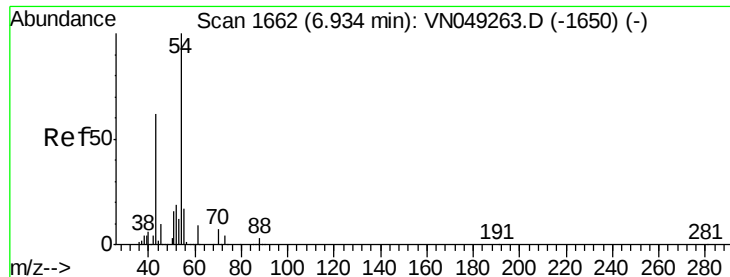
apatel
 6/26/2018 5:14:37 PM



#36
 1,1-Dichloropropene
 Concen: 18.77 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	459068		
110	36.0		17.0	50.9
77	30.2		24.4	36.6





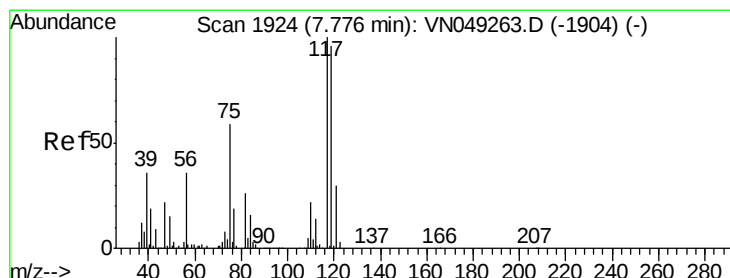
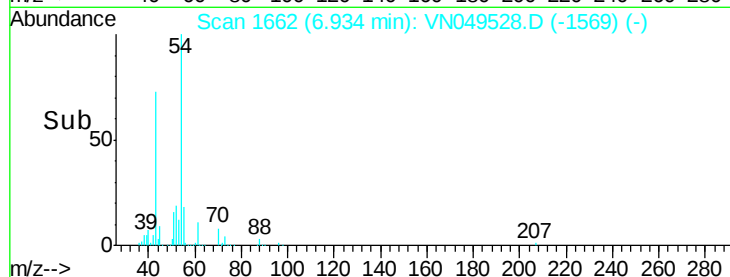
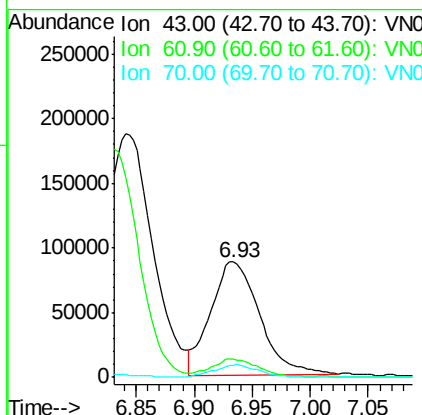
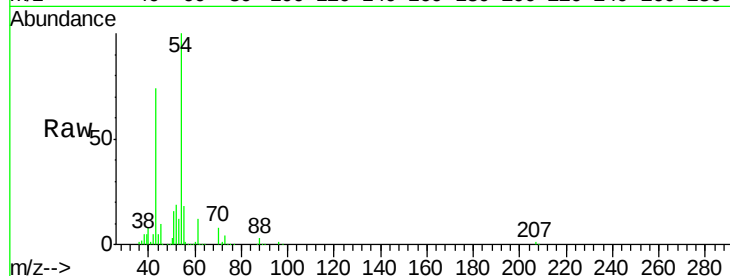
#37
Ethyl Acetate
Concen: 19.37 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.4
70	10.5	7.2	10.8

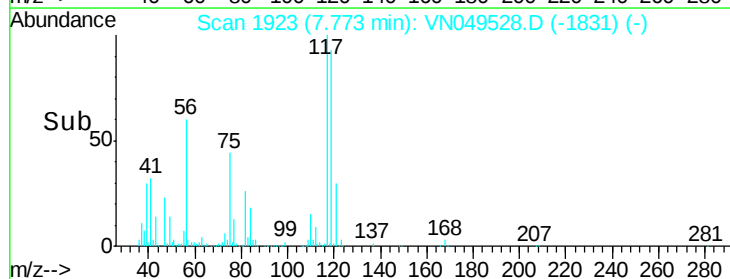
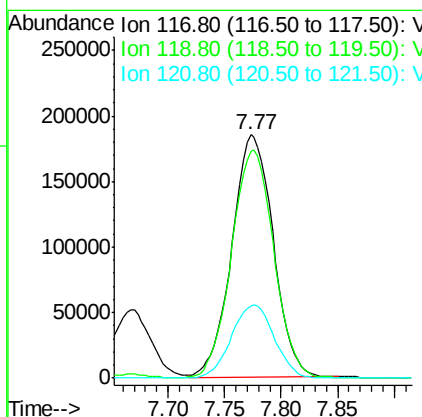
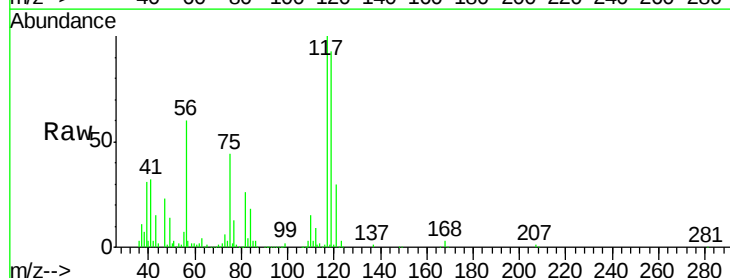
Manual Integrations
APPROVED

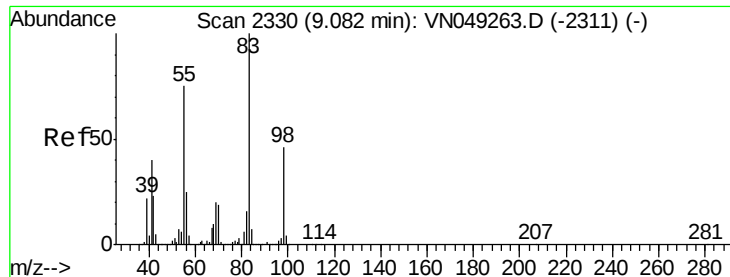
apatel
6/26/2018 5:14:37 PM



#38
Carbon Tetrachloride
Concen: 18.59 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.6	113.4
121	29.7	24.7	37.1





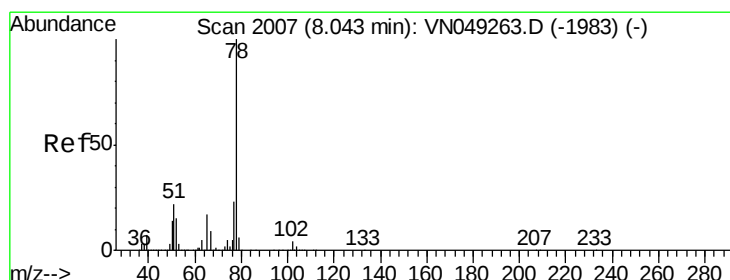
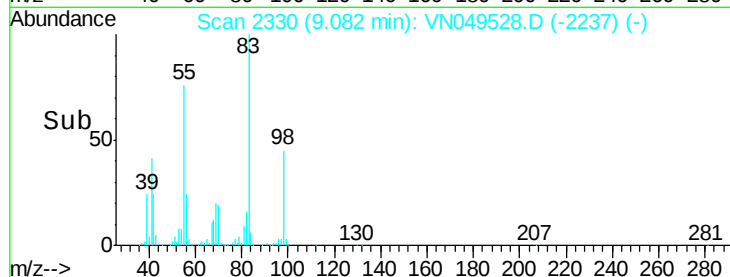
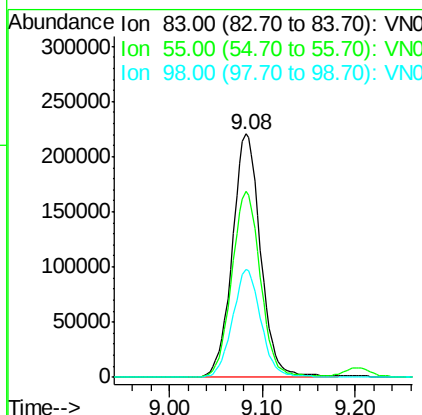
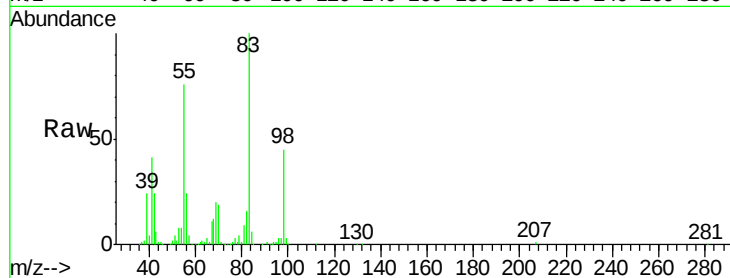
#39
Methvlcvclohexane
Concen: 17.80 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	65.1	97.7
98	44.5	36.5	54.7

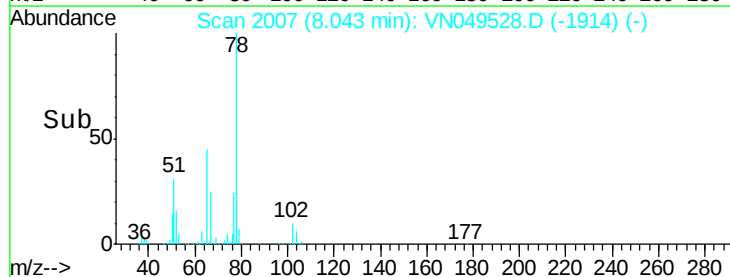
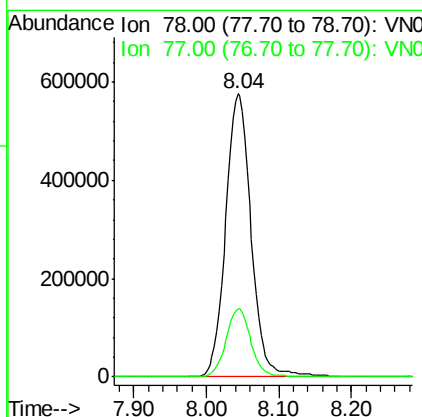
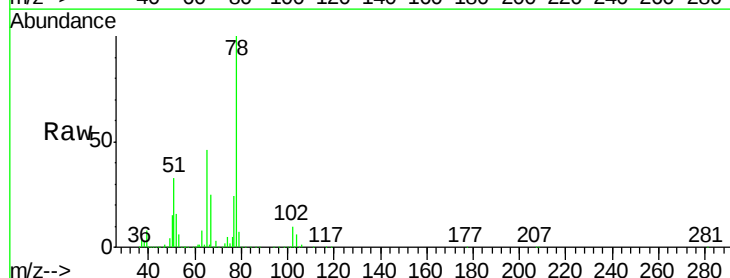
Manual Integrations
APPROVED

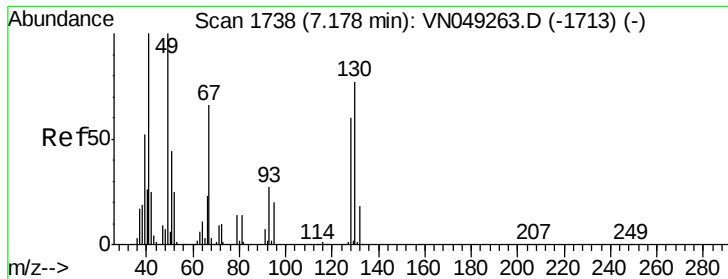
apatel
6/26/2018 5:14:37 PM



#40
Benzene
Concen: 18.73 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





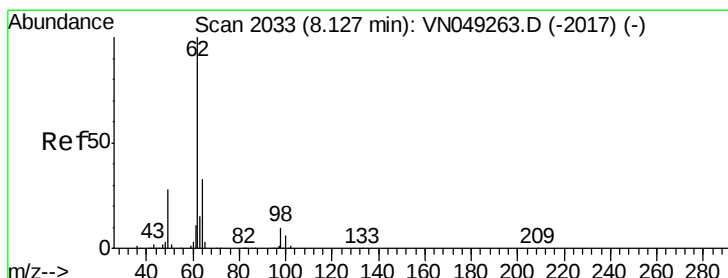
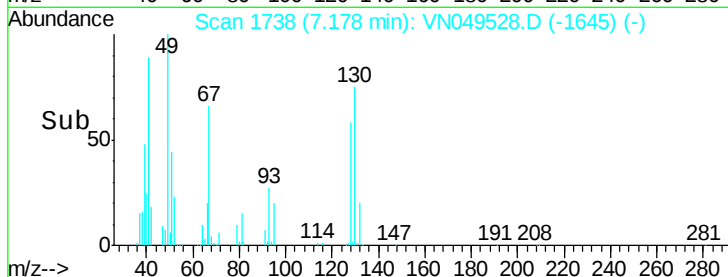
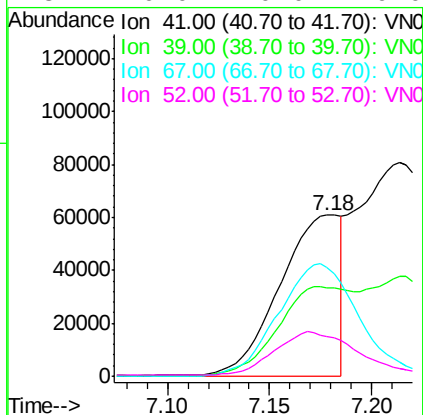
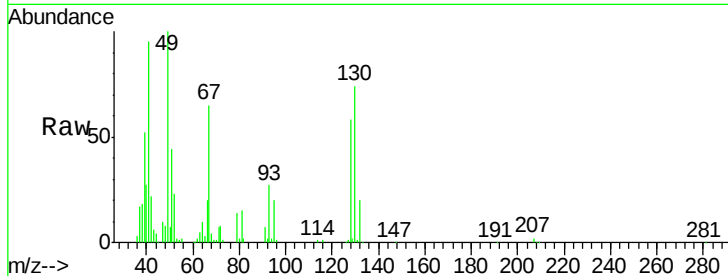
#41
Methacrylonitrile
Concen: 17.54 ug/l m
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	41	Resp	126081
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

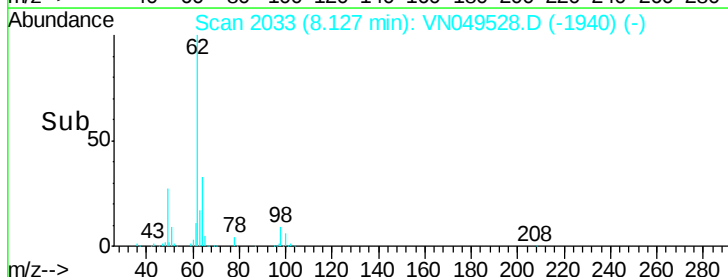
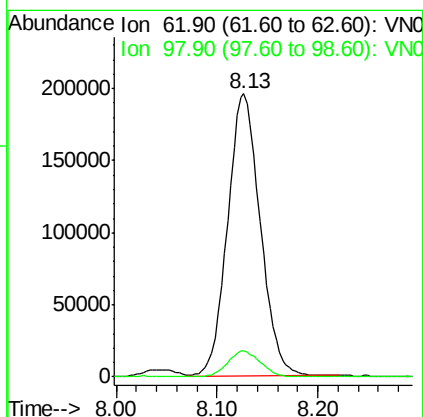
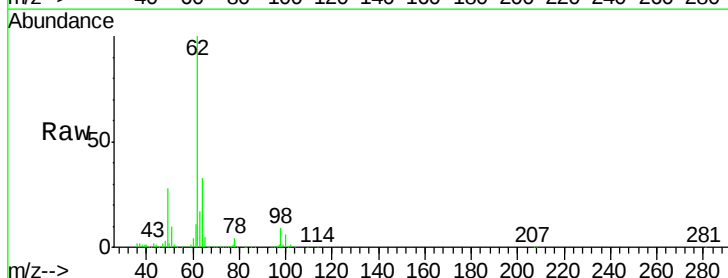
Manual Integrations
APPROVED

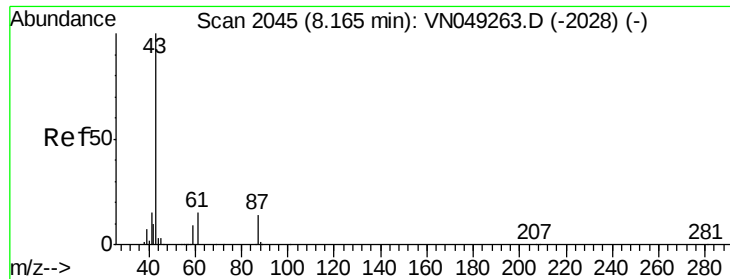
apatel
6/26/2018 5:14:37 PM



#42
1,2-Dichloroethane
Concen: 19.10 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	62	Resp	442440
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 21.29 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

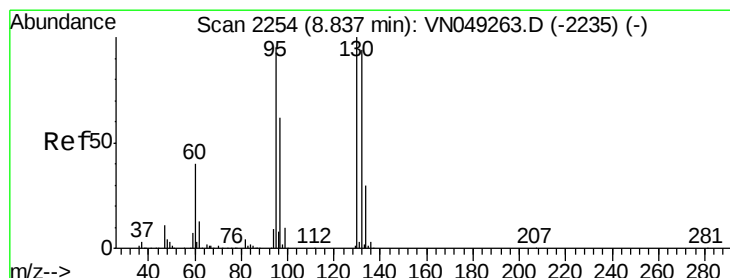
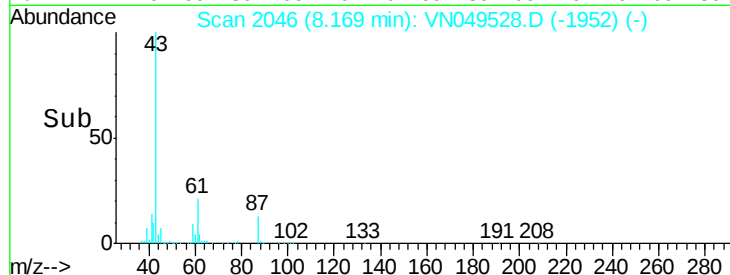
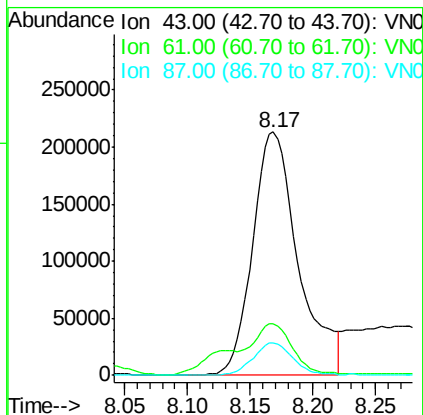
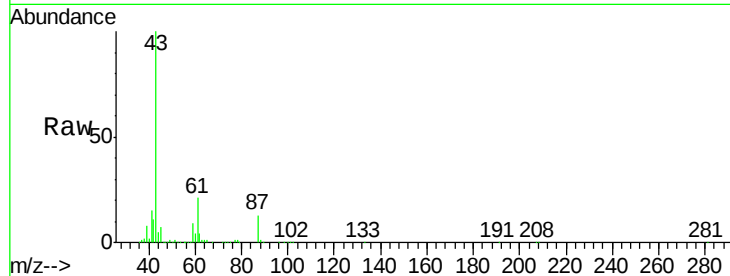
ClientSampleId :

VN0625MBS01

Tot Ion:	43	Resp:	540641
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.2	21.4
87	11.6	9.4	14.0

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#44

Trichloroethene

Concen: 19.25 ug/l

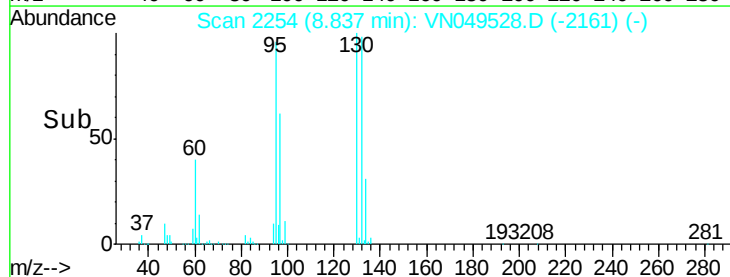
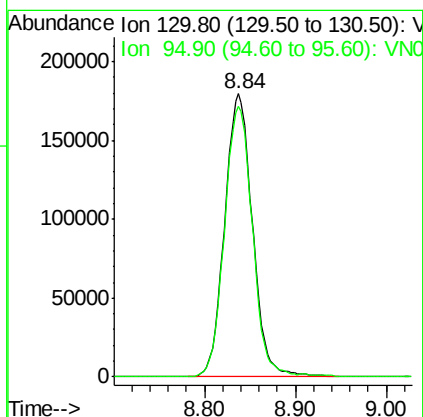
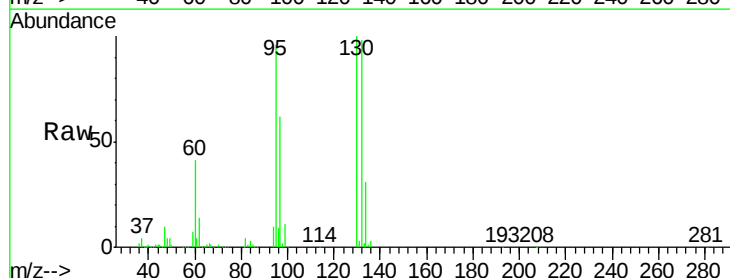
RT: 8.84 min Scan# 2254

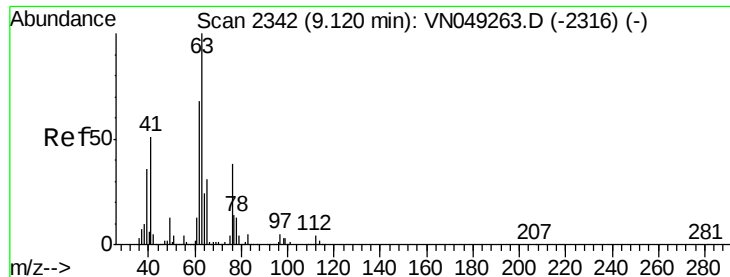
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion:	130	Resp:	381100
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	208.6





#45

1,2-Dichloropropane

Concen: 18.85 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBS01

Tot Ion: 63 Resp: 369926

Ion Ratio Lower Upper

63 100

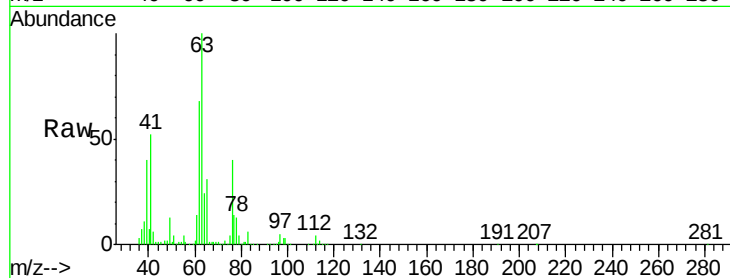
65 30.7 24.8 37.2

Manual Integrations

APPROVED

apatel

6/26/2018 5:14:37 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

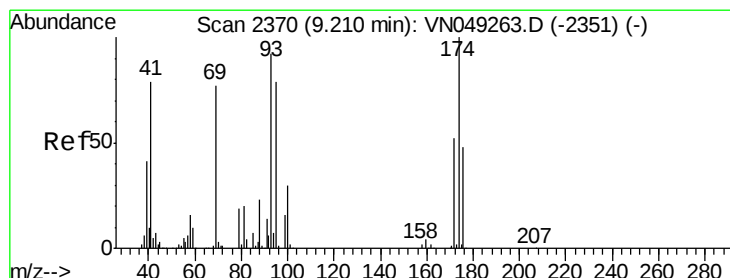
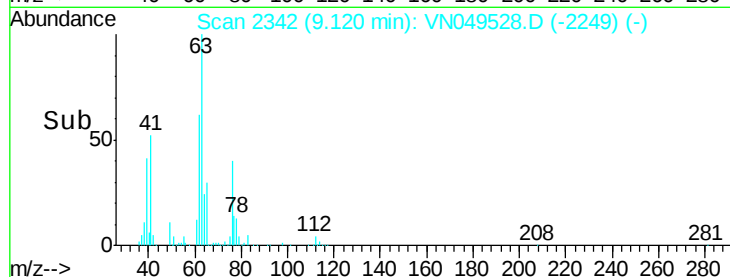
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.48 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

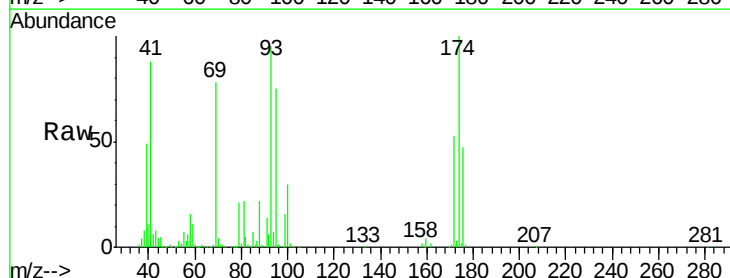
Tgt Ion: 93 Resp: 221656

Ion Ratio Lower Upper

93 100

95 80.6 67.2 100.8

174 108.0 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

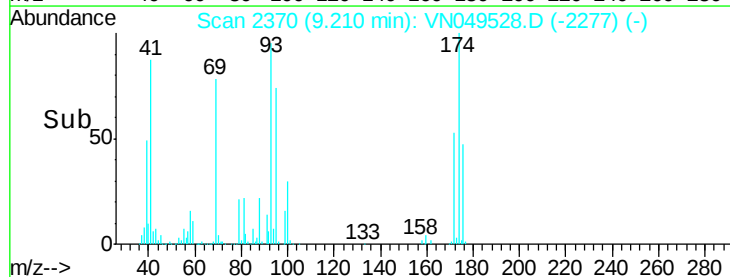
150000

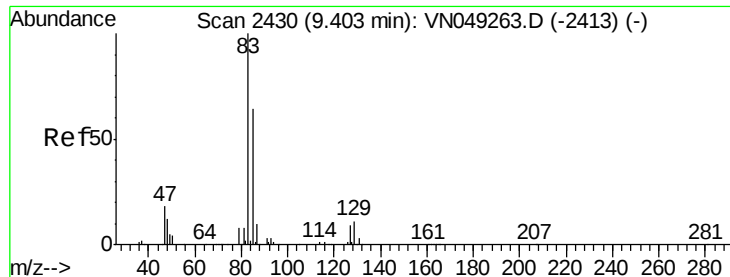
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 19.07 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

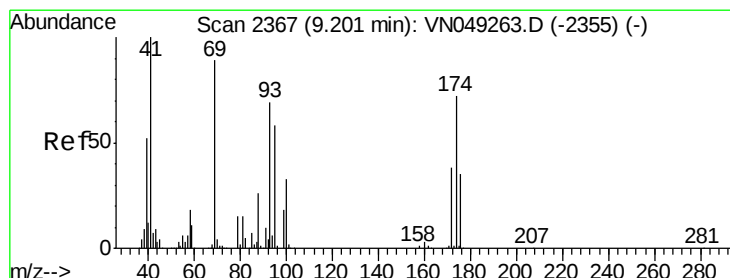
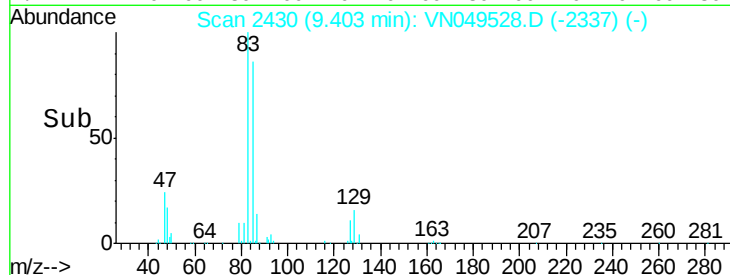
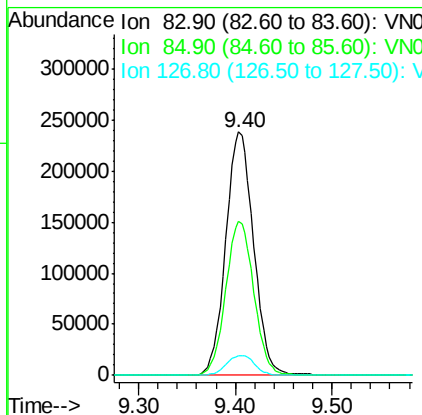
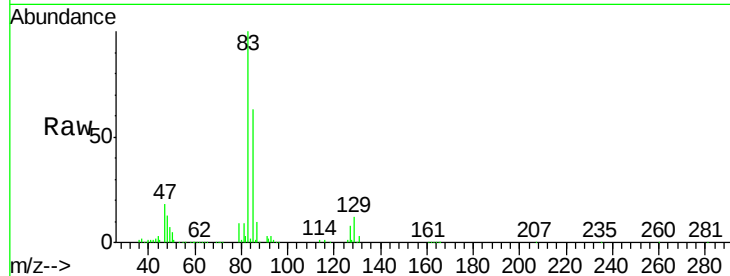
ClientSampled :

VN0625MBS01

Tot Ion:	83	Resp:	476842
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.4	74.0
127	8.1	6.3	9.5

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#48

Methyl methacrylate

Concen: 19.66 ug/l

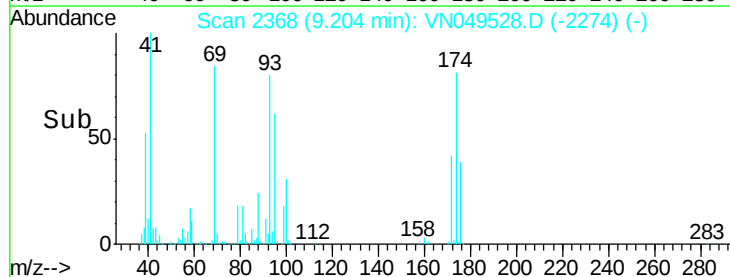
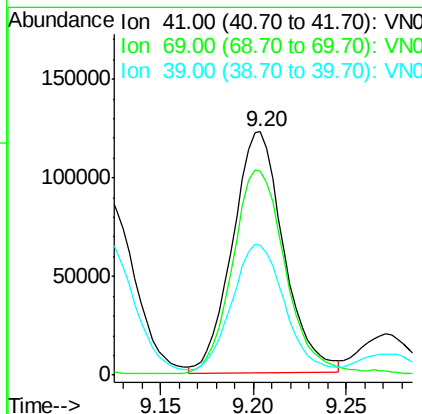
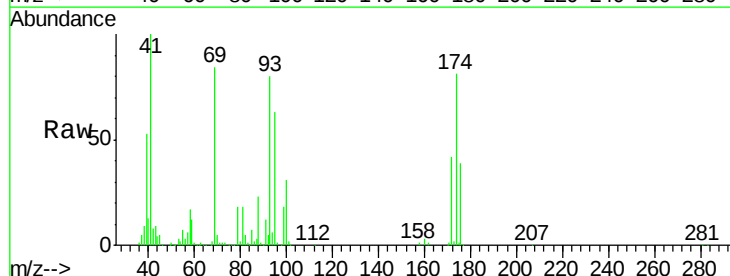
RT: 9.20 min Scan# 2368

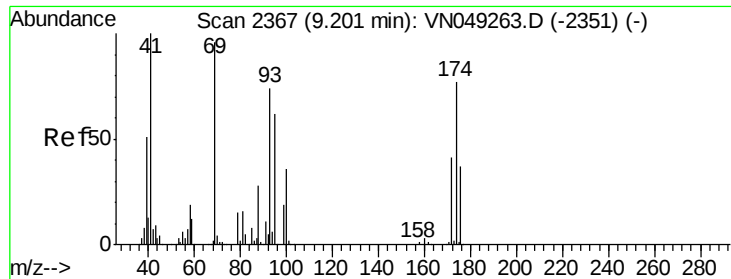
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion:	41	Resp:	235194
Ion	Ratio	Lower	Upper
41	100		
69	88.0	62.0	93.0
39	55.9	50.6	75.8





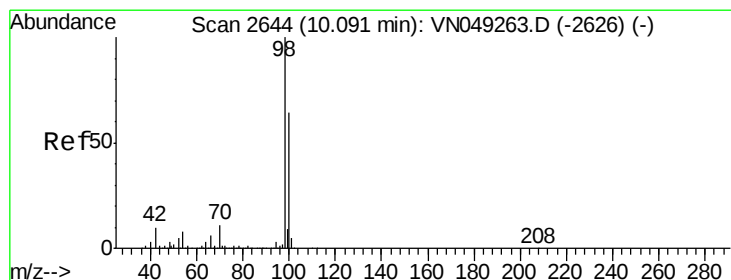
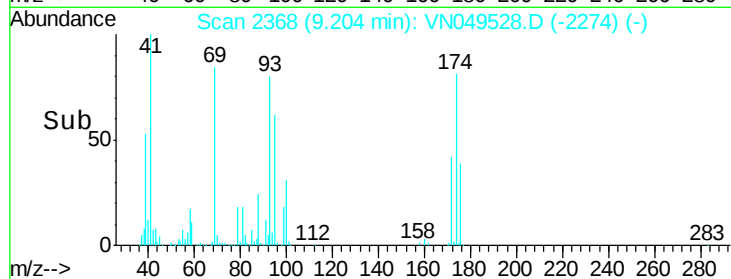
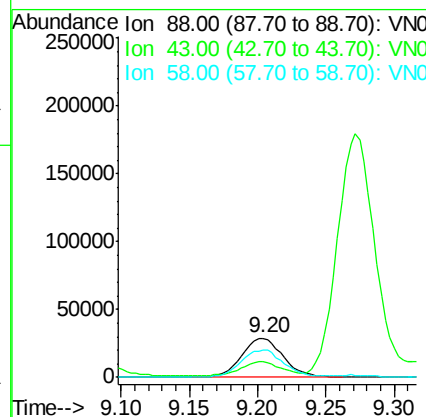
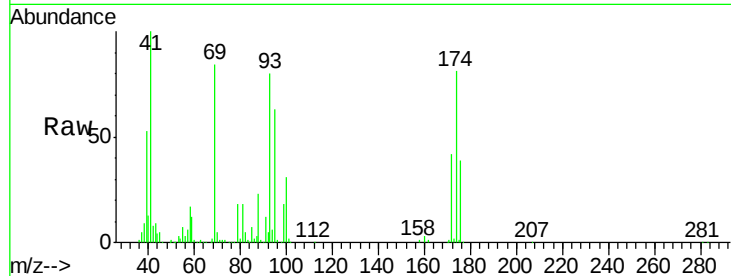
#49
1,4-Dioxane
Concen: 370.64 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	30.9	46.3
58	71.9	58.9	88.3

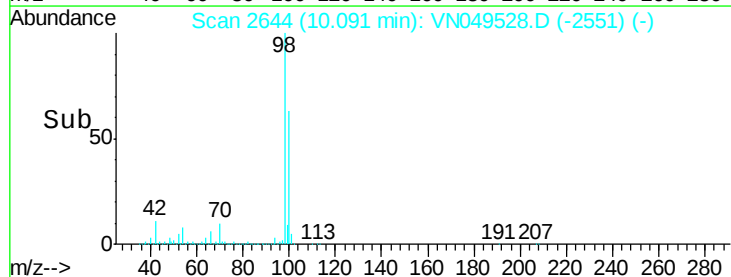
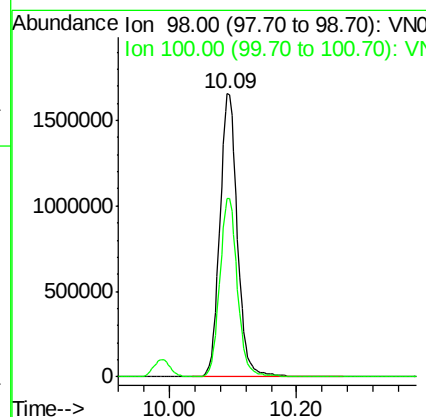
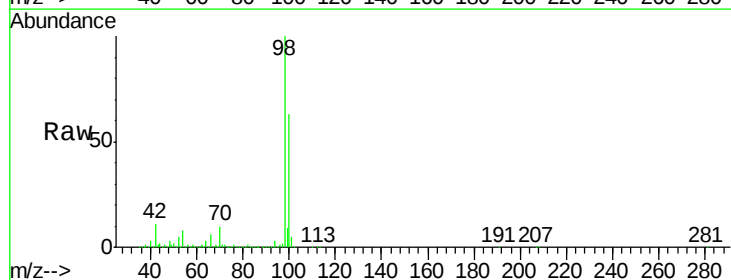
Manual Integrations
APPROVED

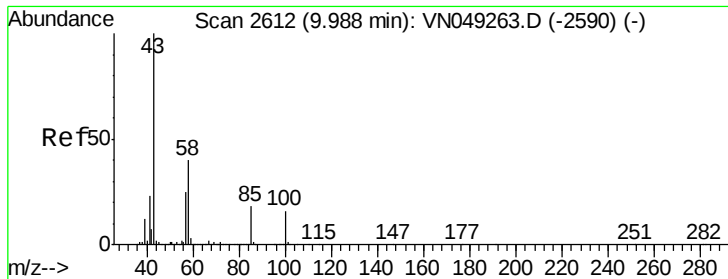
apatel
6/26/2018 5:14:37 PM



#50
Toluene-d8
Concen: 48.06 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.8	74.8





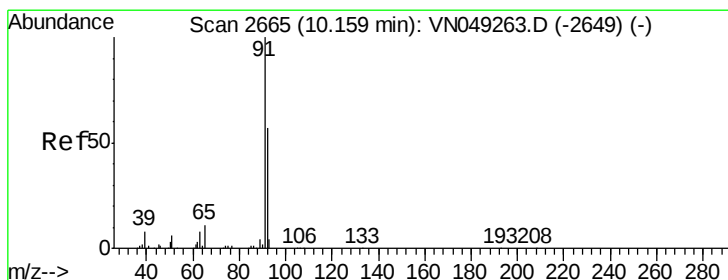
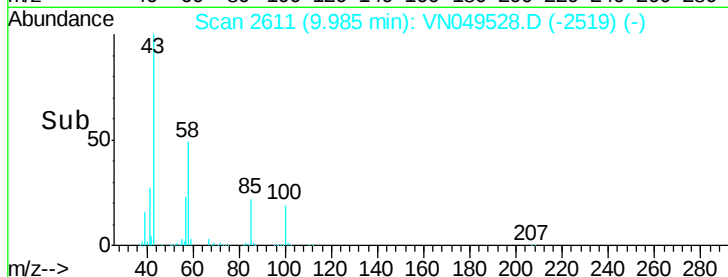
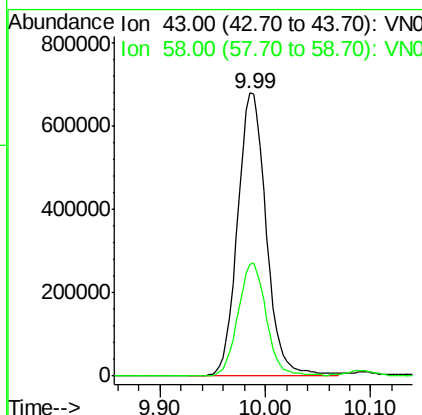
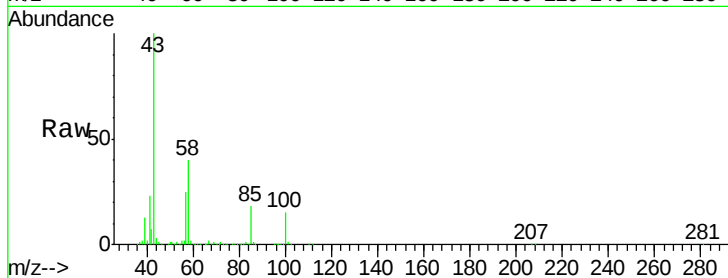
#51
4-Methyl-2-Pentanone
Concen: 96.10 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion: 43 Resp: 1279238
Ion Ratio Lower Upper
43 100
58 39.4 29.0 43.6

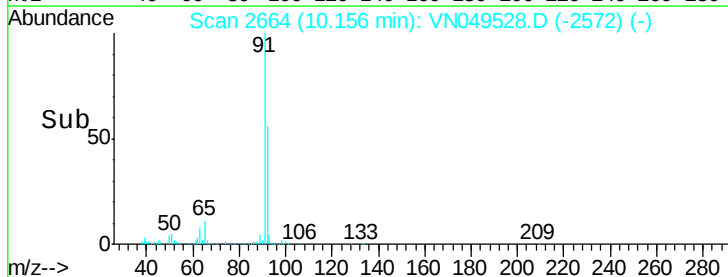
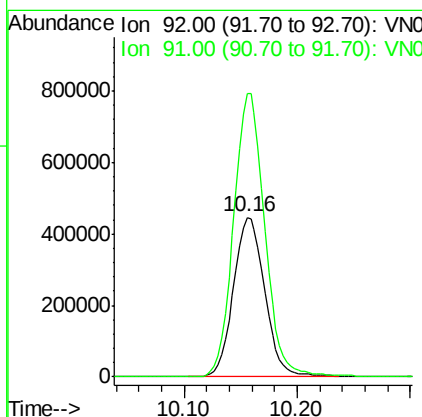
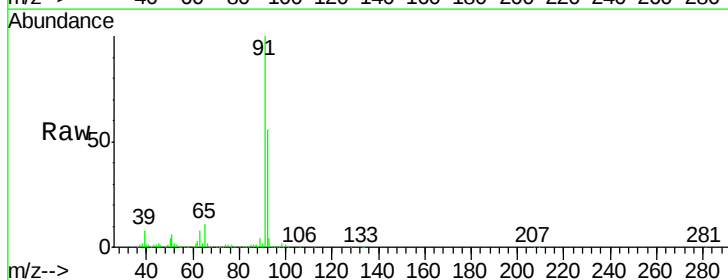
Manual Integrations
APPROVED

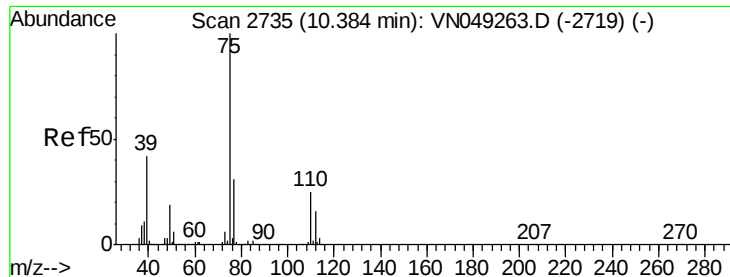
apatel
6/26/2018 5:14:37 PM



#52
Toluene
Concen: 19.53 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion: 92 Resp: 859315
Ion Ratio Lower Upper
92 100
91 177.4 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 18.17 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampled :

VN0625MBS01

Tot Ion: 75 Resp: 434697

Ion Ratio Lower Upper

75 100

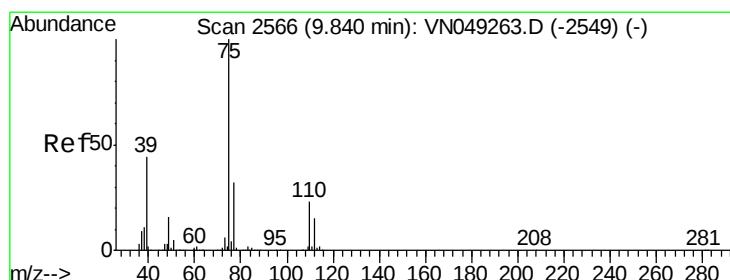
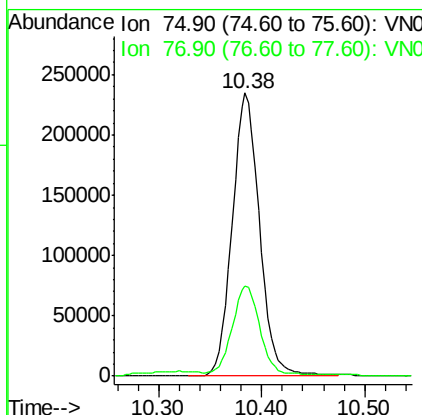
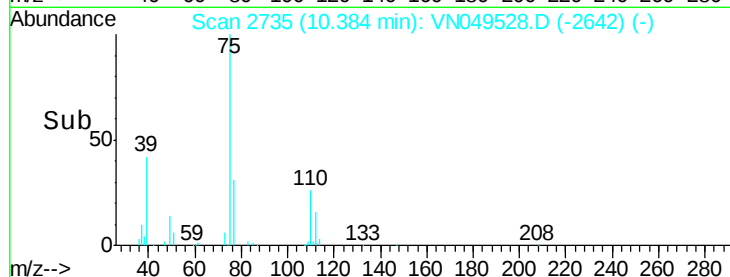
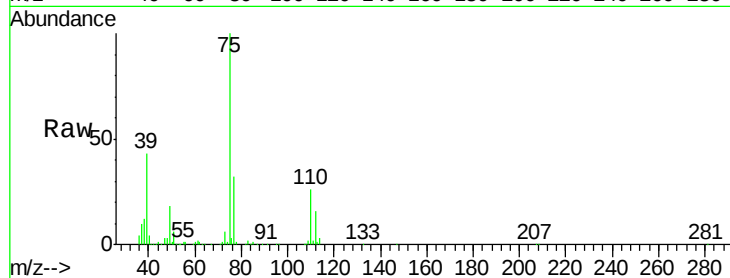
77 31.5 25.2 37.8

Manual Integrations

APPROVED

apatel

6/26/2018 5:14:37 PM



#54

cis-1,3-Dichloropropene

Concen: 18.52 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

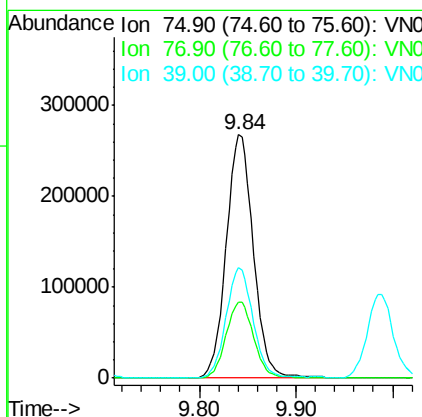
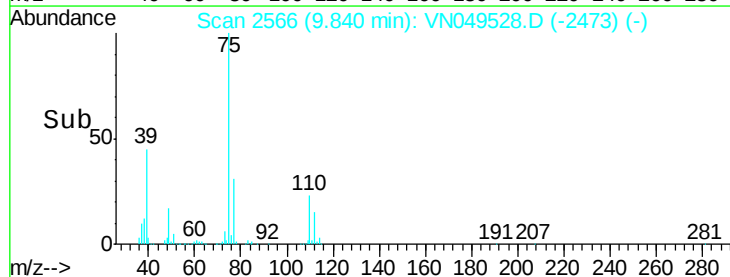
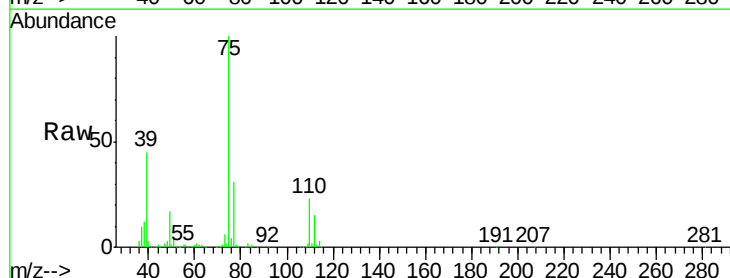
Tgt Ion: 75 Resp: 523210

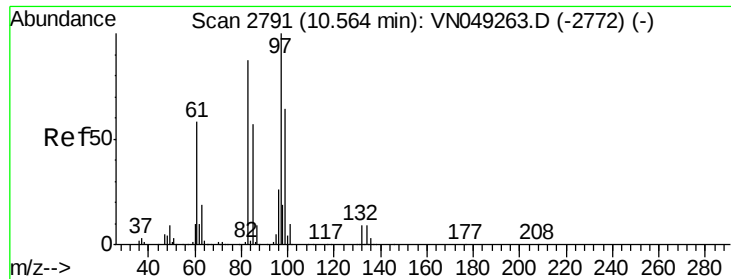
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 45.3 45.1 67.7





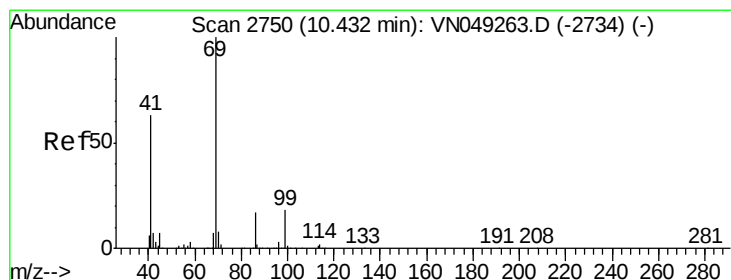
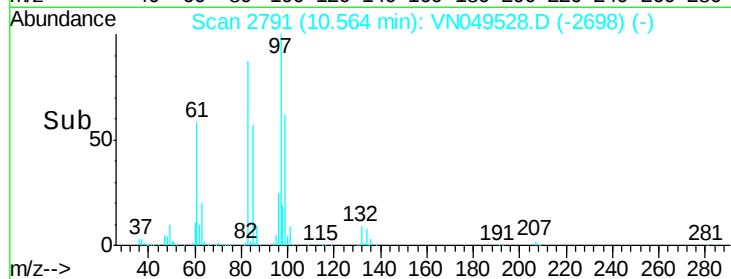
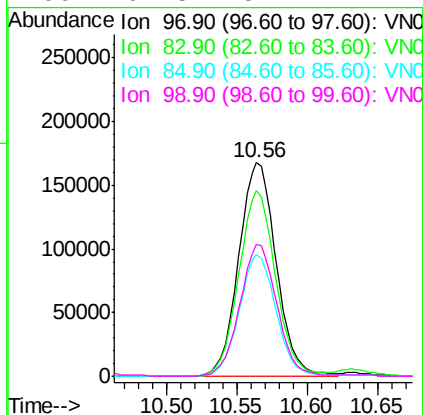
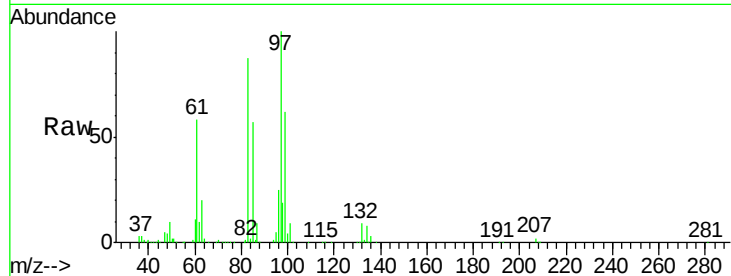
#55
 1,1,2-Trichloroethane
 Concen: 19.07 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.5	107.3
85	57.1	47.0	70.4
99	61.5	51.4	77.2

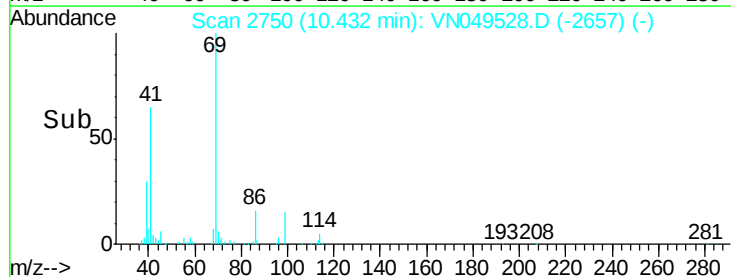
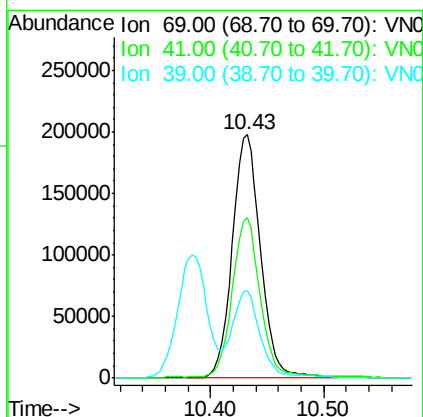
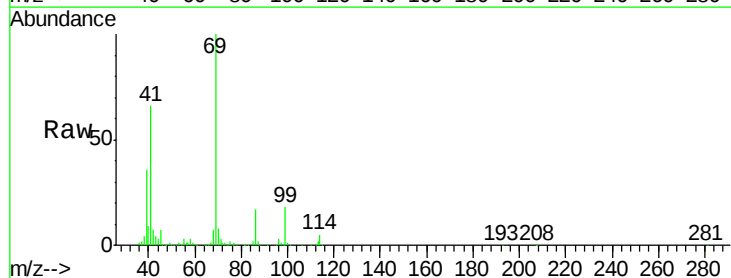
Manual Integrations
 APPROVED

apatel
 6/26/2018 5:14:37 PM



#56
 Ethyl methacrylate
 Concen: 18.23 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	34.9	35.5	53.3#





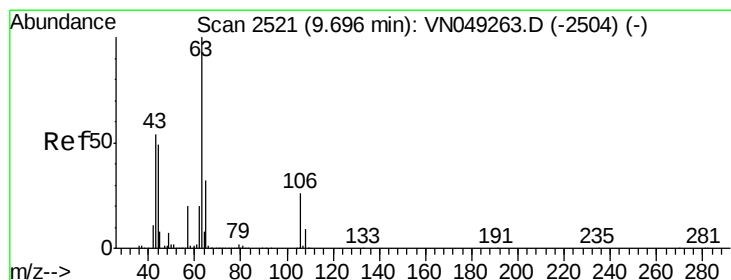
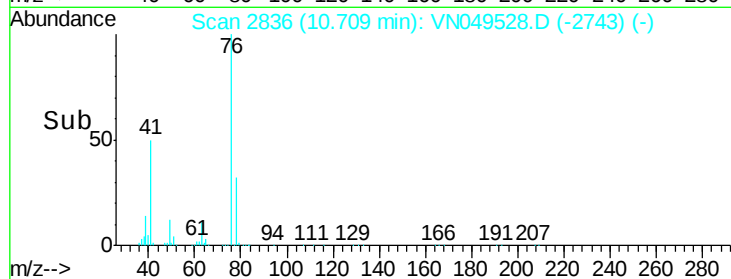
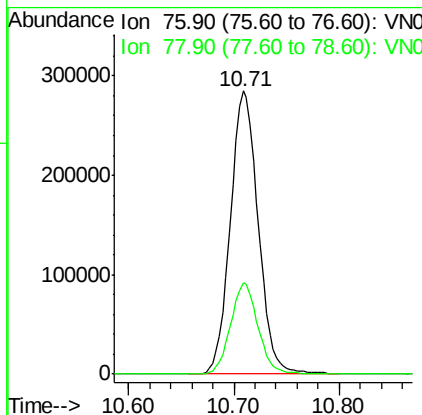
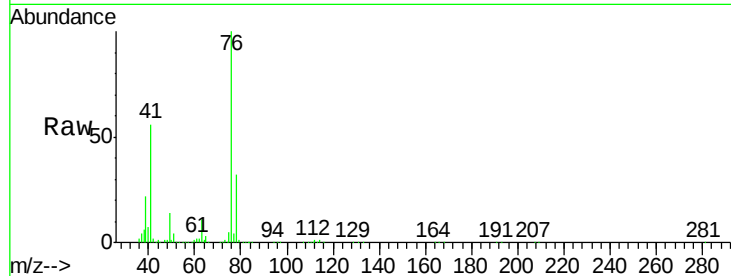
#57
 1,3-Dichloropropane
 Concen: 19.16 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5

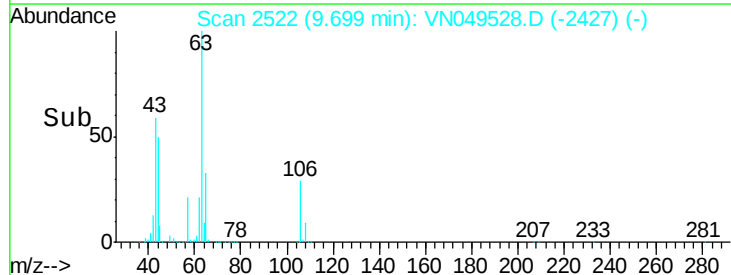
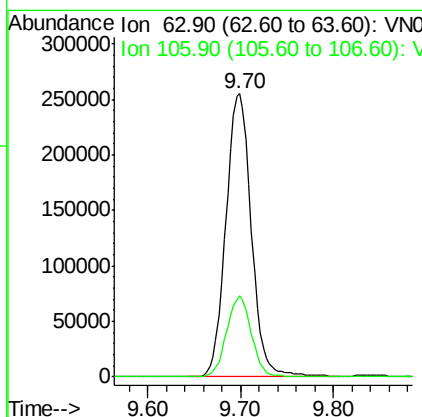
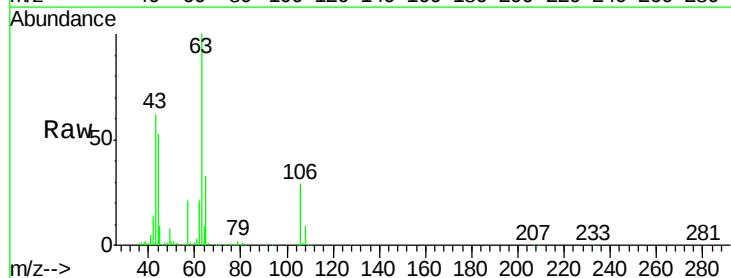
Manual Integrations
 APPROVED

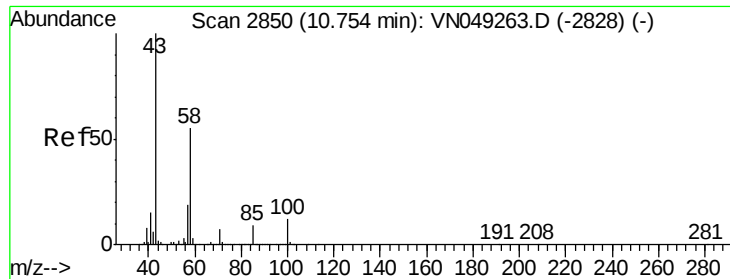
apatel
 6/26/2018 5:14:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.10 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	19.4	29.2





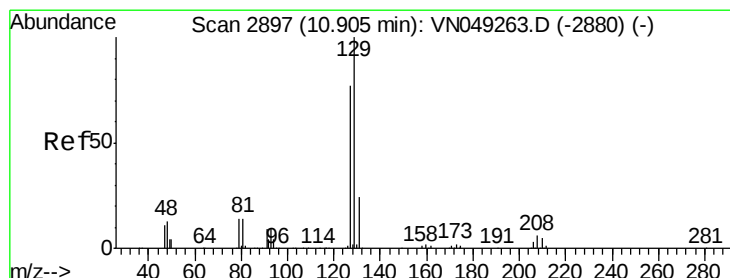
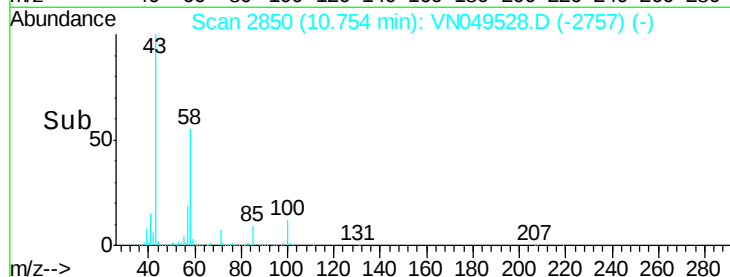
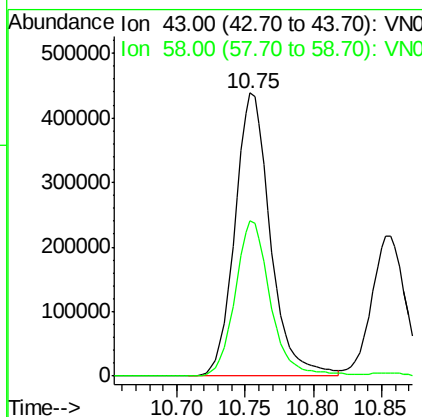
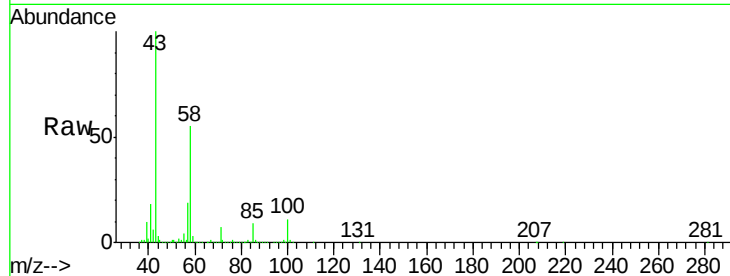
#59
2-Hexanone
Concen: 91.64 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	25.2	75.6

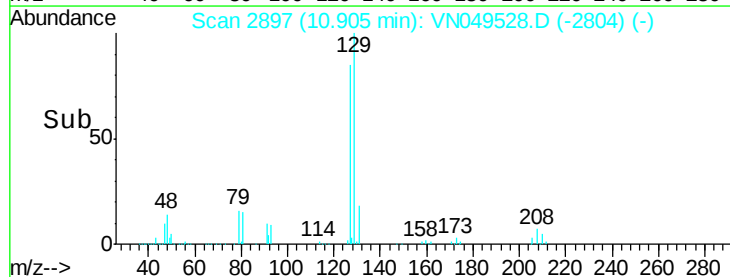
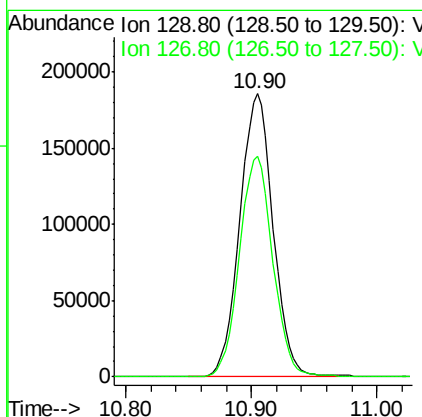
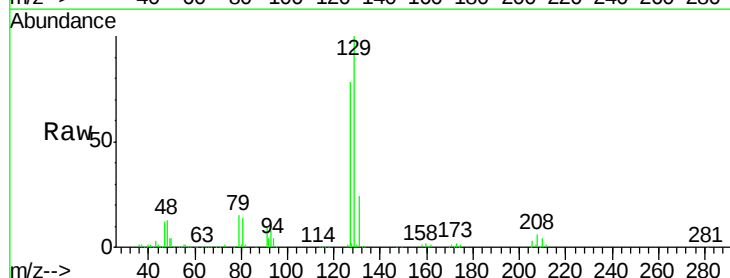
Manual Integrations
APPROVED

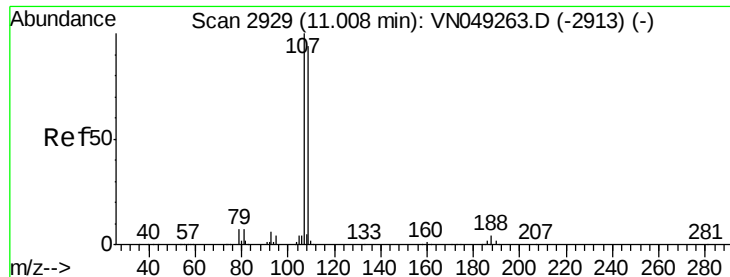
apatel
6/26/2018 5:14:37 PM



#60
Dibromochloromethane
Concen: 18.73 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2





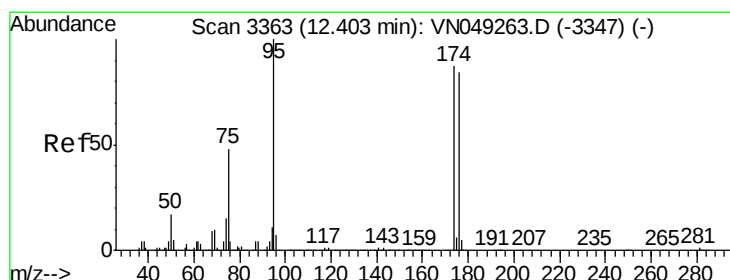
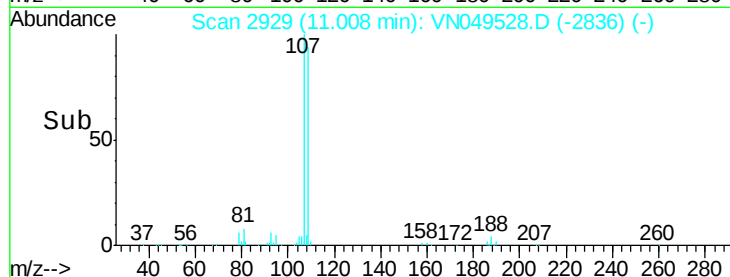
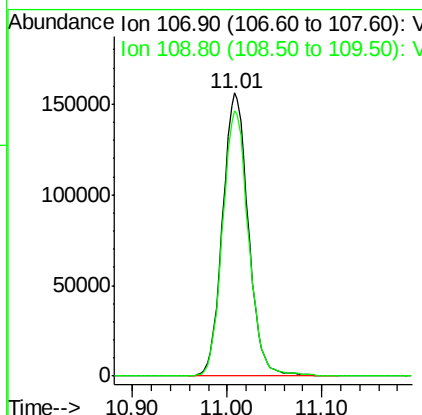
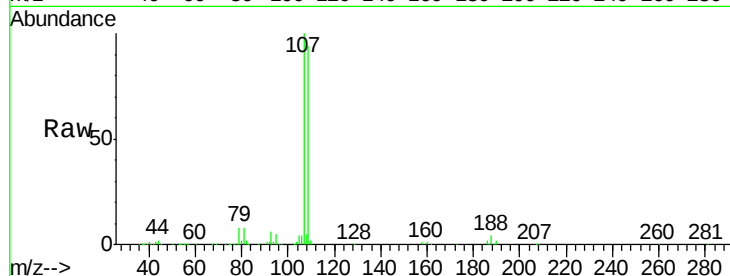
#61
 1,2-Dibromoethane
 Concen: 19.36 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.2

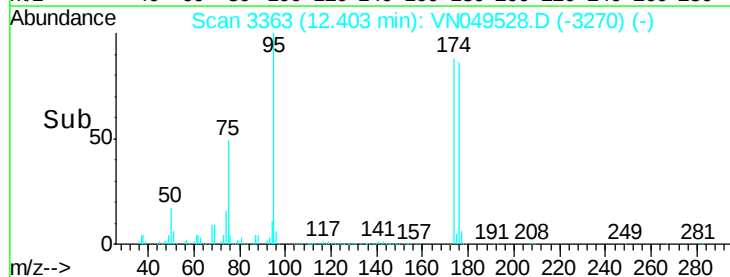
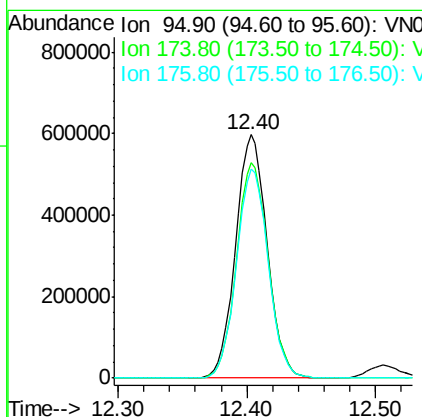
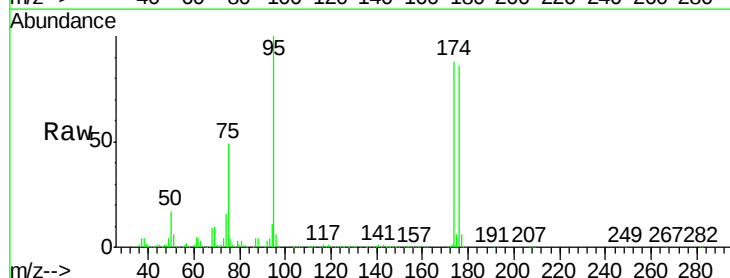
Manual Integrations
 APPROVED

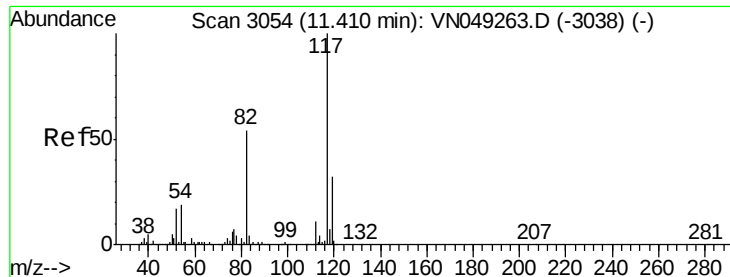
apatel
 6/26/2018 5:14:37 PM



#62
 4-Bromofluorobenzene
 Concen: 46.63 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	165.6
176	86.6	0.0	157.4





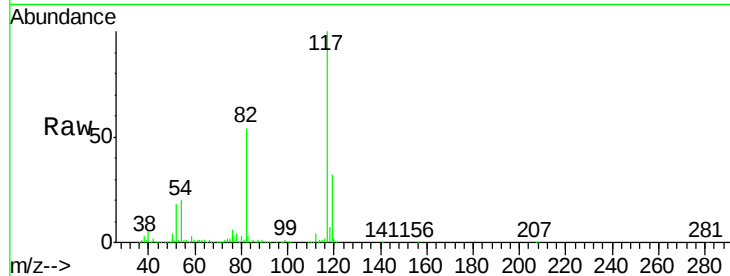
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.9	68.9
119	32.1	25.5	38.3

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM

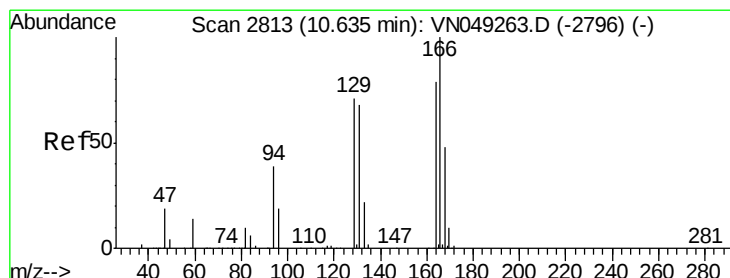
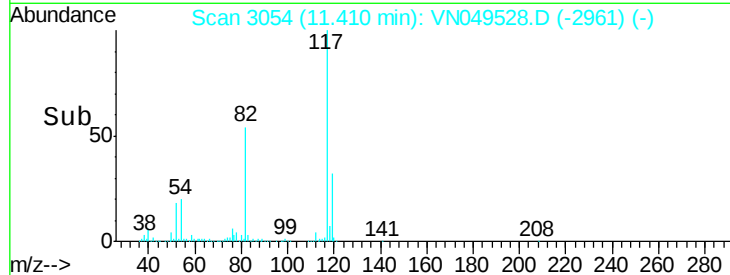
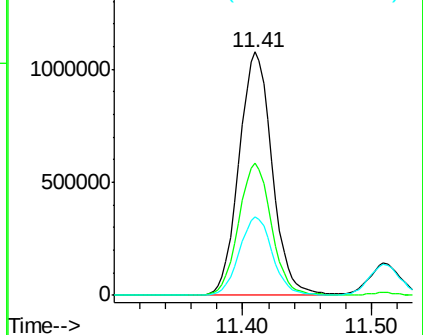


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.07 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	101.4	152.2
129	89.7	74.1	111.1
131	85.3	73.7	110.5

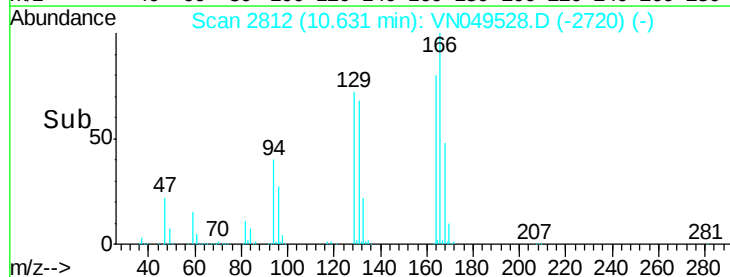
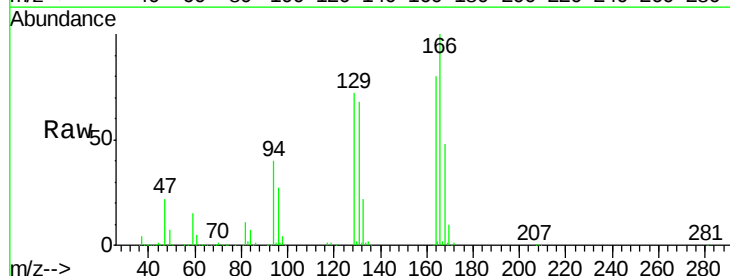
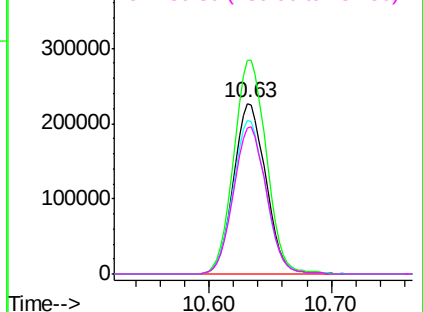
Abundance

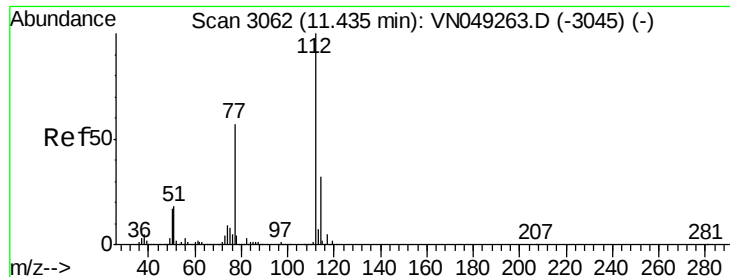
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.54 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampled :

VN0625MBS01

Tot Ion:112 Resp: 920222

Ion Ratio Lower Upper

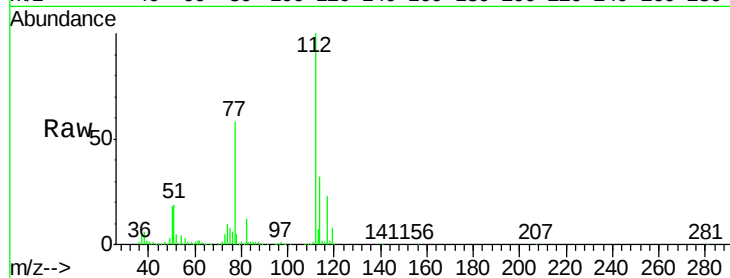
112 100

114 31.6 26.2 39.4

Manual Integrations
APPROVED

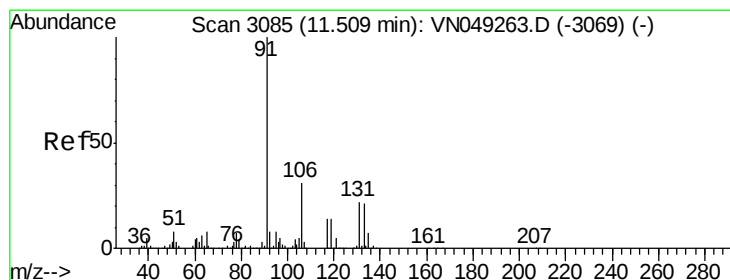
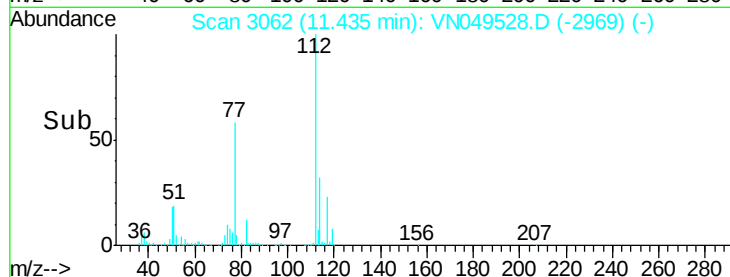
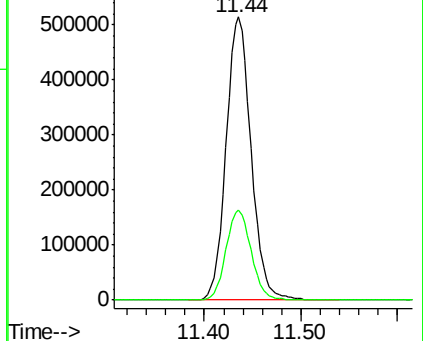
apatel

6/26/2018 5:14:37 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.85 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

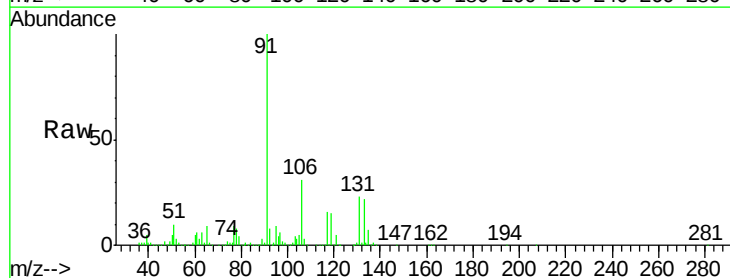
Tgt Ion:131 Resp: 352086

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.2

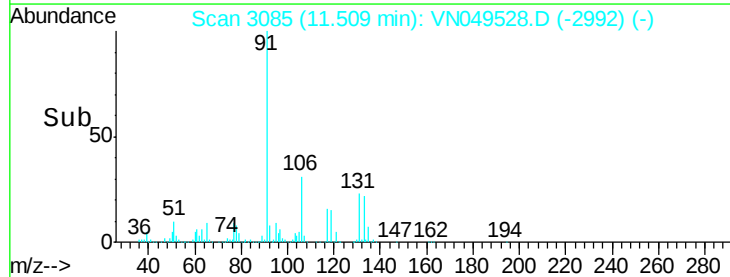
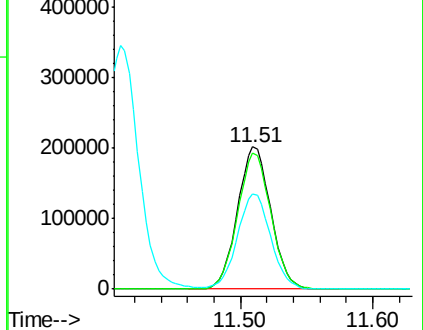
119 67.3 33.6 100.8

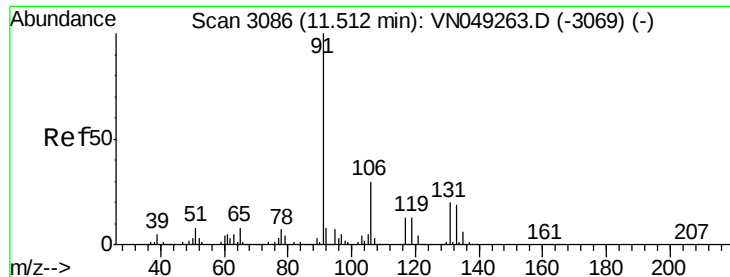


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





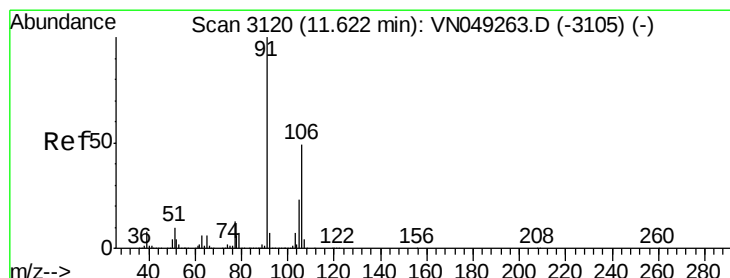
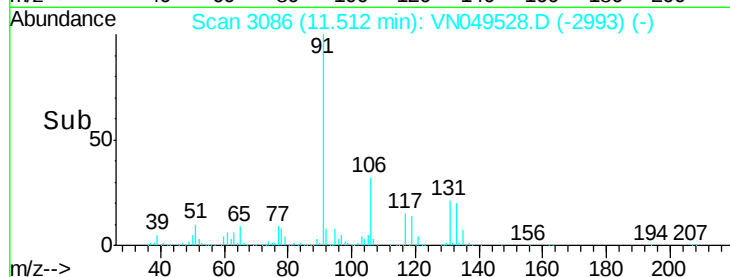
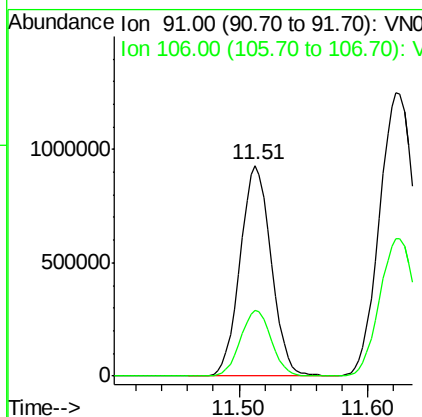
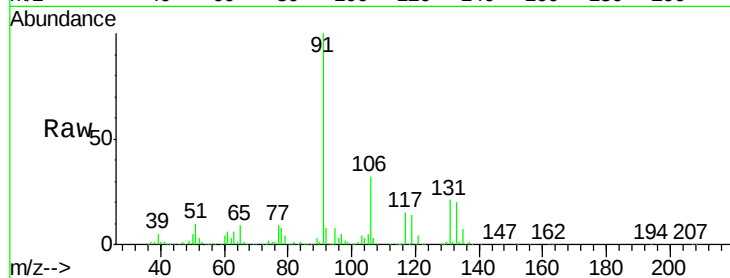
#67
Ethyl Benzene
Concen: 18.95 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampled :
VN0625MBS01

Tot Ion: 91 Resp: 1559899
Ion Ratio Lower Upper
91 100
106 31.6 23.9 35.9

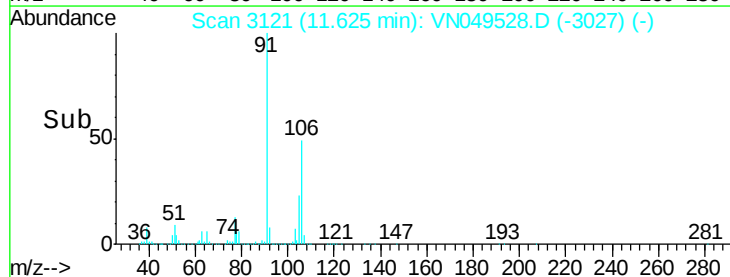
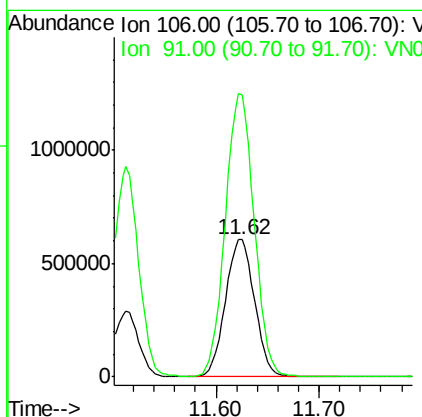
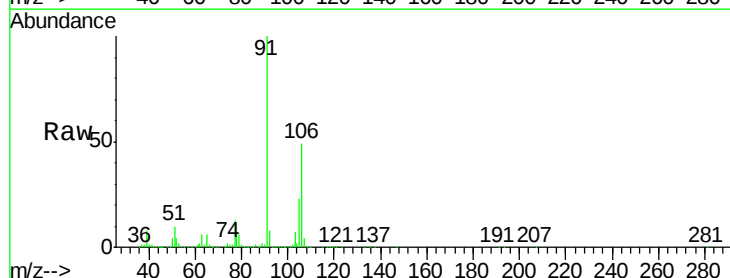
Manual Integrations
APPROVED

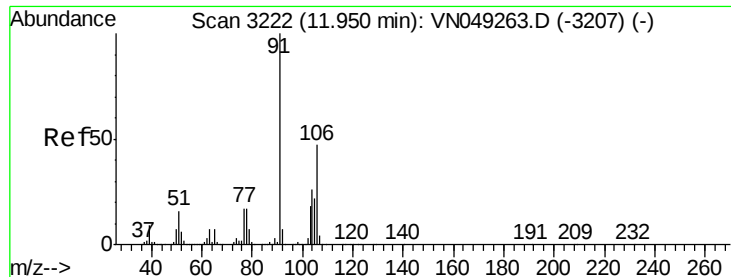
apatel
6/26/2018 5:14:37 PM



#68
m/p-Xylenes
Concen: 38.61 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion: 106 Resp: 1192794
Ion Ratio Lower Upper
106 100
91 204.4 167.3 250.9





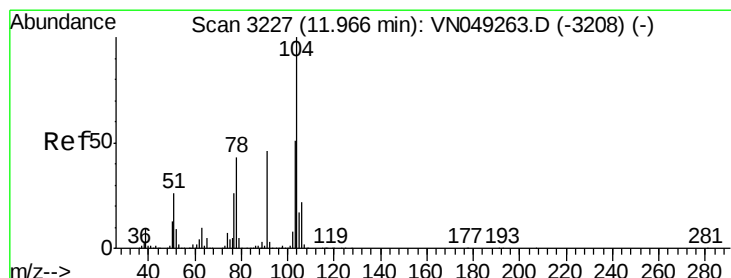
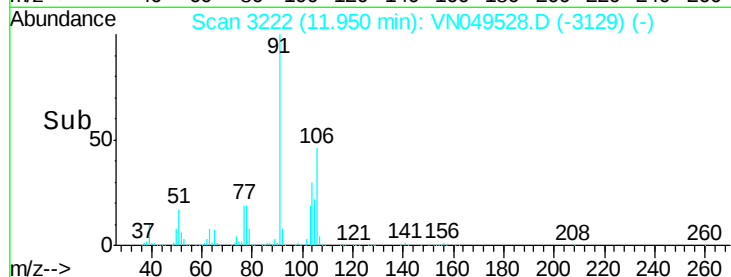
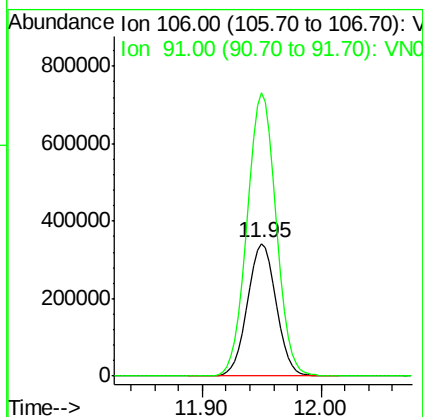
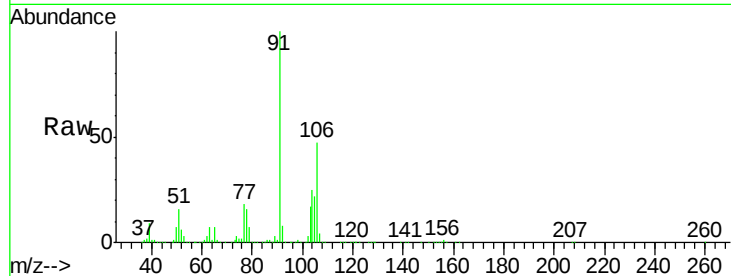
#69
o-Xylene
Concen: 19.29 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampled :
VN0625MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		574045		
91	215.8	111.0	333.0		

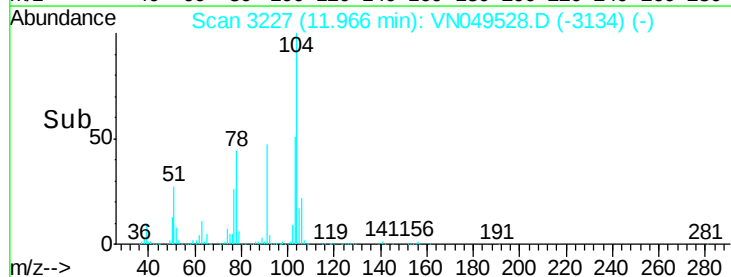
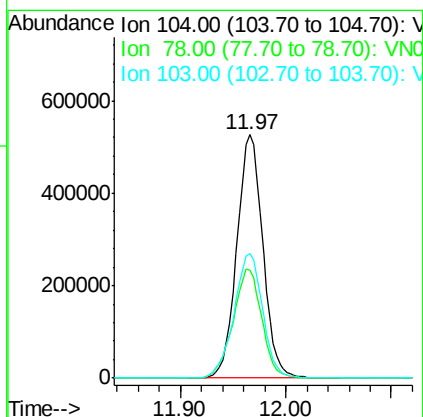
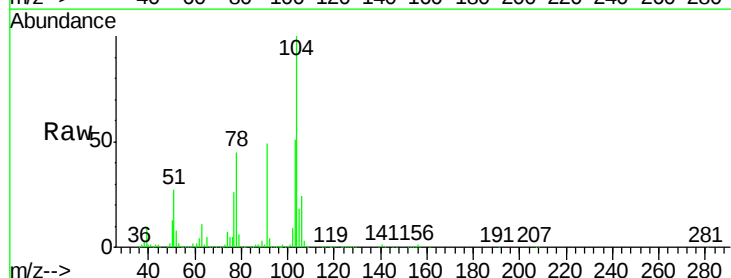
Manual Integrations
APPROVED

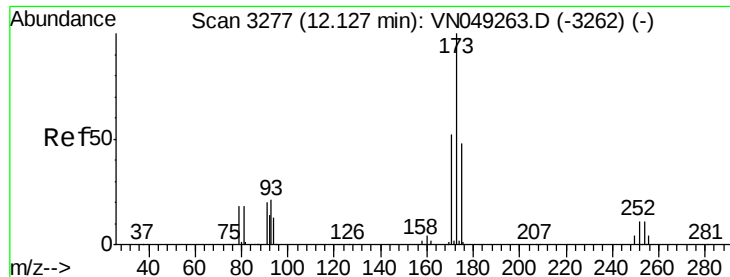
apatel
6/26/2018 5:14:37 PM



#70
Styrene
Concen: 19.20 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		901014		
78	49.2	41.6	62.4		
103	56.2	45.4	68.2		





#71

Bromoform

Concen: 19.00 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

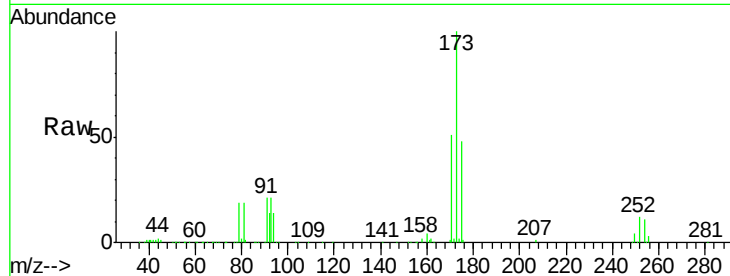
ClientSampleId :

VN0625MBS01

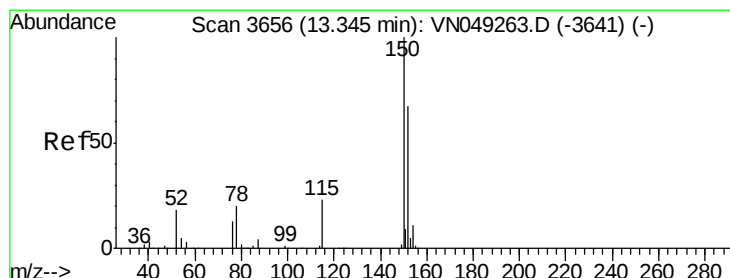
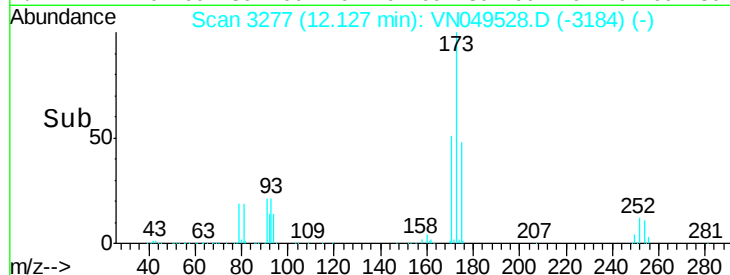
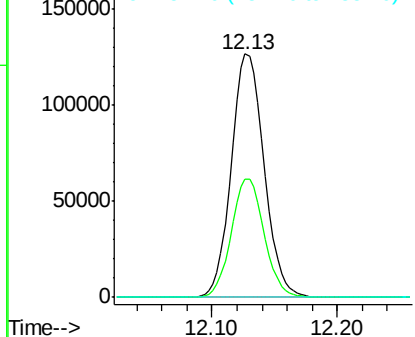
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.1	0.1	0.1#

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

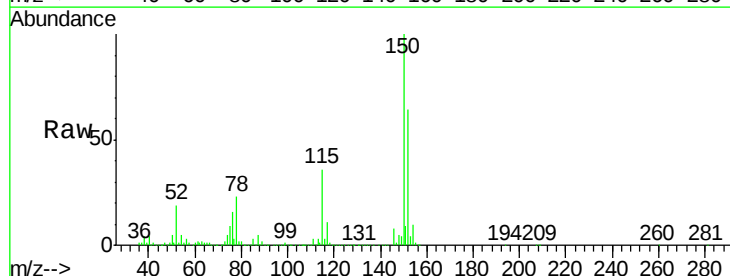
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

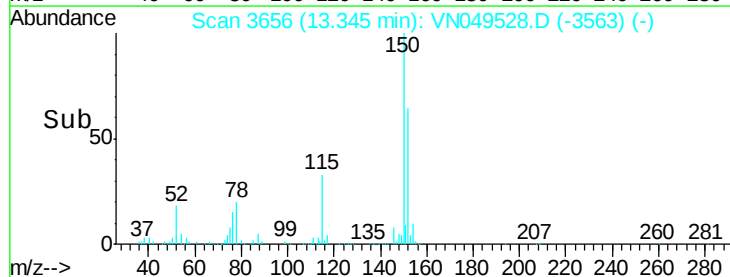
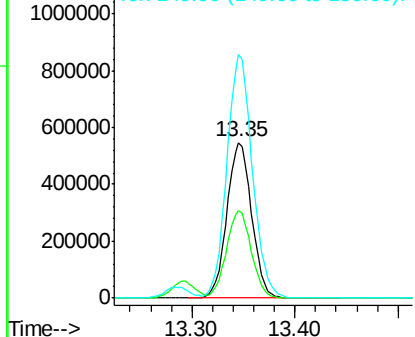
Lab File: VN049528.D

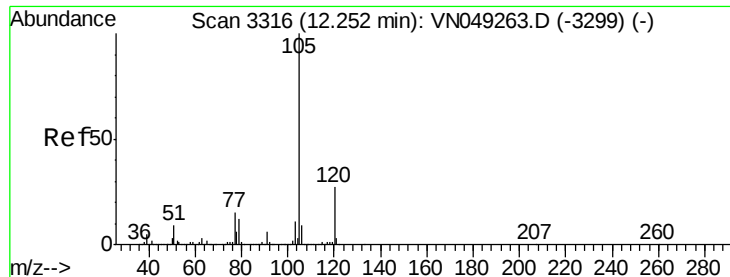
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.7	86.1
150	161.9	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.93 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBS01

Tot Ion:105 Resp: 1512934

Ion Ratio Lower Upper

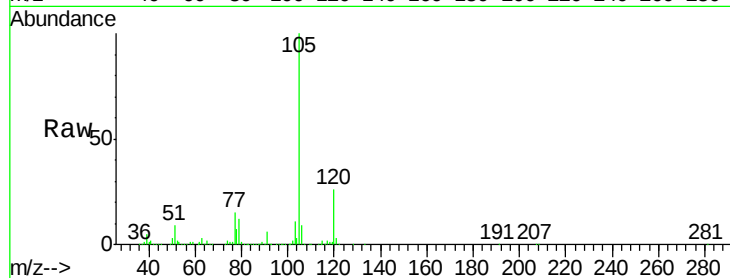
105 100

120 26.9 12.8 38.3

Manual Integrations
APPROVED

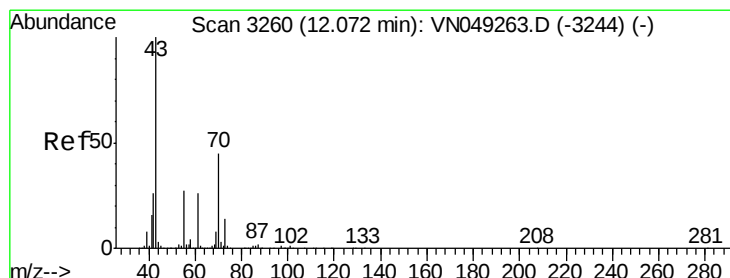
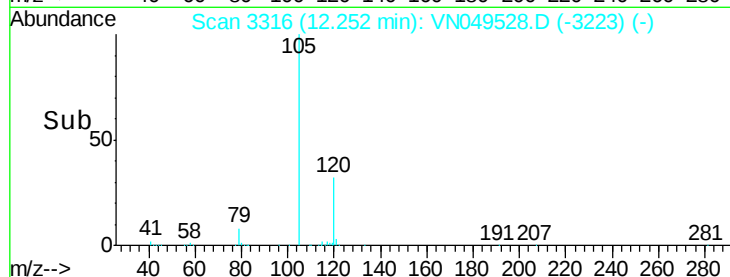
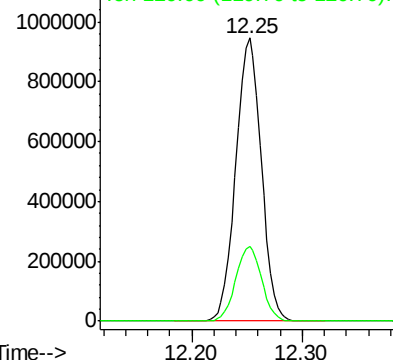
apatel

6/26/2018 5:14:37 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.93 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion: 43 Resp: 351015

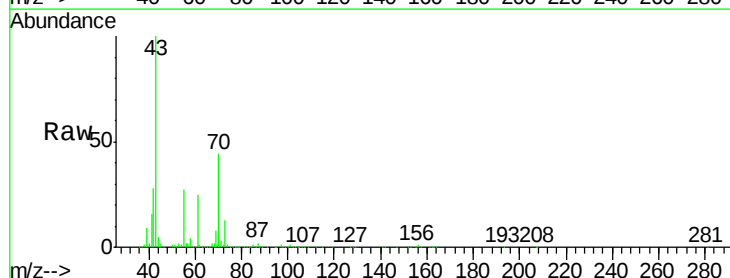
Ion Ratio Lower Upper

43 100

70 44.1 30.3 45.5

55 27.3 19.4 29.2

61 24.9 17.8 26.6

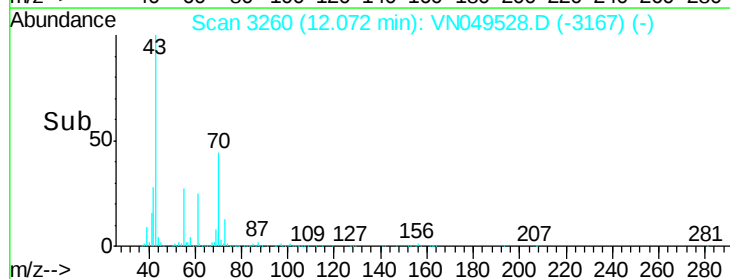
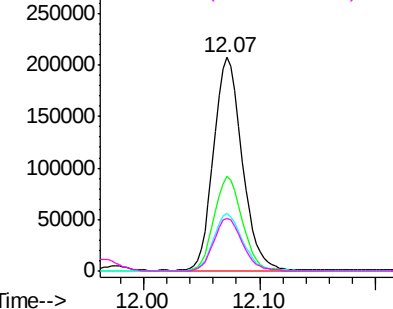


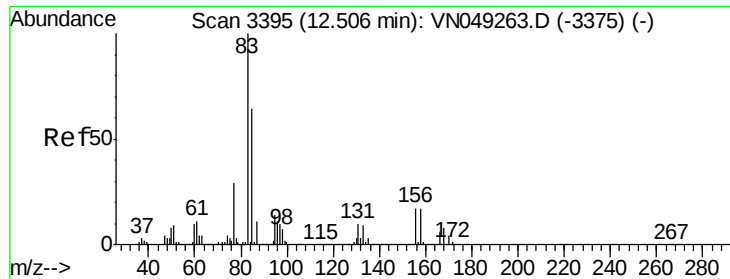
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.83 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

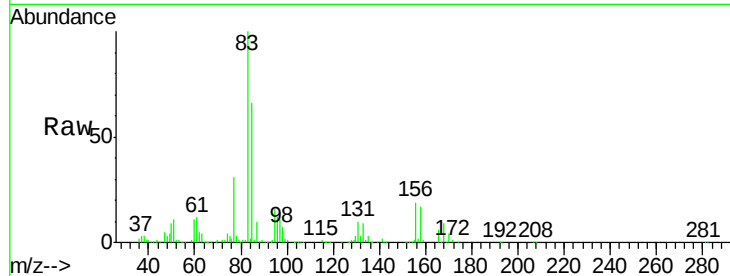
ClientSampleId :

VN0625MBS01

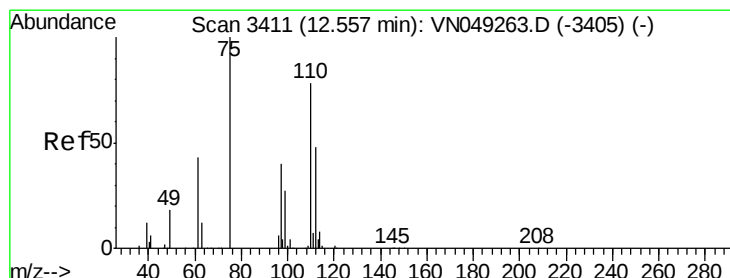
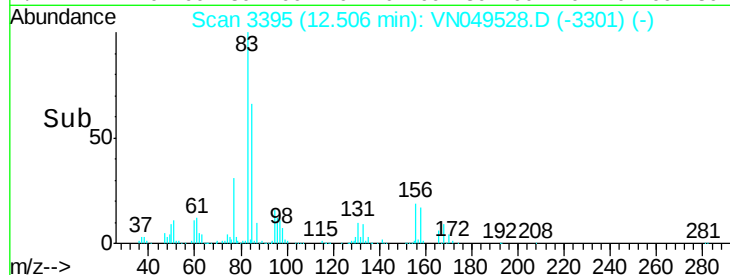
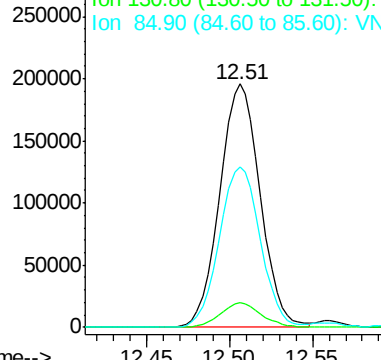
Tot Ion:	83	Resp:	332591
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	66.8	32.0	96.0

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049528.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 20.50 ug/l m

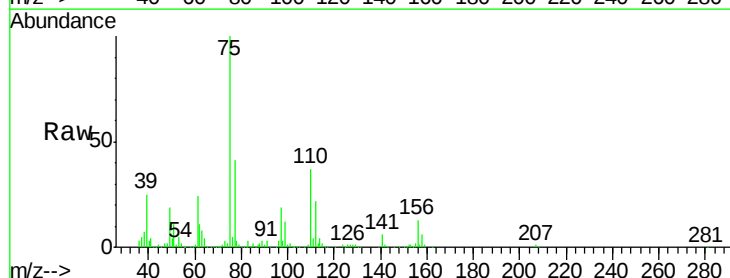
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

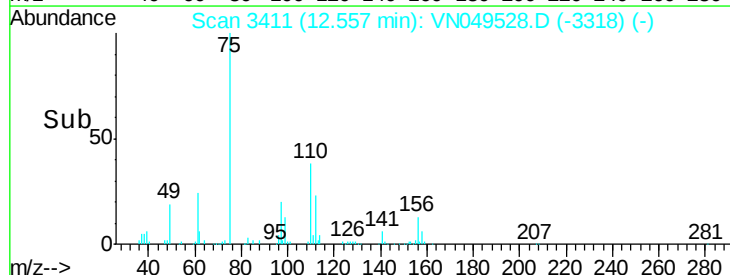
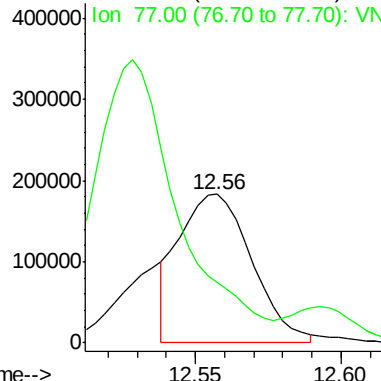
Lab File: VN049528.D

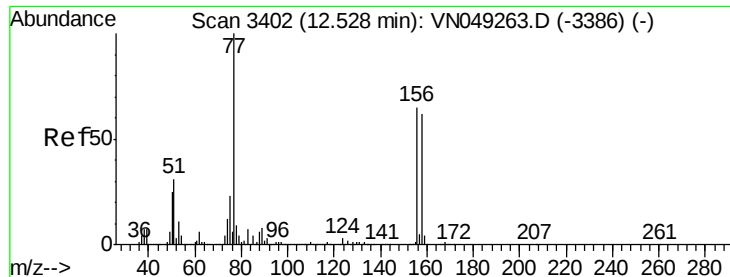
Acq: 25 Jun 2018 22:47

Tgt Ion:	75	Resp:	318430
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049528.D (-3318) (-)





#77

Bromobenzene

Concen: 21.99 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

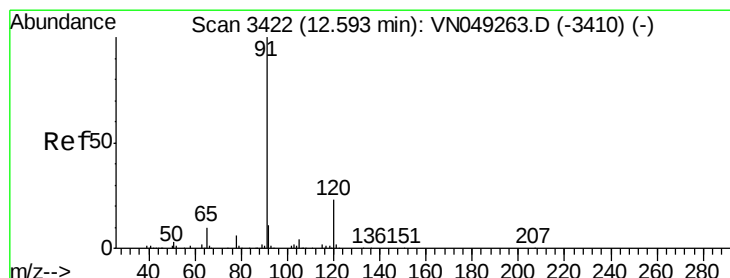
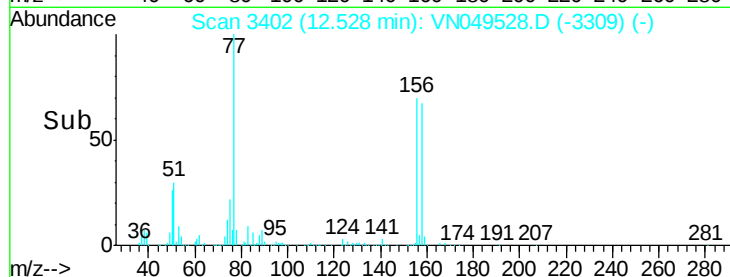
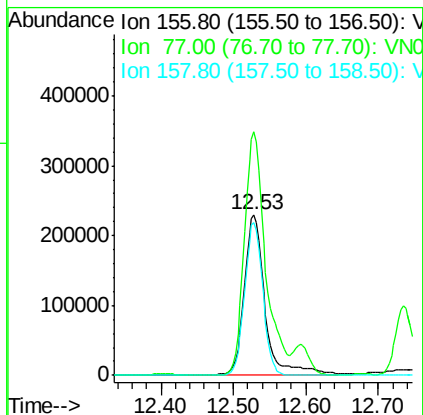
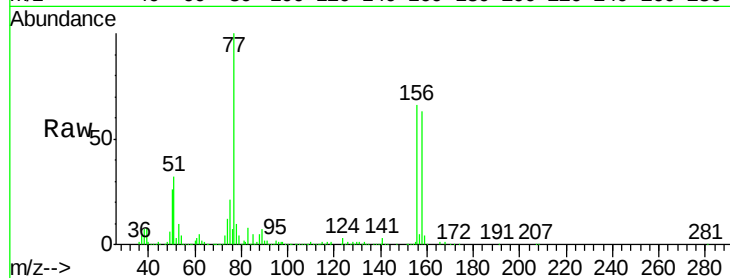
ClientSampleId :

VN0625MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.0	100.8	302.4
158	81.9	49.3	147.9

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#78

n-propylbenzene

Concen: 19.38 ug/l

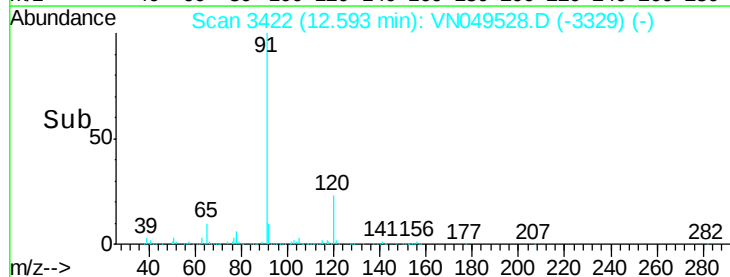
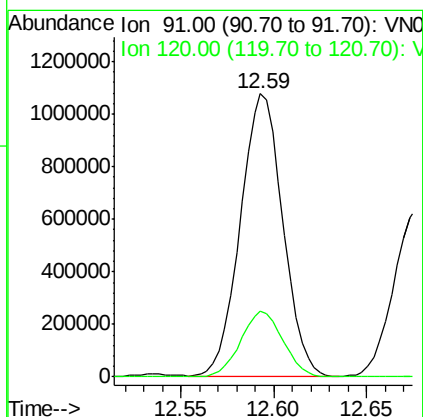
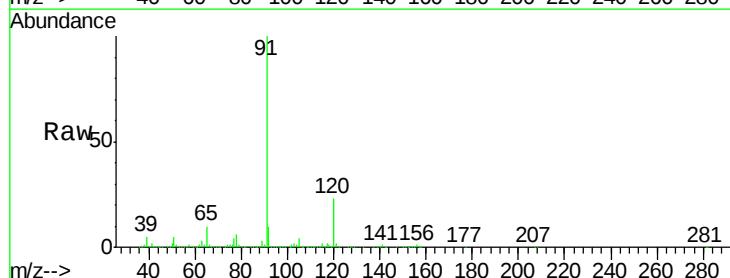
RT: 12.59 min Scan# 3422

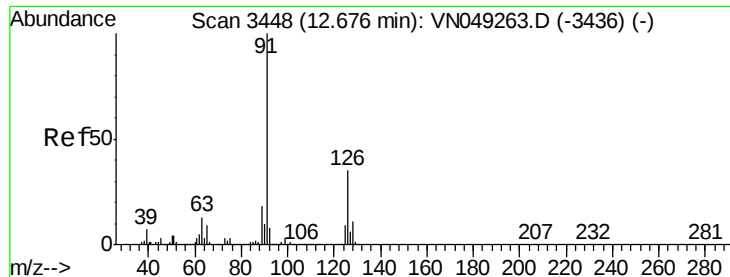
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 18.90 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBS01

Tot Ion: 91 Resp: 1050988

Ion Ratio Lower Upper

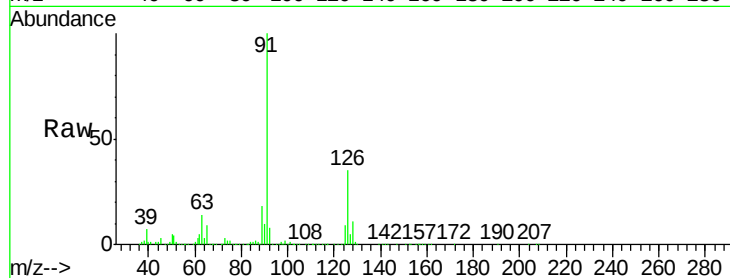
91 100

126 35.1 16.6 49.8

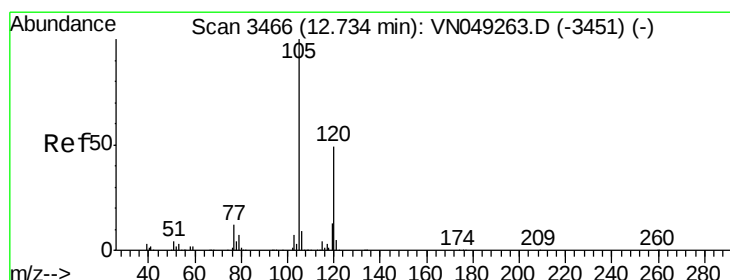
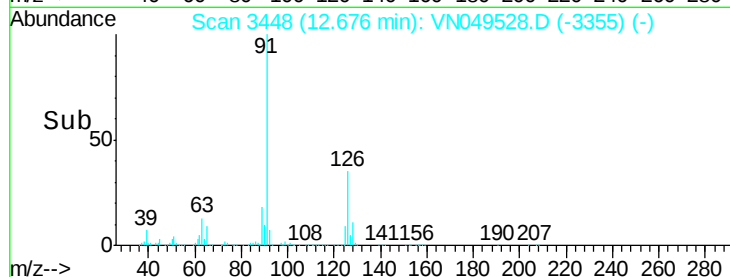
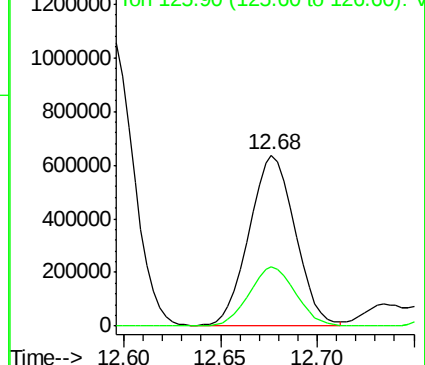
Manual Integrations
APPROVED

apatel

6/26/2018 5:14:37 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.91 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049528.D

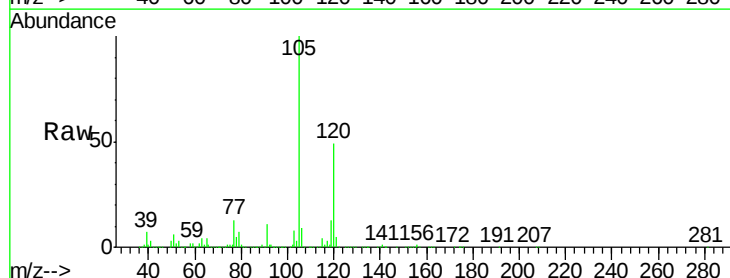
Acq: 25 Jun 2018 22:47

Tgt Ion: 105 Resp: 1250745

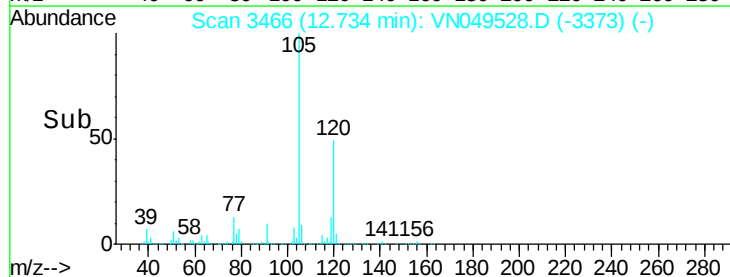
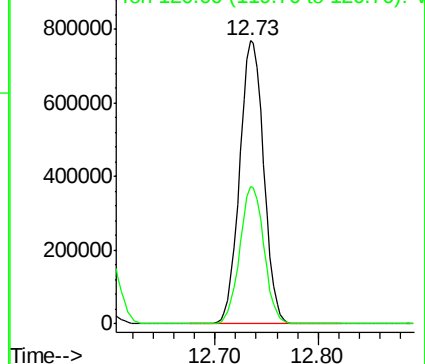
Ion Ratio Lower Upper

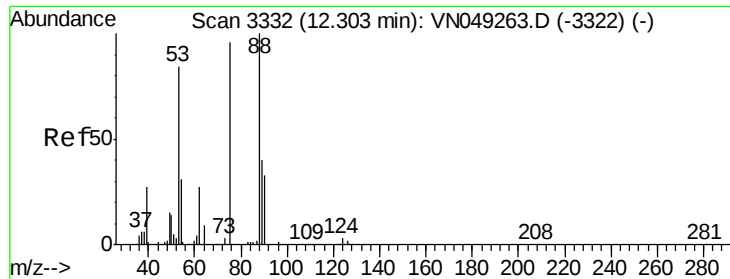
105 100

120 48.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.64 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

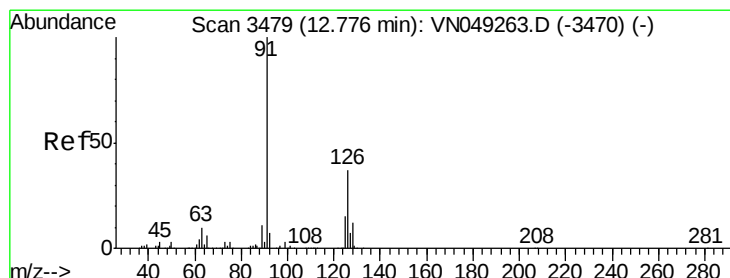
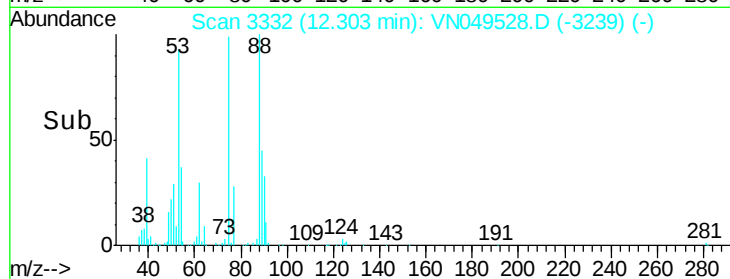
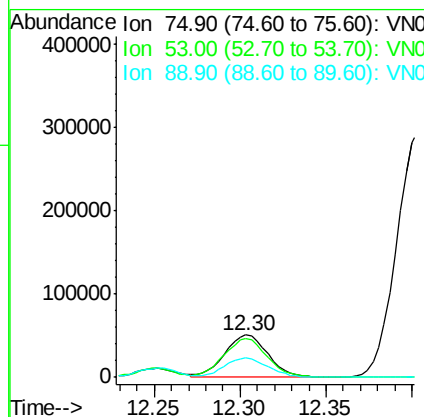
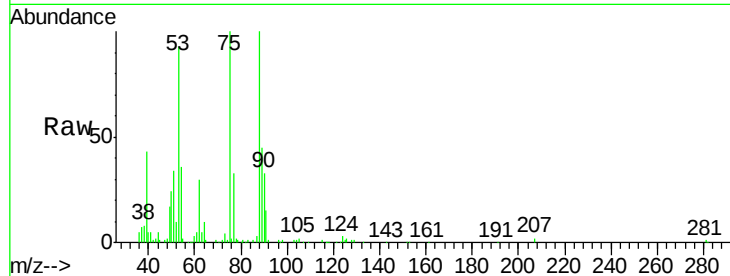
ClientSampleId :

VN0625MBS01

Tot Ion:	75	Resp:	86691
Ion	Ratio	Lower	Upper
75	100		
53	93.9	82.7	124.1
89	47.7	36.5	54.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#82

4-Chlorotoluene

Concen: 19.15 ug/l

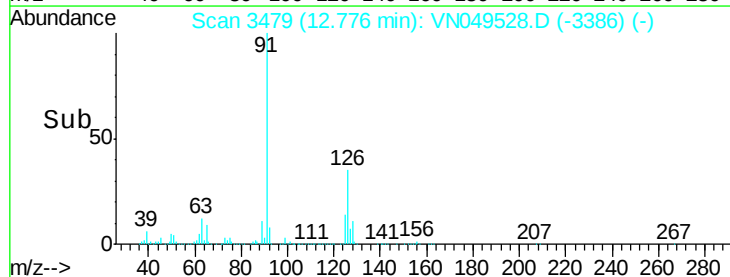
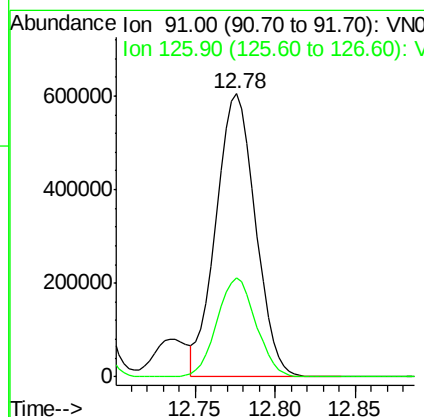
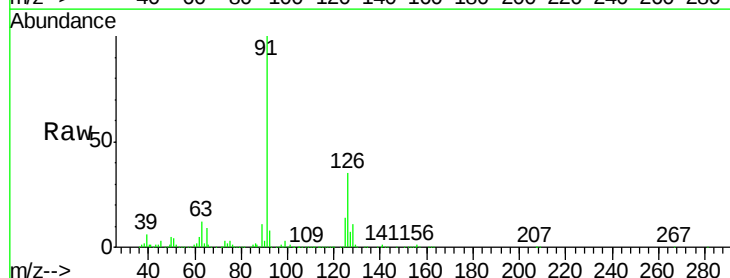
RT: 12.78 min Scan# 3479

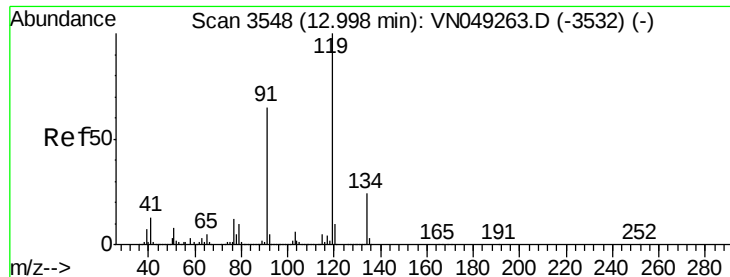
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion:	91	Resp:	1027501
Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.4	49.1





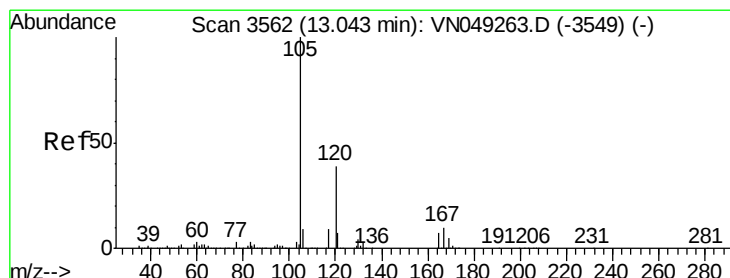
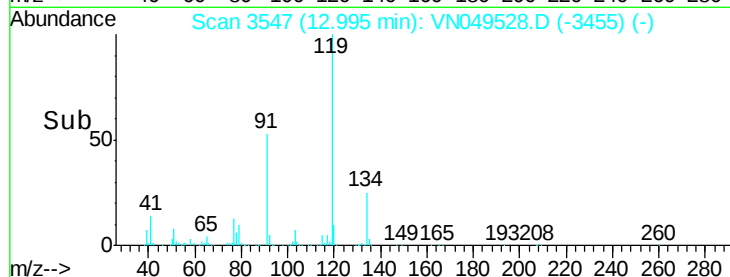
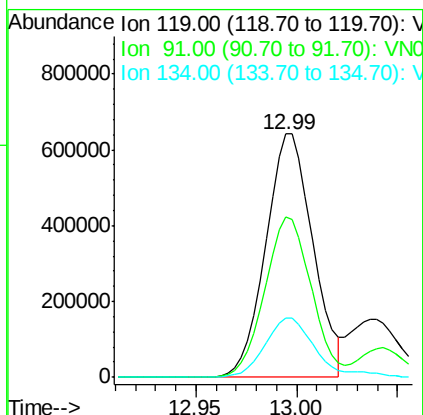
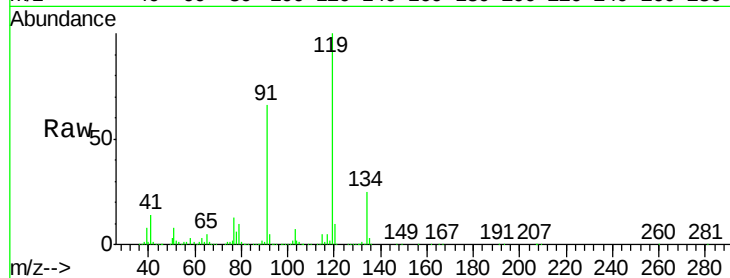
#83
tert-Butylbenzene
Concen: 18.73 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion:119 Resp: 1042737
Ion Ratio Lower Upper
119 100
91 64.8 33.7 101.0
134 26.4 12.9 38.6

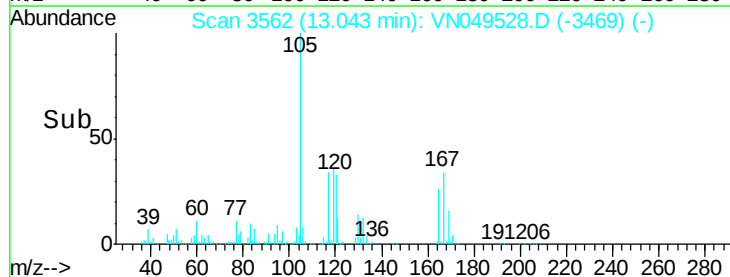
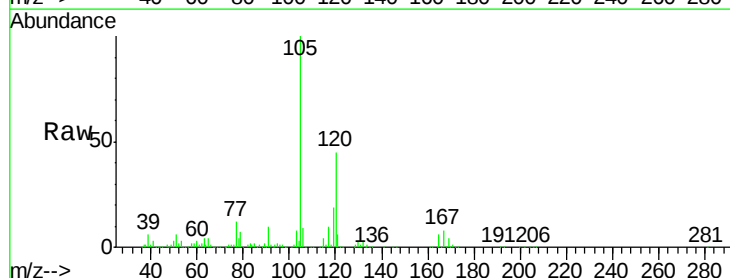
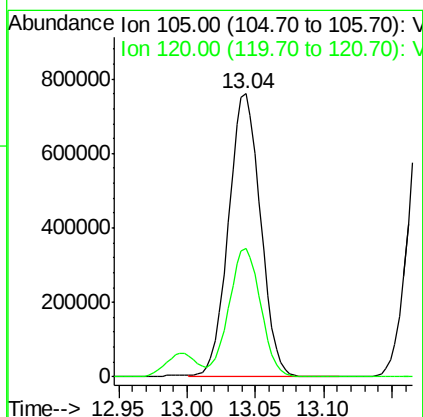
Manual Integrations
APPROVED

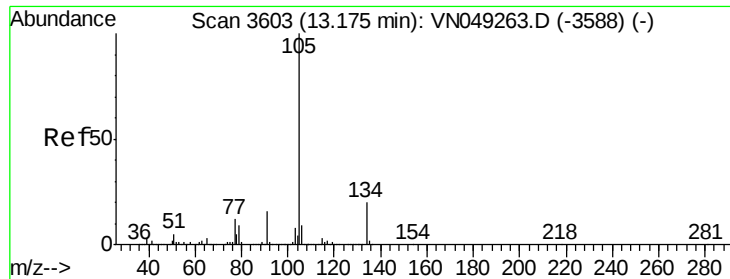
apatel
6/26/2018 5:14:37 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.80 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion:105 Resp: 1235773
Ion Ratio Lower Upper
105 100
120 45.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.69 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

ClientSampled :

VN0625MBS01

Tot Ion:105 Resp: 1384936

Ion Ratio Lower Upper

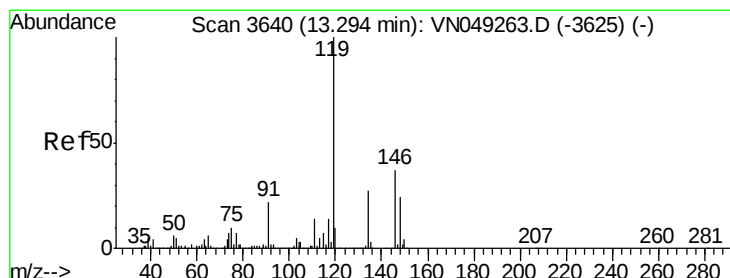
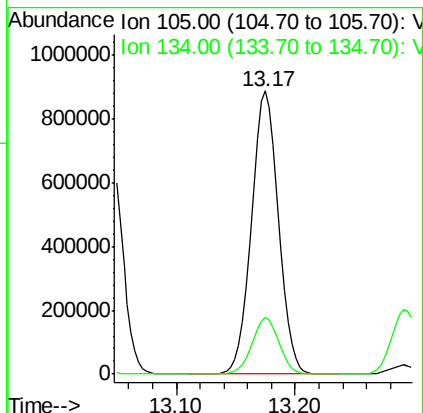
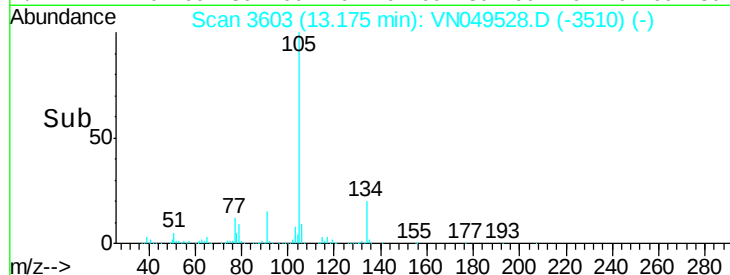
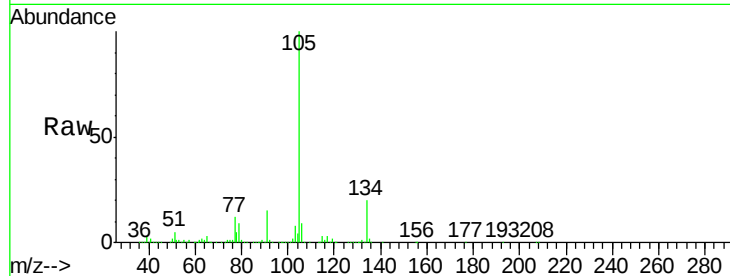
105 100

134 20.1 9.8 29.3

Manual Integrations
APPROVED

apatel

6/26/2018 5:14:37 PM



#86

p-Isopropyltoluene

Concen: 18.86 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

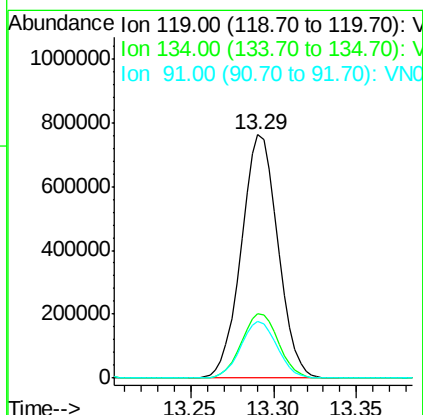
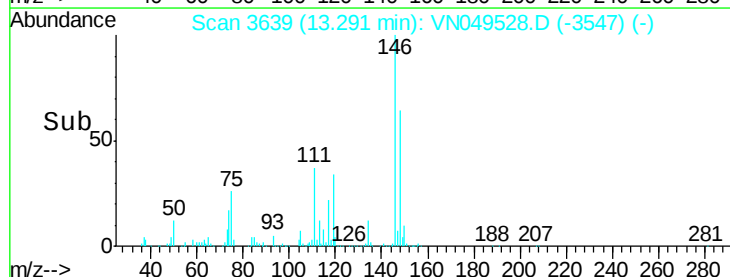
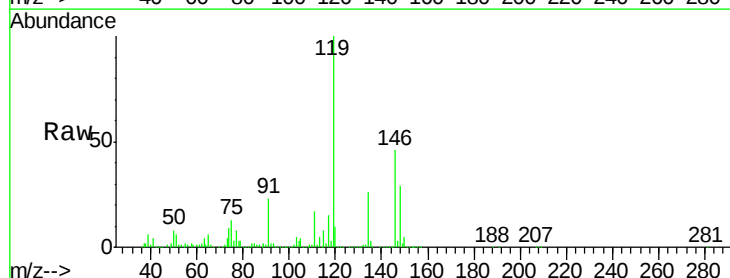
Tgt Ion:119 Resp: 1167746

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

91 23.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 18.50 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

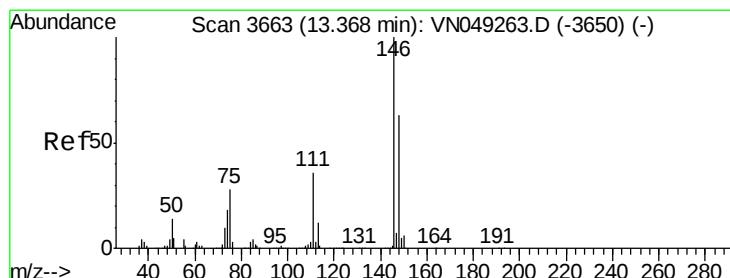
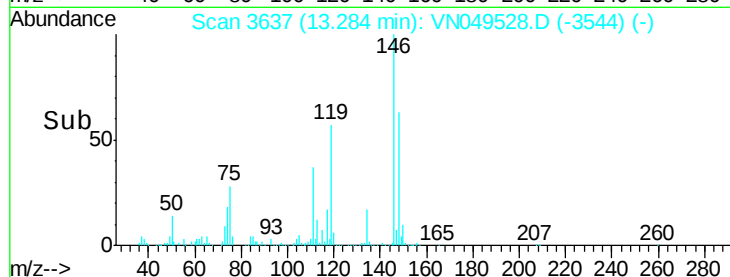
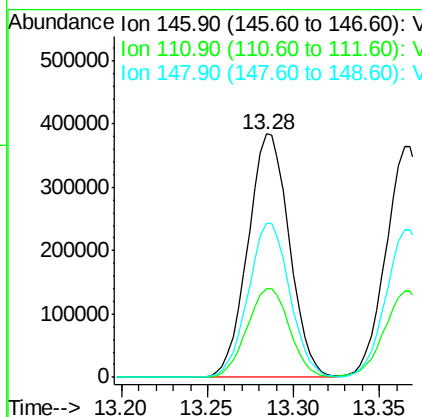
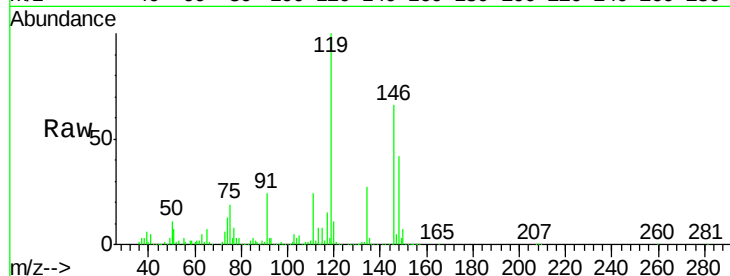
ClientSampleId :

VN0625MBS01

Tot Ion:	146	Resp:	642733
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.9	59.6
148	63.7	32.1	96.5

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#88

1,4-Dichlorobenzene

Concen: 17.91 ug/l

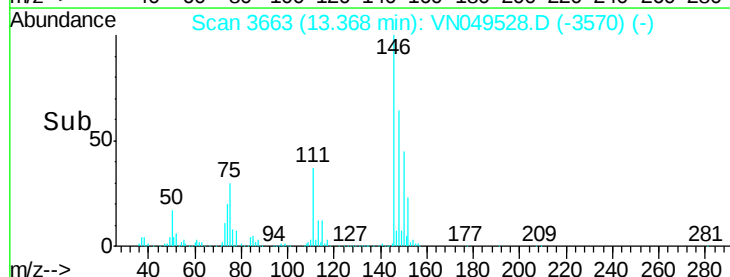
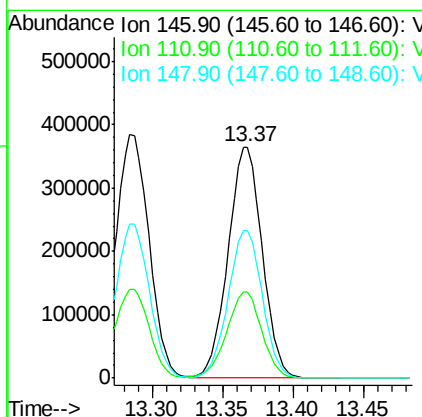
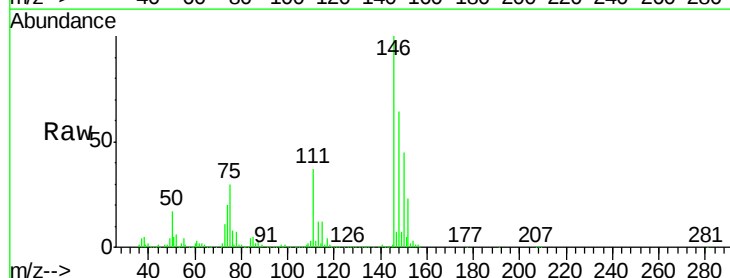
RT: 13.37 min Scan# 3663

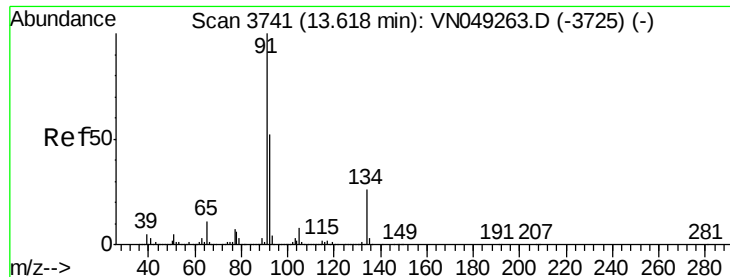
Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Tgt Ion:	146	Resp:	616543
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.1
148	64.4	32.0	96.2





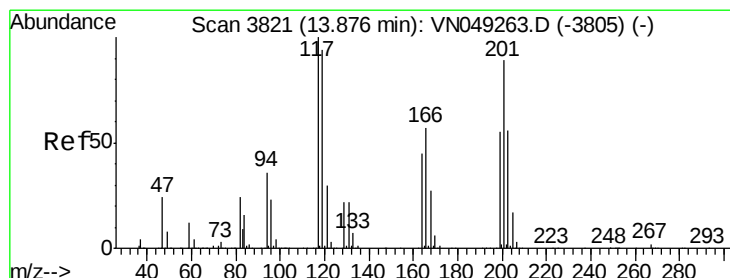
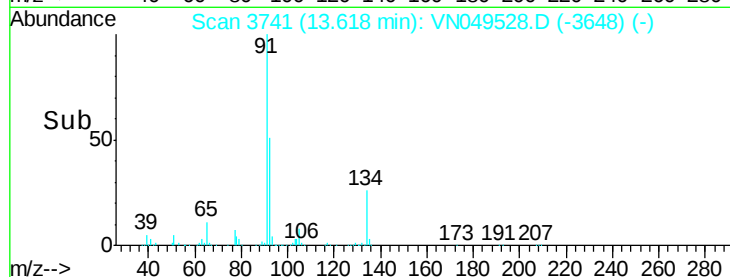
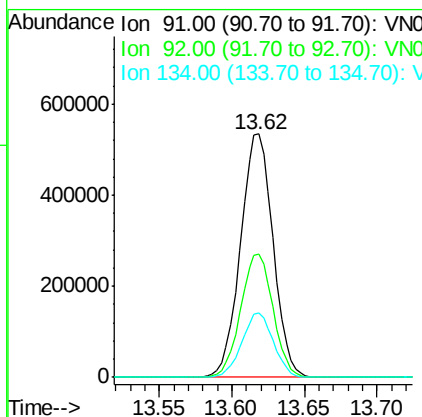
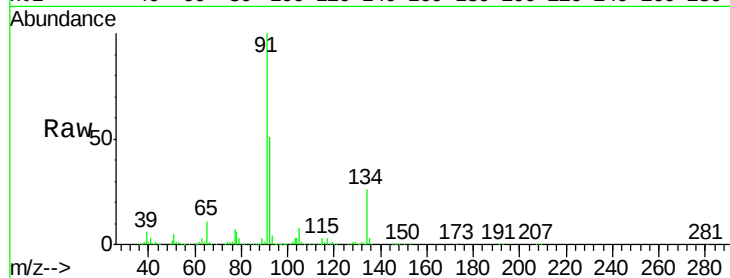
#89
n-Butylbenzene
Concen: 17.22 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.1	75.4
134	25.7	12.0	36.0

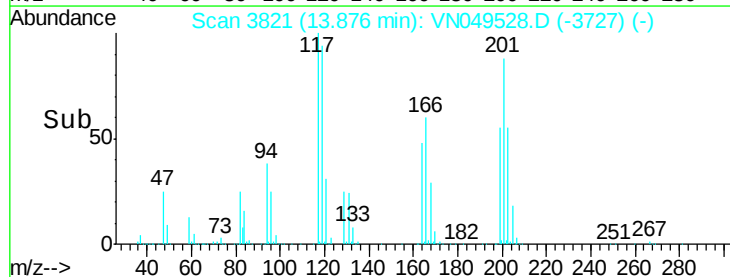
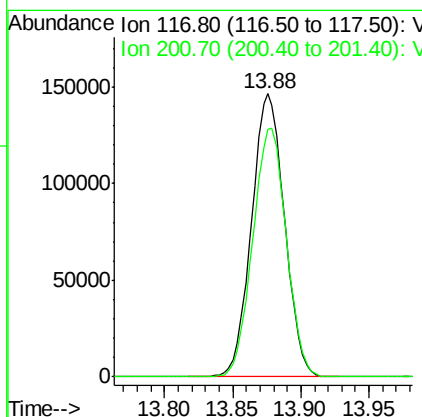
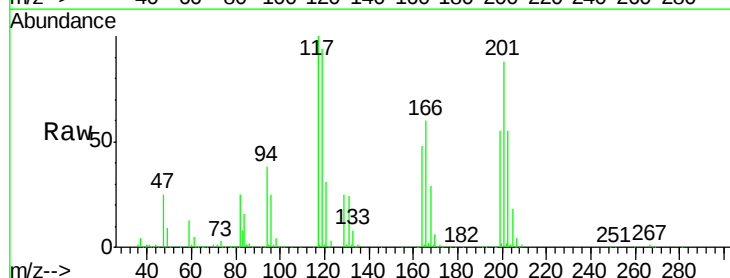
Manual Integrations
APPROVED

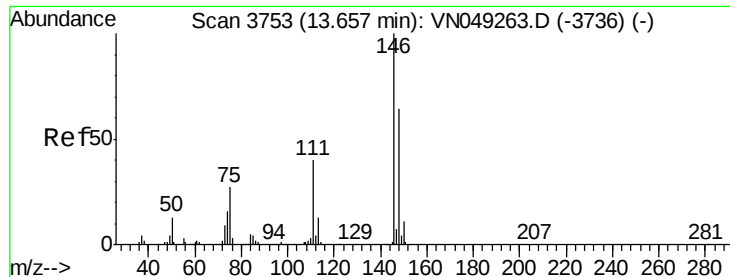
apatel
6/26/2018 5:14:37 PM



#90
Hexachloroethane
Concen: 19.81 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 18.47 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049528.D

Acq: 25 Jun 2018 22:47

Instrument :

MSVOA_N

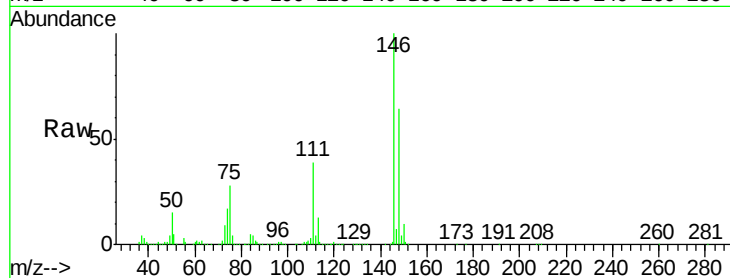
ClientSampleId :

VN0625MBS01

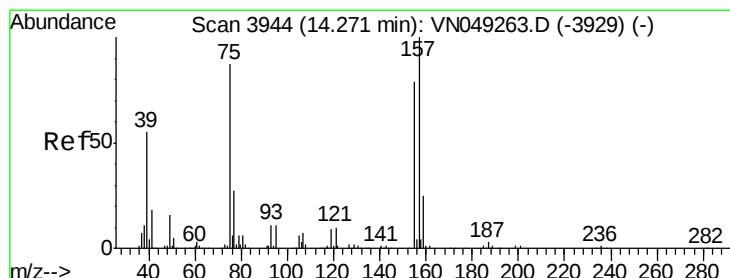
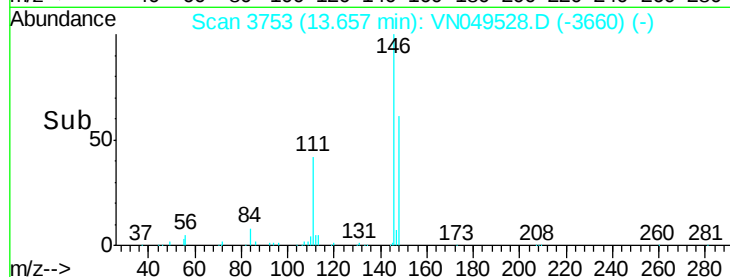
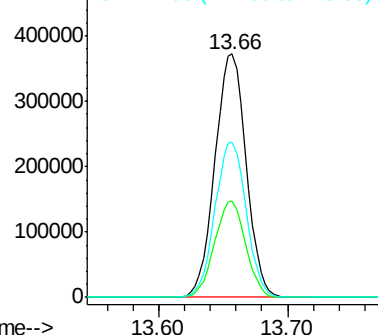
Tot Ion:	146	Resp:	629115
Ion Ratio		Lower	Upper
146	100		
111	39.5	20.8	62.2
148	63.9	32.0	96.2

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.27 ug/l

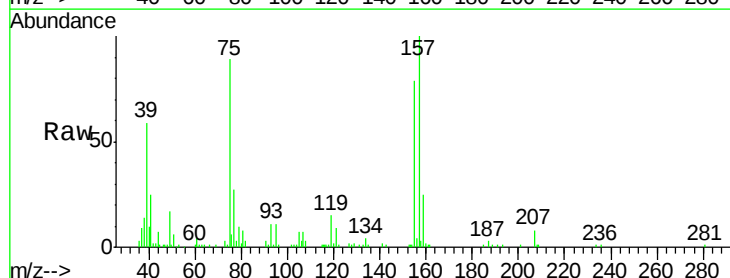
RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

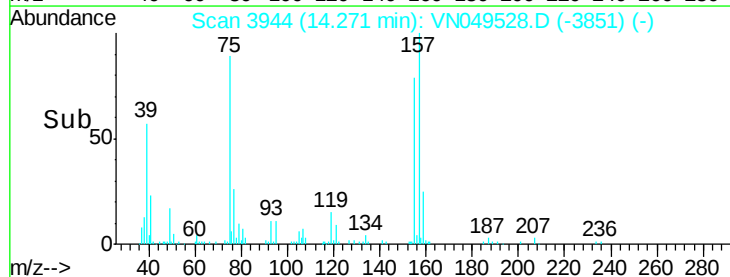
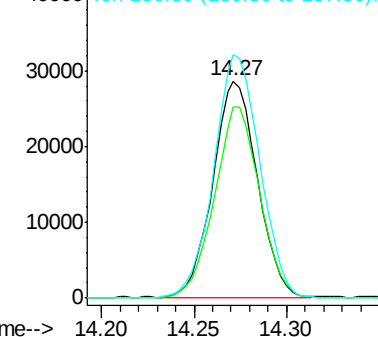
Lab File: VN049528.D

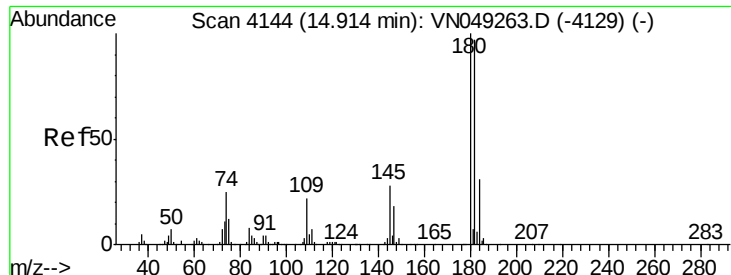
Acq: 25 Jun 2018 22:47

Tgt Ion:	75	Resp:	48074
Ion Ratio		Lower	Upper
75	100		
155	89.2	38.8	116.3
157	115.6	51.0	153.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





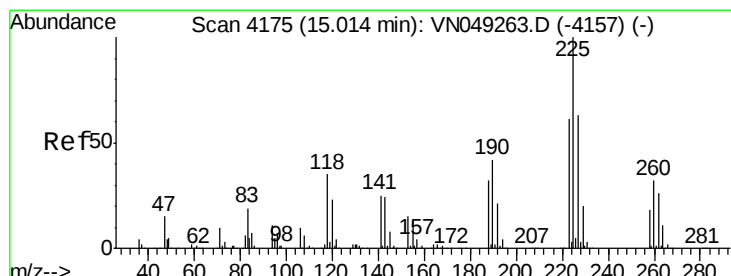
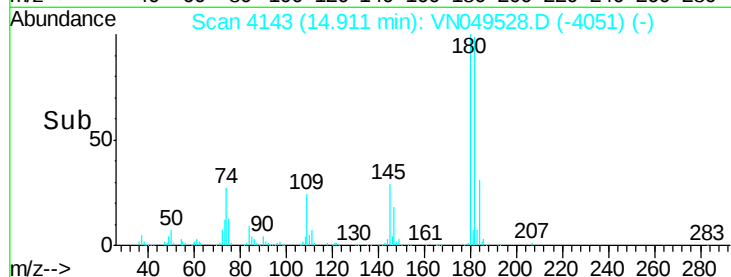
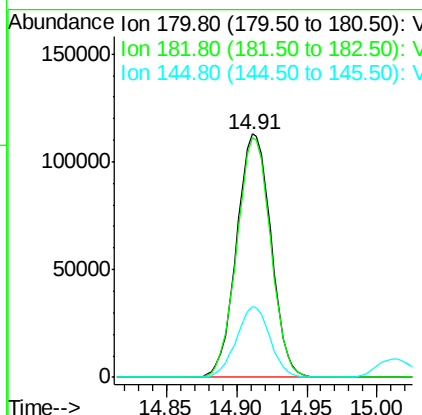
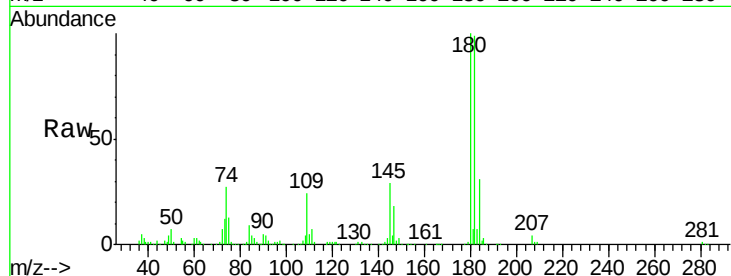
#93
 1,2,4-Trichlorobenzene
 Concen: 15.95 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	193318		
182	97.0	46.9	140.8	
145	28.3	14.7	44.1	

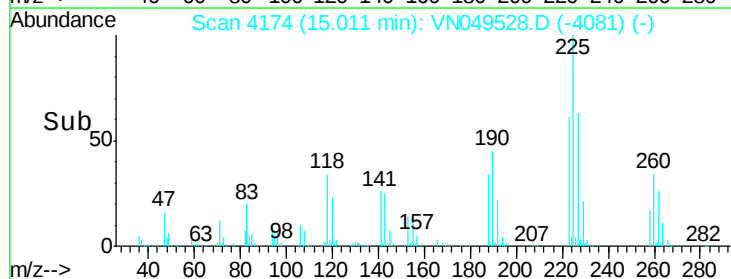
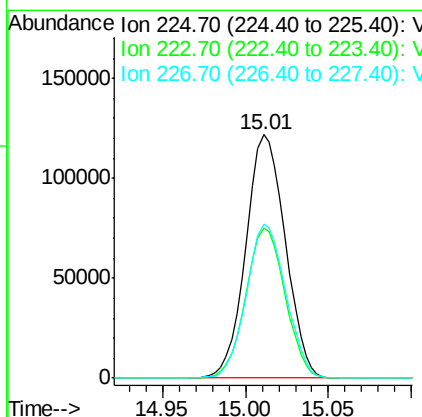
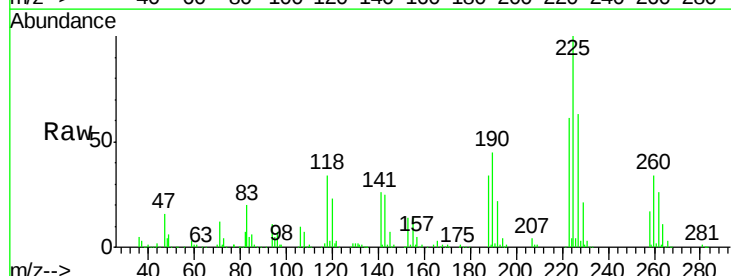
Manual Integrations
 APPROVED

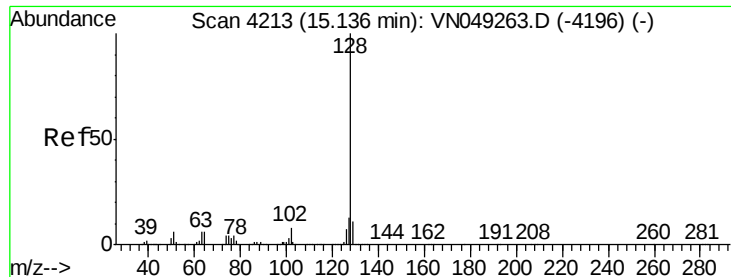
apatel
 6/26/2018 5:14:37 PM



#94
 Hexachlorobutadiene
 Concen: 18.50 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049528.D
 Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	201375		
223	61.3	32.1	96.3	
227	63.2	31.8	95.3	





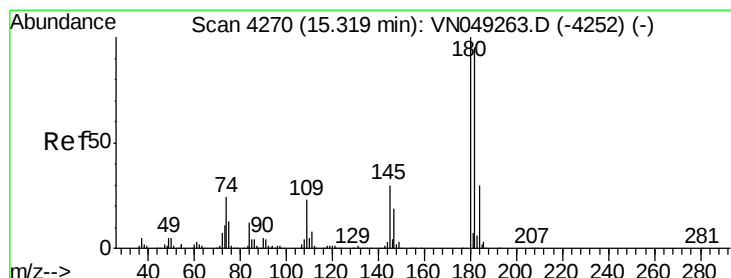
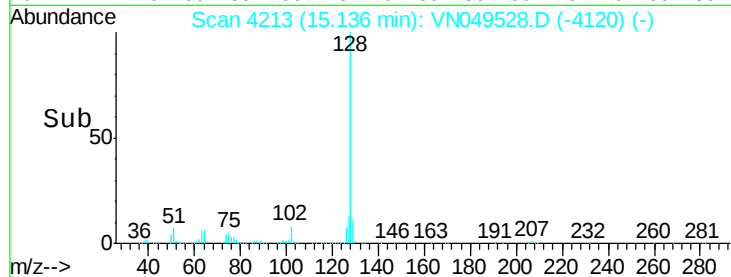
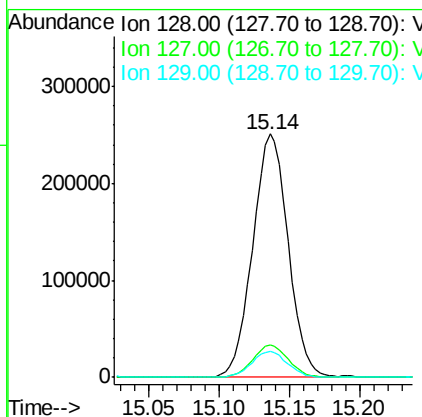
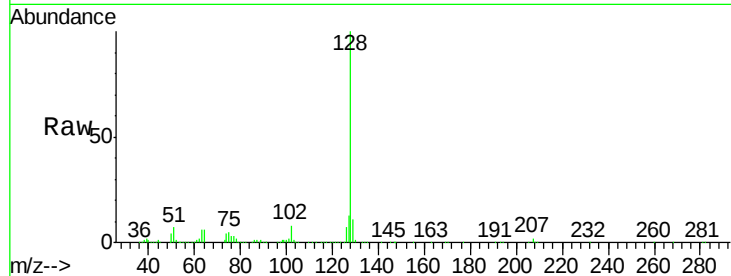
#95
Naphthalene
Concen: 18.67 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.5	12.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.79 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049528.D
Acq: 25 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.3	141.8
145	30.5	15.6	46.7

