

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049530.D
 Acq On : 26 Jun 2018 00:03
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 6/26/2018 5:14:47 PM

Quant Time: Jun 26 03:35:22 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	1474294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2167643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1994122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1013785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	956510	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	7.59	113	858920	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.09	98	3276374	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	1103512	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	659891	38.89	ug/l	100
3) Chloromethane	2.06	50	854470	39.00	ug/l	97
4) Vinyl Chloride	2.18	62	961407	41.28	ug/l	99
5) Bromomethane	2.56	94	533100	43.55	ug/l	95
6) Chloroethane	2.70	64	607859	43.78	ug/l	100
7) Trichlorofluoromethane	3.02	101	1334294	45.93	ug/l	99
8) Diethyl Ether	3.41	74	469002	46.24	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	815990	44.28	ug/l	94
10) Methyl Iodide	3.95	142	1029327	53.66	ug/l	92
11) Tert butyl alcohol	4.80	59	253388	220.78	ug/l	99
12) 1,1-Dichloroethene	3.73	96	746572	44.16	ug/l	91
13) Acrolein	3.61	56	329183	273.51	ug/l	100
14) Allyl chloride	4.32	41	1213501	45.46	ug/l	90
15) Acrylonitrile	4.99	53	1375602	239.70	ug/l	98
16) Acetone	3.82	43	959996	202.20	ug/l	94
17) Carbon Disulfide	4.05	76	2138600	40.36	ug/l	99
18) Methyl Acetate	4.33	43	724915	50.08	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	2117049	49.12	ug/l	99
20) Methylene Chloride	4.55	84	895280	45.15	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	815410	45.56	ug/l	92
22) Diisopropyl ether	5.96	45	2652270	49.76	ug/l	95
23) Vinyl Acetate	5.90	43	8452894	243.27	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1577046	46.23	ug/l	99
25) 2-Butanone	6.84	43	1462285	229.37	ug/l	95
26) 2,2-Dichloropropane	6.83	77	1160376	42.12	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	941636	47.33	ug/l	91
28) Bromochloromethane	7.20	49	745526	49.29	ug/l	84
29) Tetrahydrofuran	7.22	42	992677	241.90	ug/l	94
30) Chloroform	7.37	83	1603510	47.23	ug/l	98
31) Cyclohexane	7.65	56	1339556	46.31	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1383456	47.76	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1205084	48.51	ug/l	98
37) Ethyl Acetate	6.93	43	680664	50.40	ug/l	96
38) Carbon Tetrachloride	7.77	117	1224497	47.61	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1238021	46.42	ug/l	96
40) Benzene	8.04	78	3641107	47.81	ug/l	99
41) Methacrylonitrile	7.17	41	319144	43.71	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1135835	48.27	ug/l	96
43) Isopropyl Acetate	8.17	43	1280258	49.61	ug/l	95
44) Trichloroethene	8.84	130	987737	49.11	ug/l	91
45) 1,2-Dichloropropane	9.12	63	959970	48.14	ug/l	100
46) Dibromomethane	9.21	93	563987	48.77	ug/l	92
47) Bromodichloromethane	9.40	83	1245839	49.03	ug/l	97
48) Methyl methacrylate	9.20	41	638848	52.57	ug/l	89
49) 1,4-Dioxane	9.20	88	164832	982.80	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	3436795	254.12	ug/l	94
52) Toluene	10.16	92	2258400	50.52	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1192639	49.06	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1393387	48.54	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	799226	47.96	ug/l	98
56) Ethyl methacrylate	10.43	69	978760	50.91	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1356455	49.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1441642	212.05	ug/l	95
59) 2-Hexanone	10.75	43	2166810	248.51	ug/l	92
60) Dibromochloromethane	10.90	129	926729	49.82	ug/l	99
61) 1,2-Dibromoethane	11.01	107	770779	49.76	ug/l	100
64) Tetrachloroethene	10.63	164	1078090	52.76	ug/l	97
65) Chlorobenzene	11.44	112	2471801	48.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	936290	48.43	ug/l	98
67) Ethyl Benzene	11.51	91	4281689	50.25	ug/l	98
68) m/p-Xylenes	11.62	106	3280698	102.59	ug/l	97
69) o-Xylene	11.95	106	1577658	51.22	ug/l	96
70) Styrene	11.97	104	2534987	52.17	ug/l	98
71) Bromoform	12.13	173	615085	49.15	ug/l #	99
73) Isopropylbenzene	12.25	105	4232458	47.55	ug/l	98
74) N-amyl acetate	12.07	43	1037878	47.60	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	893761	48.75	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	749839m	43.35	ug/l	
77) Bromobenzene	12.53	156	1057555	44.98	ug/l	90
78) n-propylbenzene	12.59	91	4796233	49.07	ug/l	99
79) 2-Chlorotoluene	12.68	91	2873639	46.40	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3451316	49.33	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	241621	44.15	ug/l	93
82) 4-Chlorotoluene	12.77	91	2844733	47.62	ug/l	96
83) tert-Butylbenzene	12.99	119	2916991	47.06	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3502519	50.39	ug/l	99
85) sec-Butylbenzene	13.17	105	3895594	47.22	ug/l	98
86) p-Isopropyltoluene	13.29	119	3364563	48.81	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1837447	47.50	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1769642	46.16	ug/l	99
89) n-Butylbenzene	13.62	91	2614983	48.57	ug/l	98
90) Hexachloroethane	13.88	117	654092	50.15	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	1789746	47.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134297	43.34	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	684029	40.35	ug/l	99
94) Hexachlorobutadiene	15.01	225	545646	49.13	ug/l	99
95) Naphthalene	15.14	128	1299827	43.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	695367	41.54	ug/l	99

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

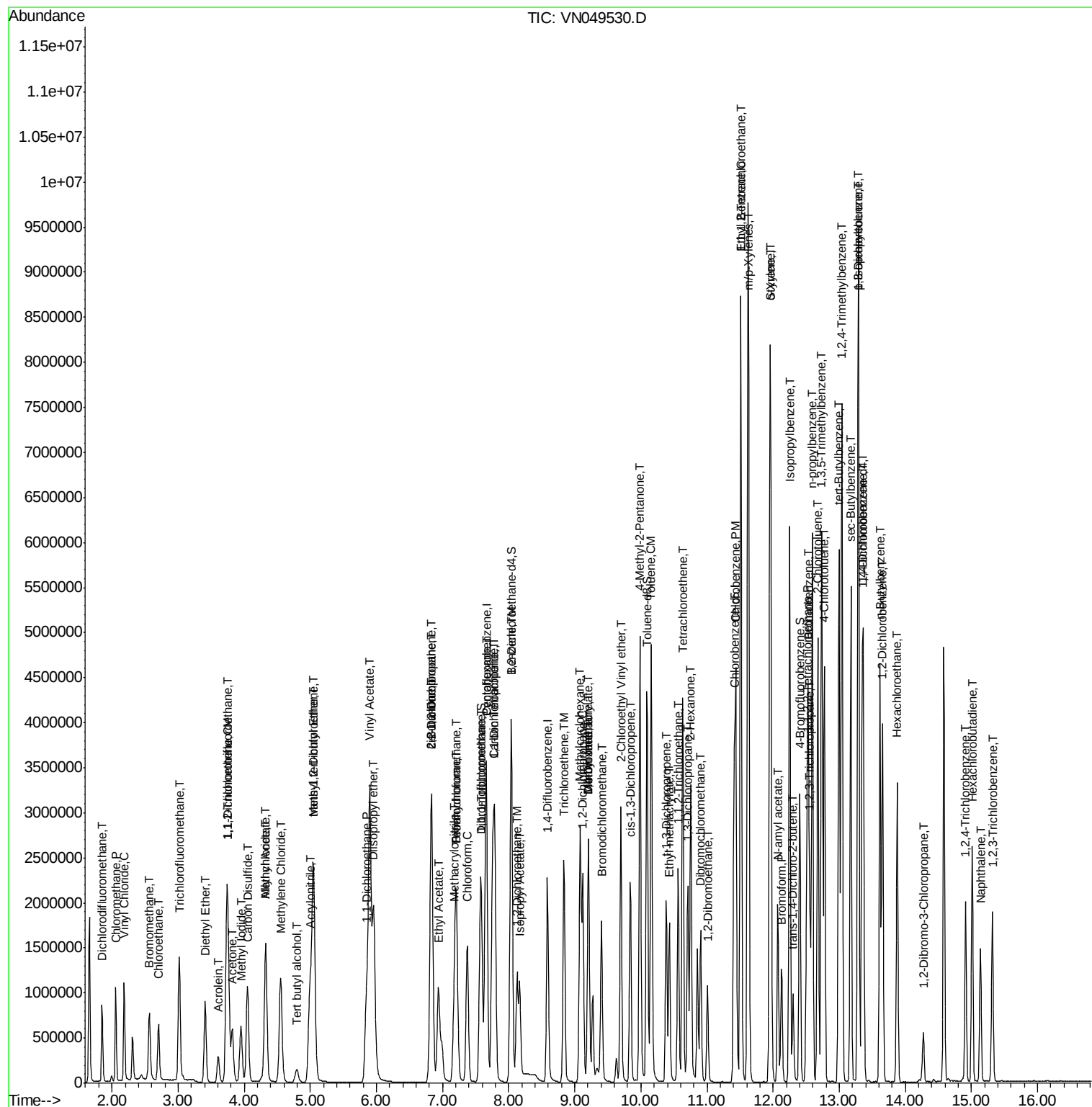
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
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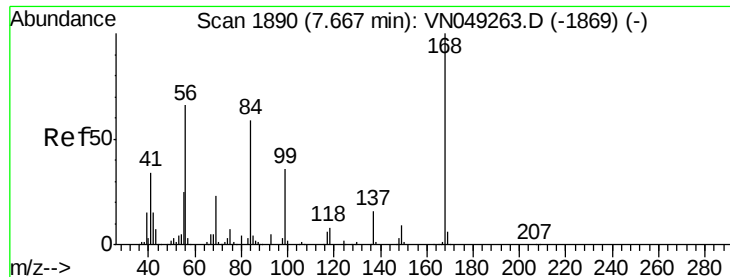
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1474294

Ion Ratio Lower Upper

168 100

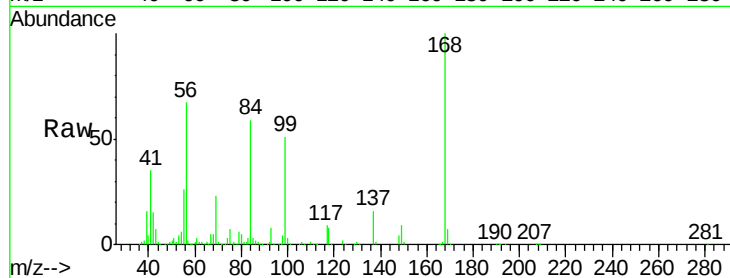
99 50.4 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

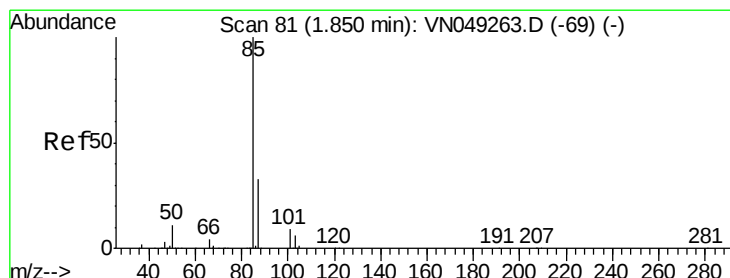
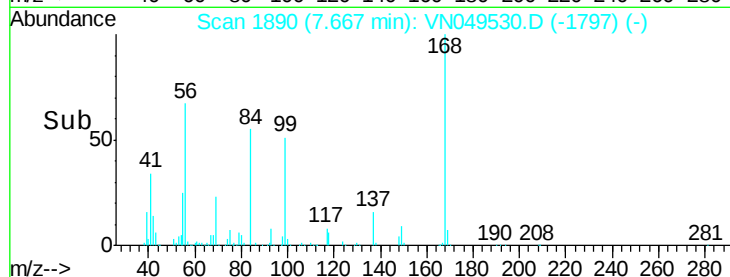
400000

200000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 38.89 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049530.D

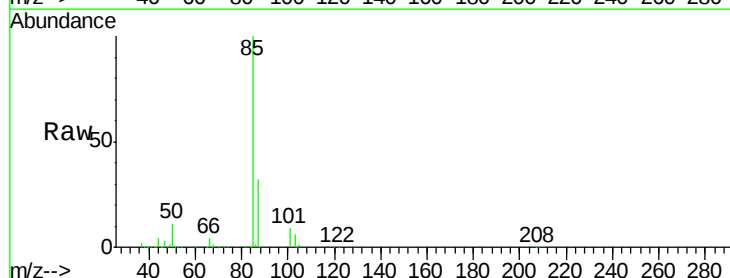
Acq: 26 Jun 2018 00:03

Tgt Ion: 85 Resp: 659891

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

500000

400000

300000

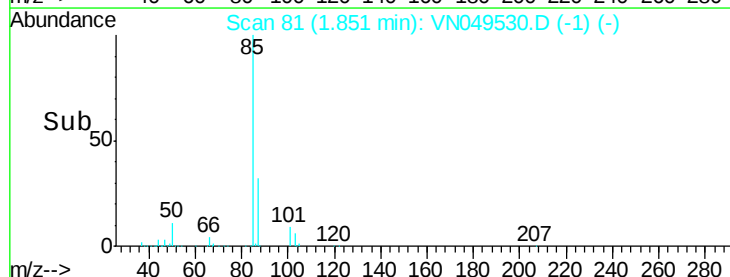
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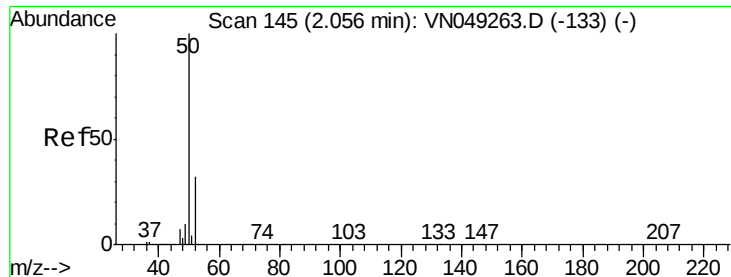
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 39.00 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 854470

Ion Ratio Lower Upper

50 100

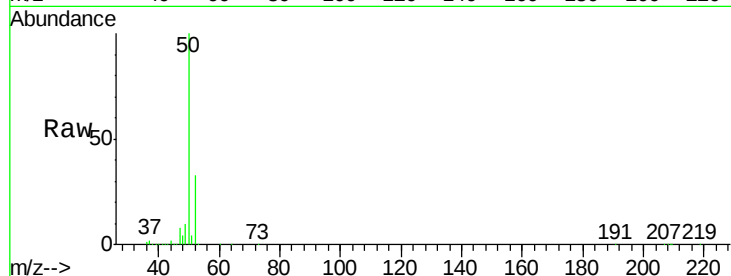
52 33.0 25.2 37.8

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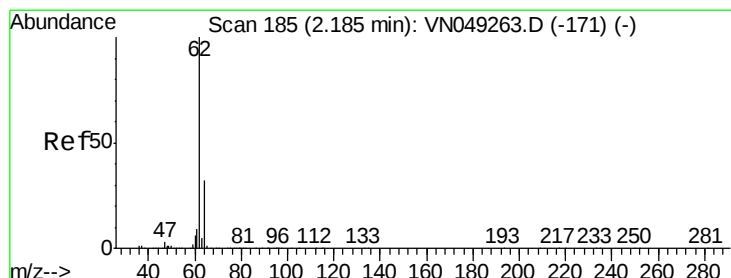
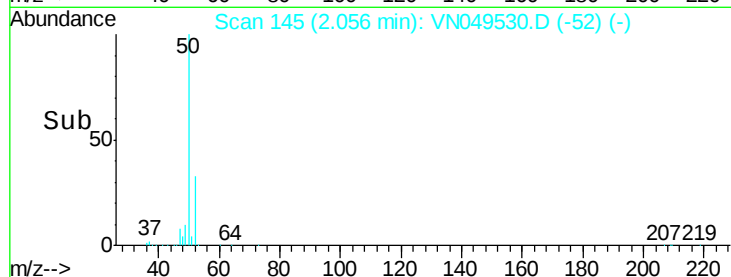
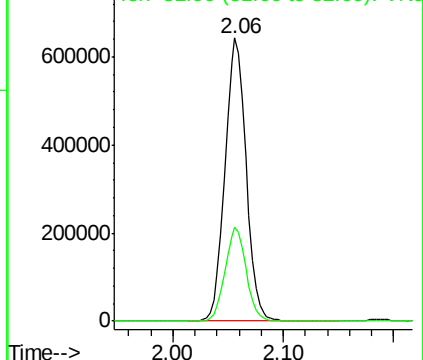
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 41.28 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049530.D

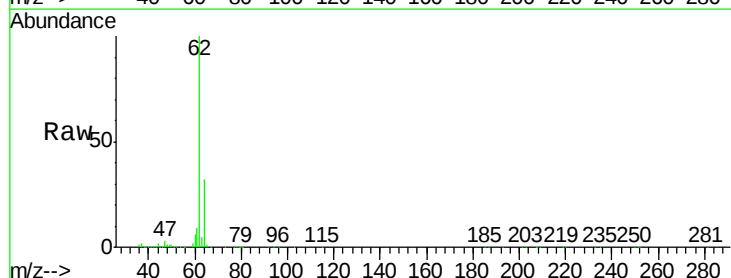
Acq: 26 Jun 2018 00:03

Tgt Ion: 62 Resp: 961407

Ion Ratio Lower Upper

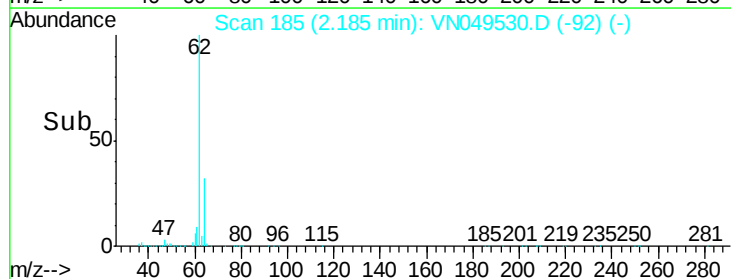
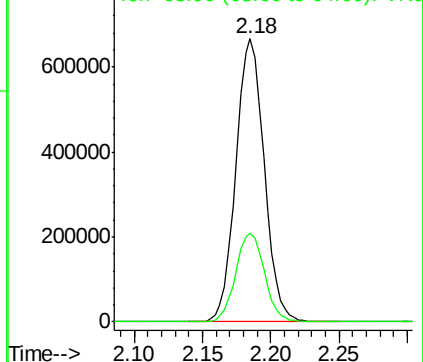
62 100

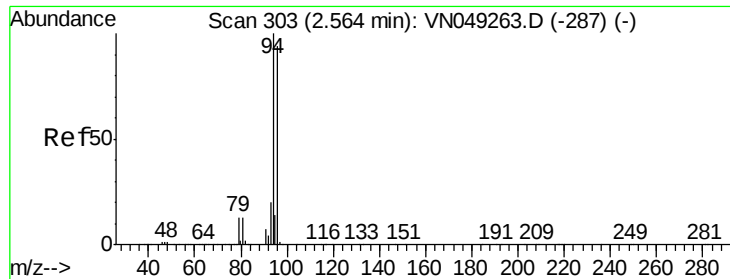
64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





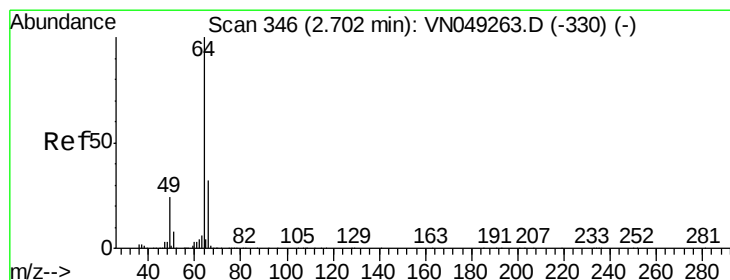
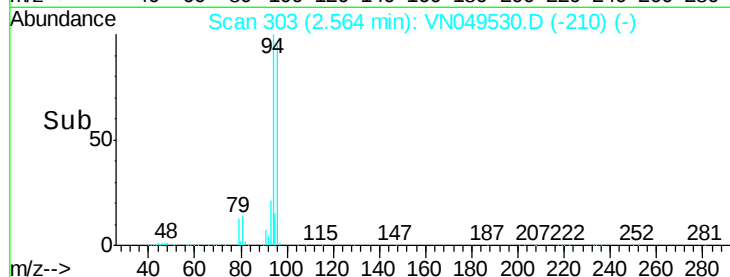
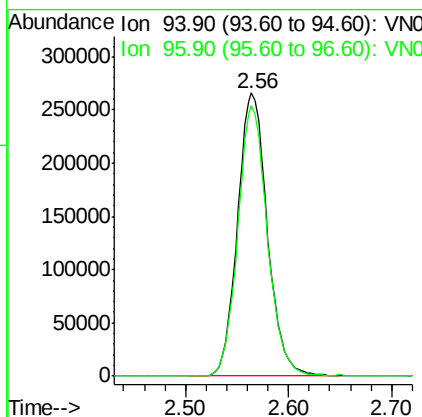
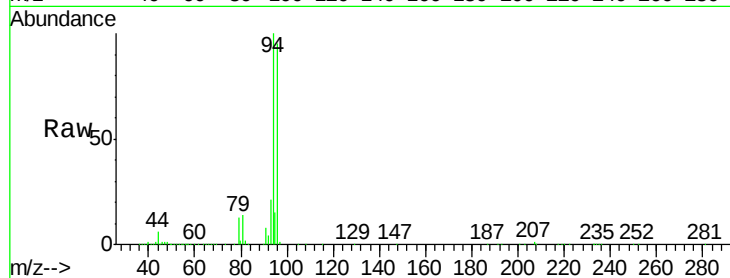
#5
Bromomethane
Concen: 43.55 ug/l
RT: 2.56 min Scan# 303
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

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Tot Ion	94	Resp	533100
Ion Ratio	100	Lower	Upper
96	95.4	72.8	109.2

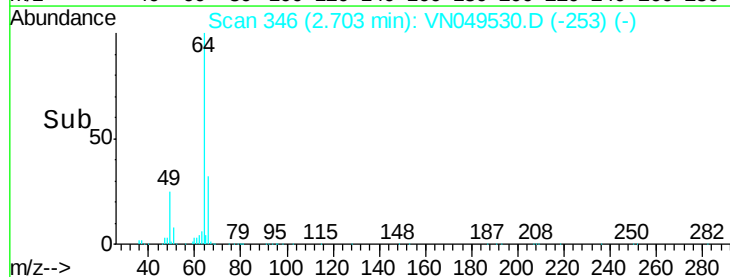
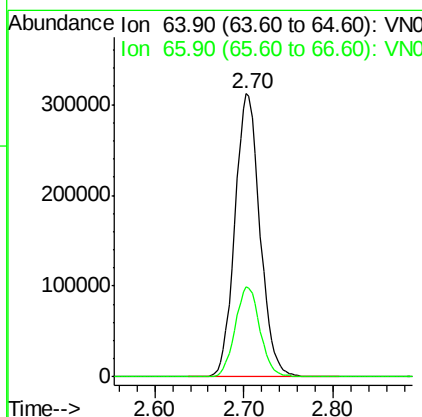
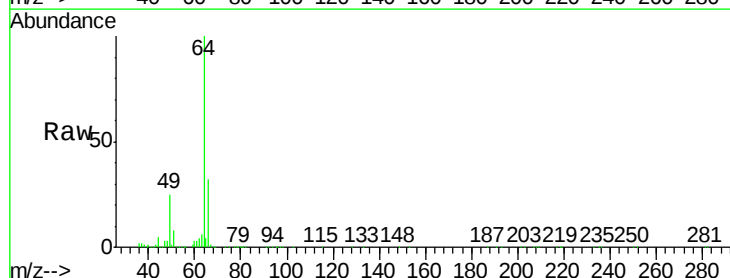
Manual Integrations
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#6
Chloroethane
Concen: 43.78 ug/l
RT: 2.70 min Scan# 346
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	64	Resp	607859
Ion Ratio	100	Lower	Upper
66	31.8	25.6	38.4





#7

Trichlorofluoromethane

Concen: 45.93 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 1334294

Ion Ratio Lower Upper

101 100

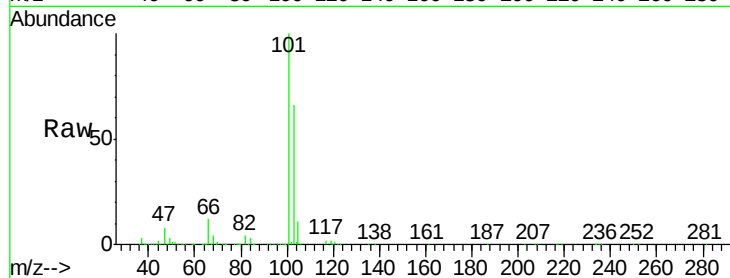
103 65.7 51.7 77.5

Manual Integrations

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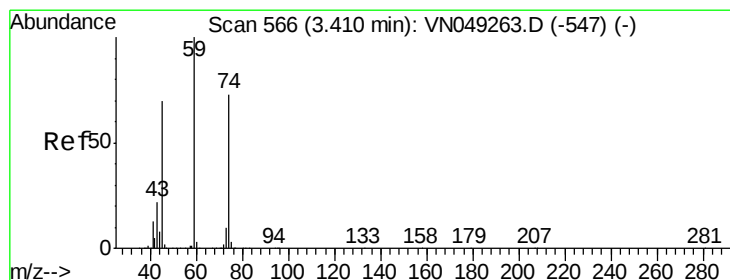
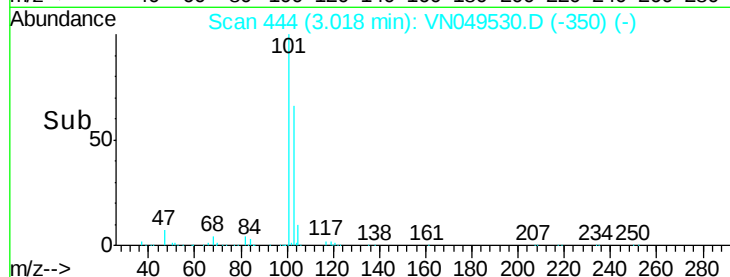
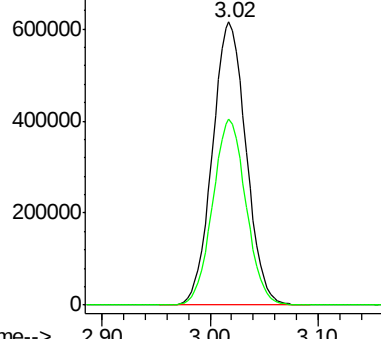
apatel

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 46.24 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049530.D

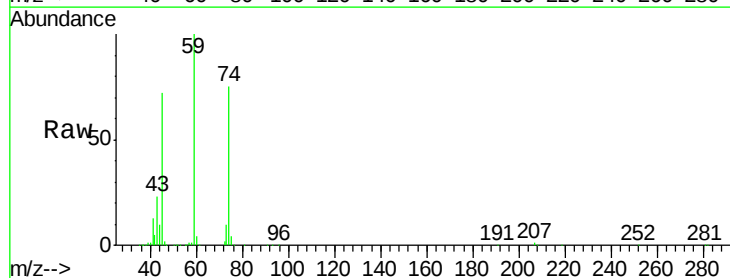
Acq: 26 Jun 2018 00:03

Tgt Ion: 74 Resp: 469002

Ion Ratio Lower Upper

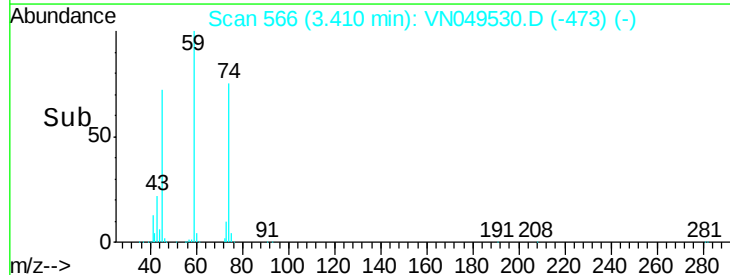
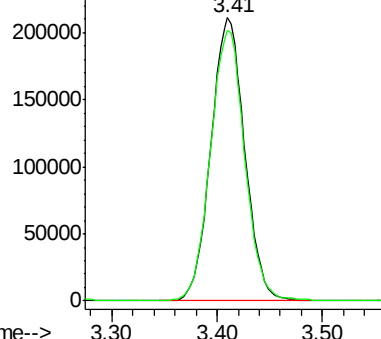
74 100

45 96.7 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.28 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

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MSVOA_N

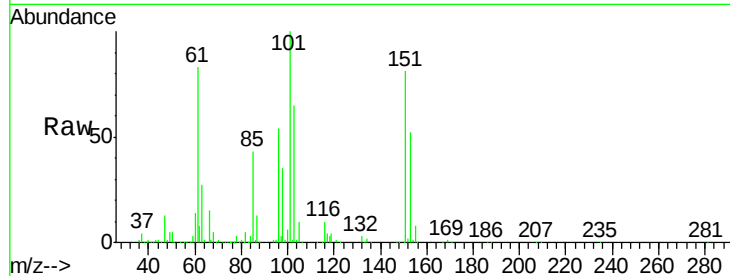
ClientSampleId :

VSTDCCC050

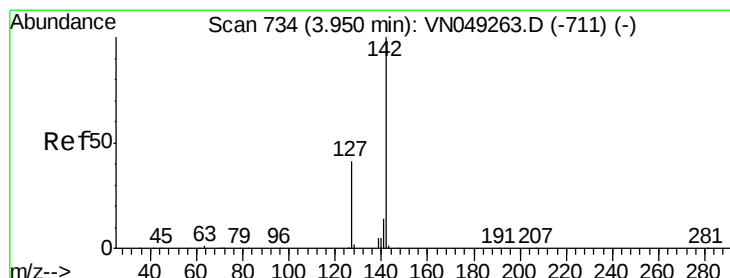
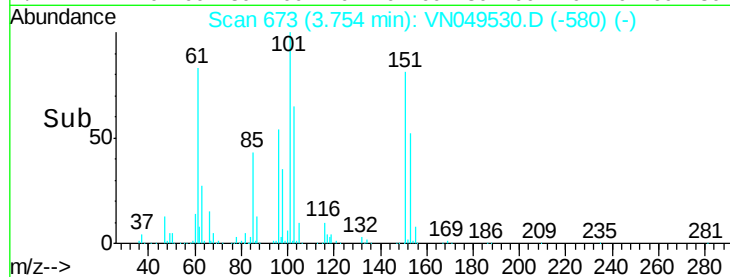
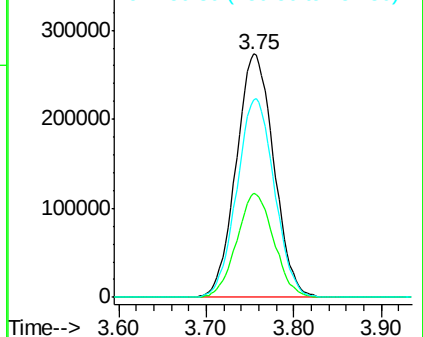
Tot Ion:	101	Resp:	815990
Ion Ratio	Lower	Upper	
101	100		
85	42.0	37.6	56.4
151	81.4	61.1	91.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.66 ug/l

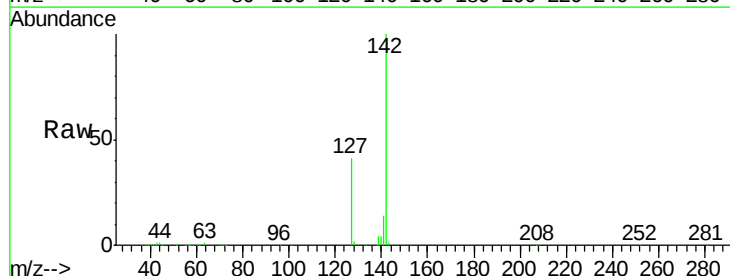
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

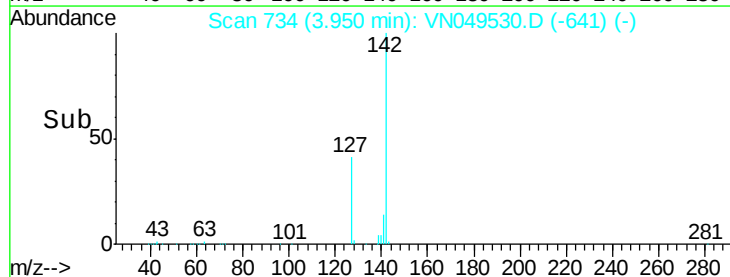
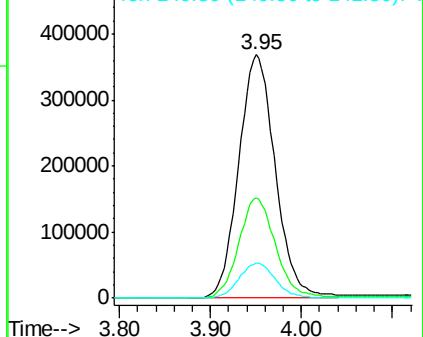
Lab File: VN049530.D

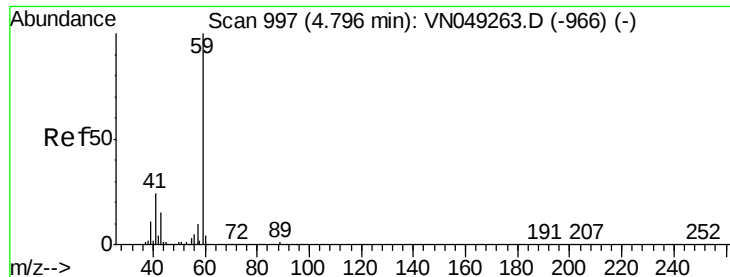
Acq: 26 Jun 2018 00:03

Tgt Ion:	142	Resp:	1029327
Ion Ratio	Lower	Upper	
142	100		
127	41.4	38.2	57.4
141	14.4	11.9	17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





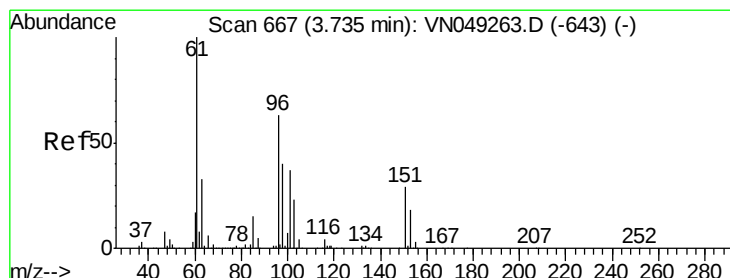
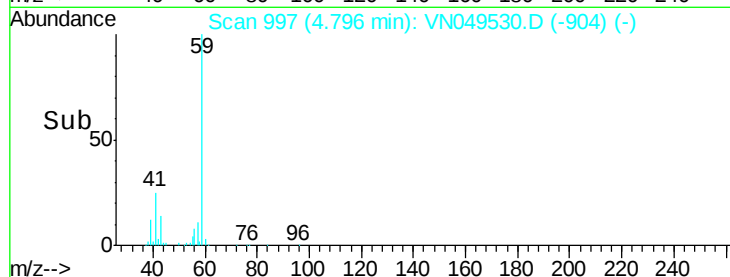
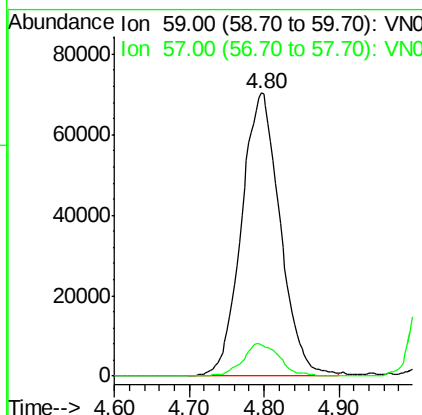
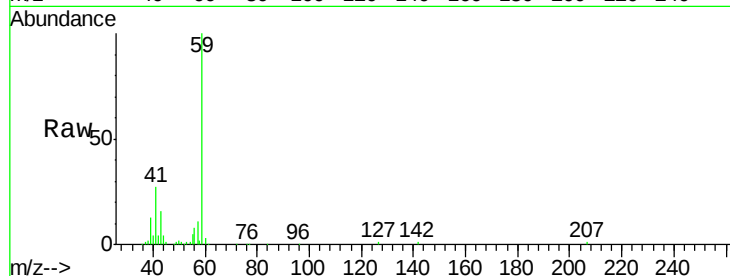
#11
Tert butyl alcohol
Concen: 220.78 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.6

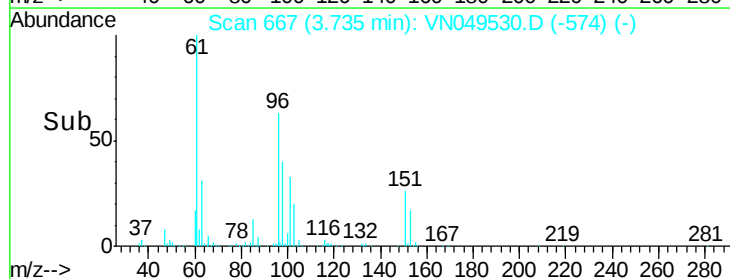
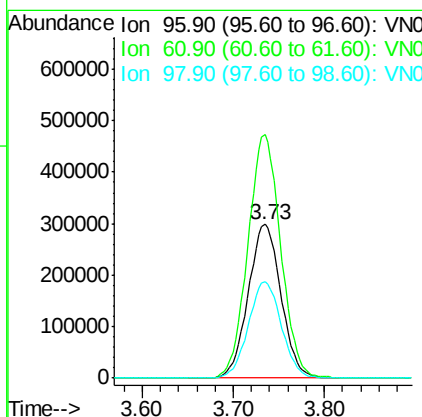
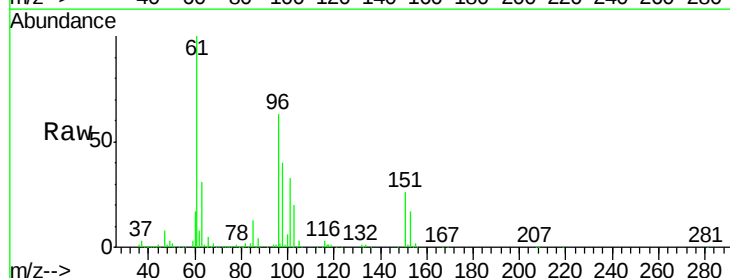
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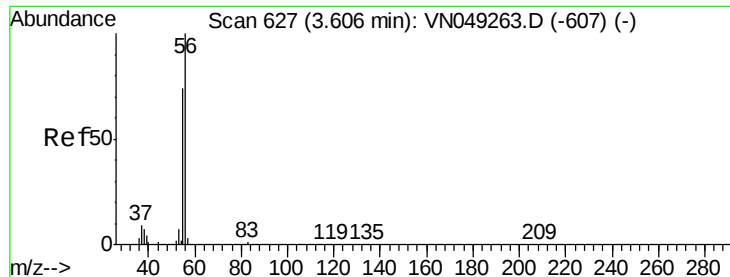
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#12
1,1-Dichloroethene
Concen: 44.16 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	141.0	211.4
98	63.1	50.4	75.6





#13

Acrolein

Concen: 273.51 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 329183

Ion Ratio Lower Upper

56 100

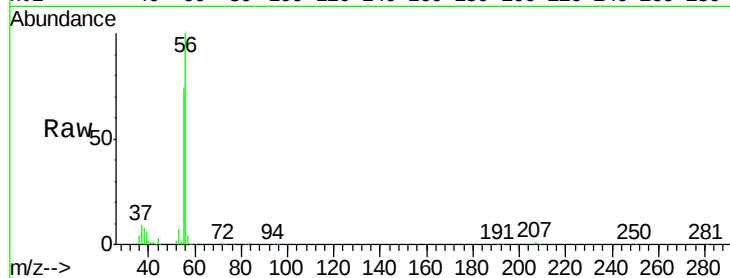
55 71.7 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

150000

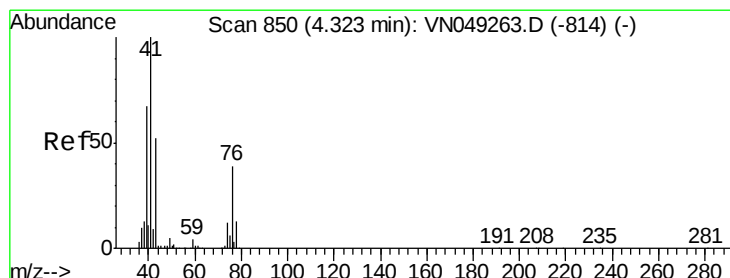
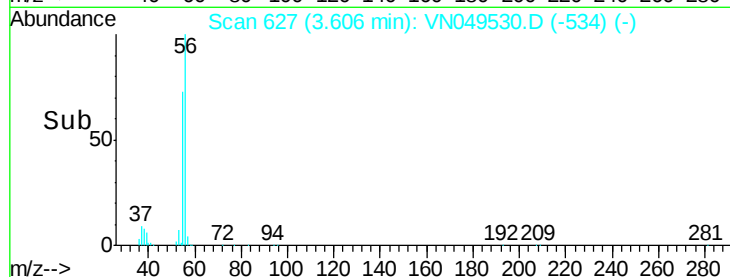
100000

50000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 45.46 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

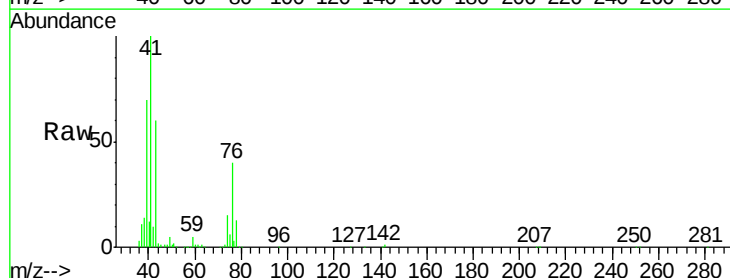
Tgt Ion: 41 Resp: 1213501

Ion Ratio Lower Upper

41 100

39 67.3 62.5 93.7

76 36.5 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

500000

400000

300000

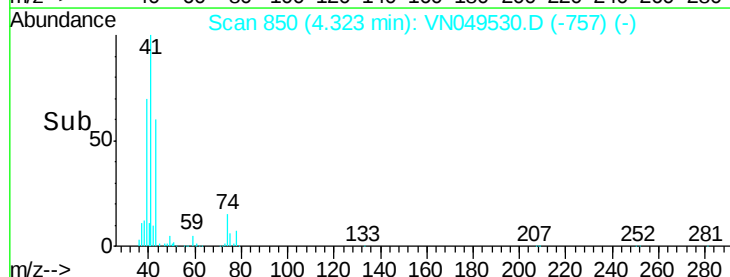
200000

100000

0

4.10 4.20 4.30 4.40

Time-->





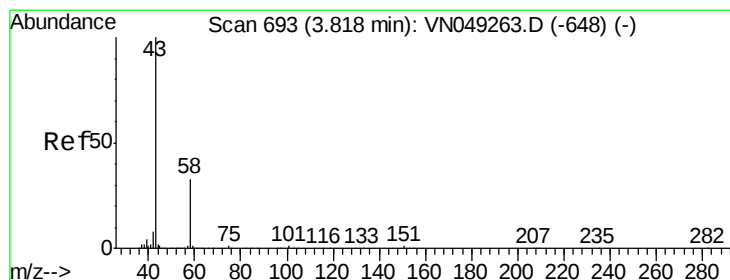
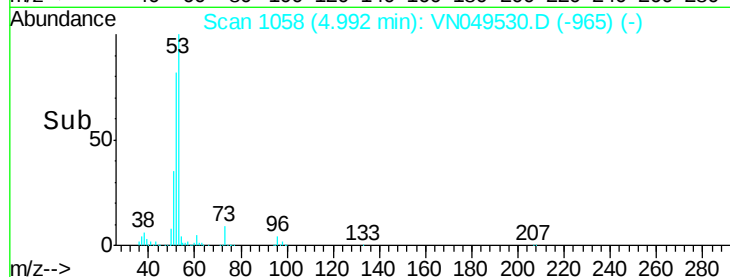
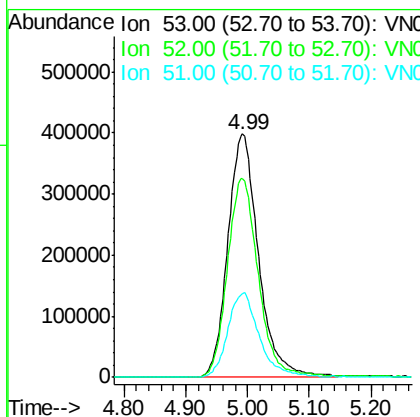
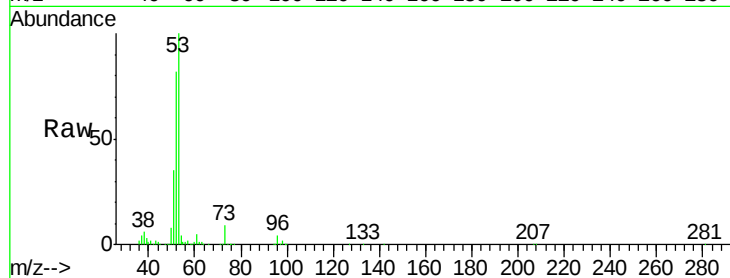
#15
 Acrylonitrile
 Concen: 239.70 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Resp	1375602
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.6	100.0
51	35.8	29.8	44.8

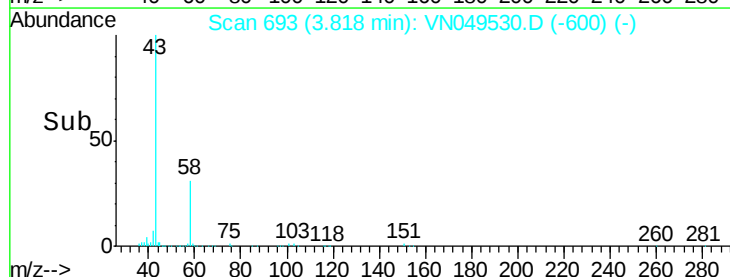
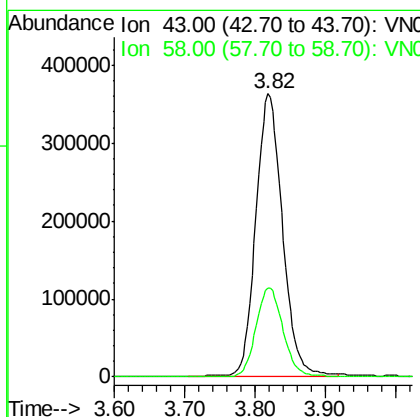
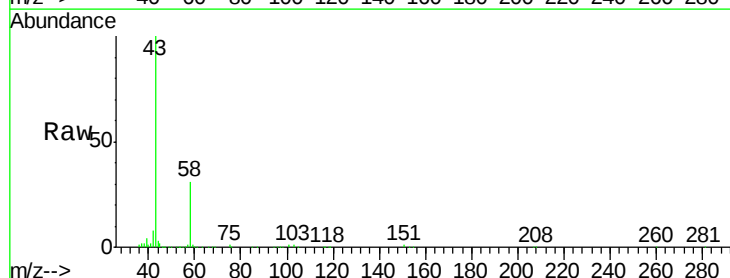
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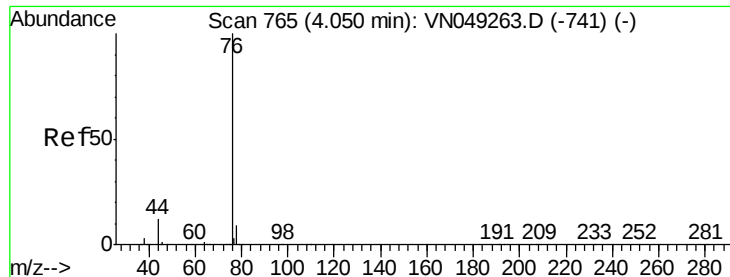
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#16
 Acetone
 Concen: 202.20 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion	43	Resp	959996
Ion	Ratio	Lower	Upper
43	100		
58	31.3	22.4	33.6





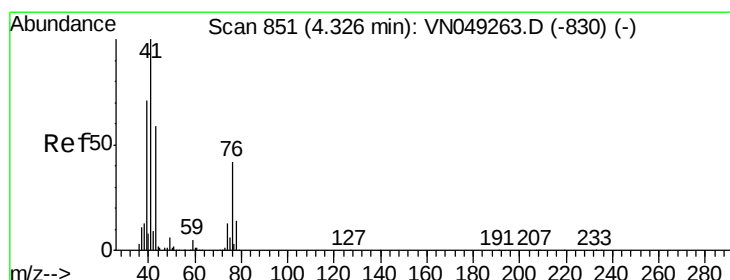
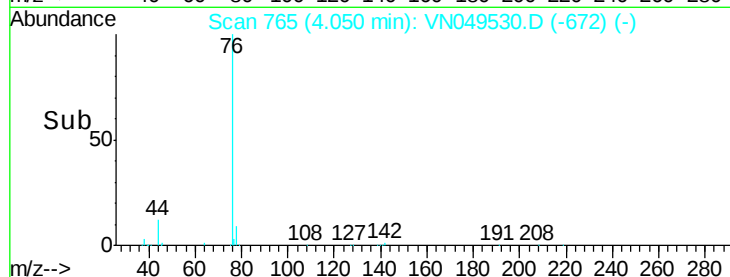
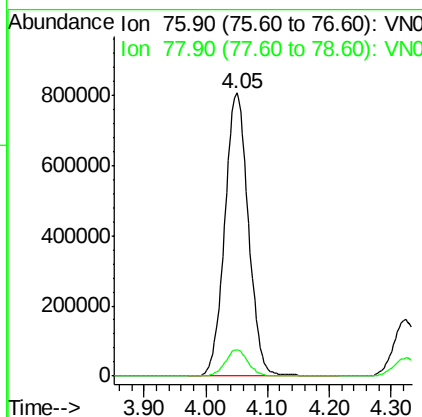
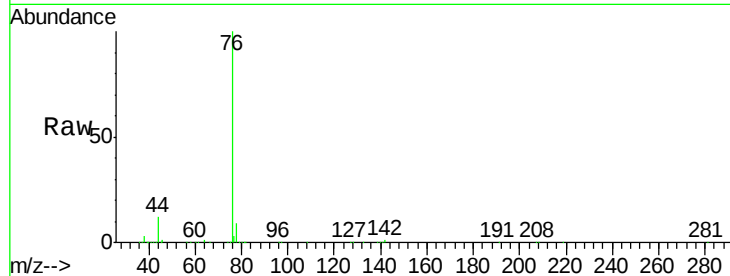
#17
Carbon Disulfide
Concen: 40.36 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 2138600
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

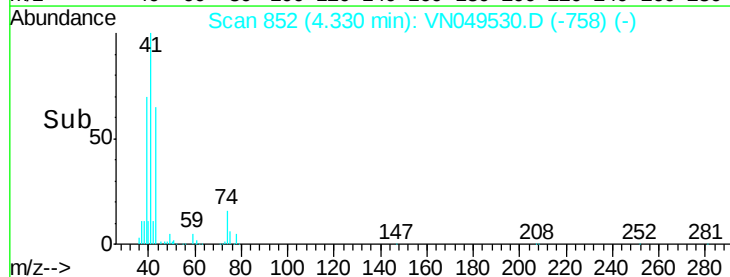
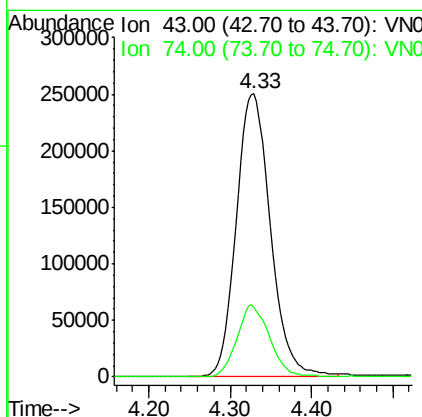
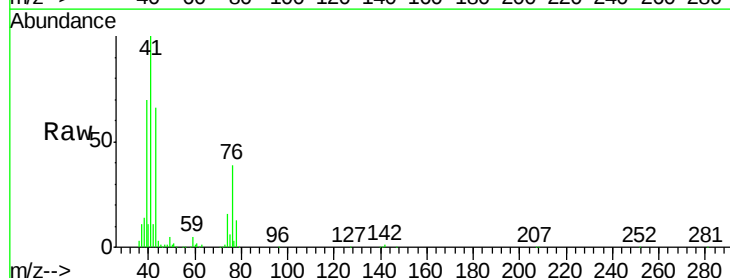
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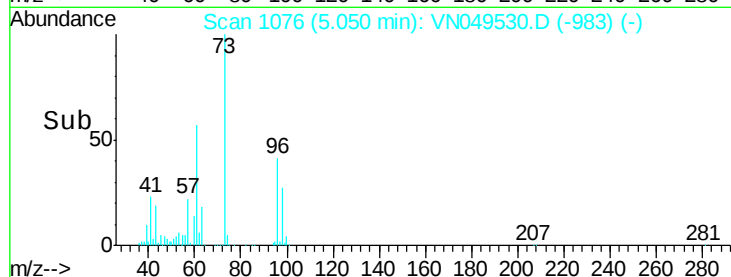
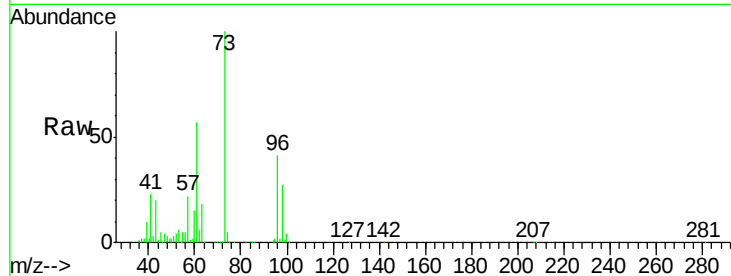
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#18
Methyl Acetate
Concen: 50.08 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion: 43 Resp: 724915
Ion Ratio Lower Upper
43 100
74 24.3 17.4 26.0





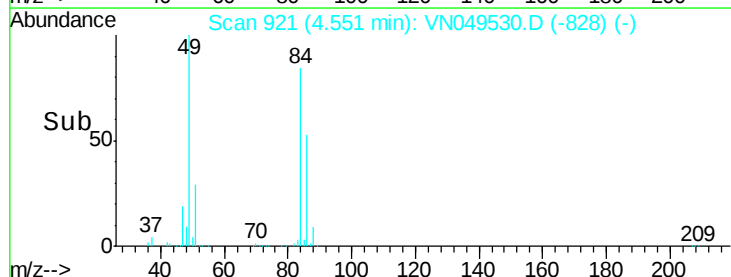
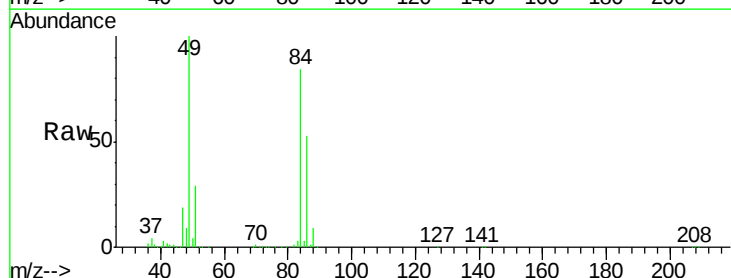
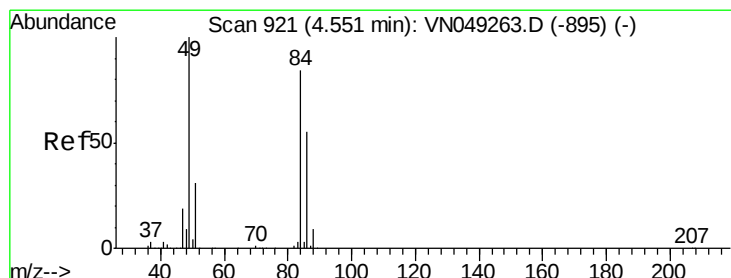
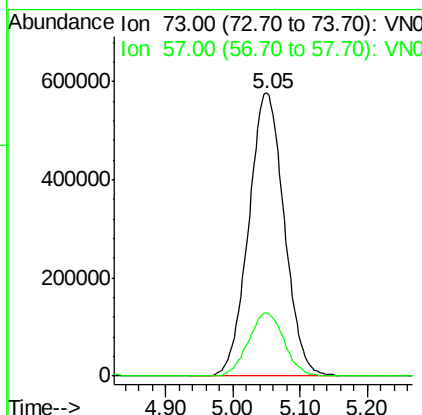
#19
Methvl tert-butvl Ether
Concen: 49.12 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tot Ion: 73 Resp: 2117049
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

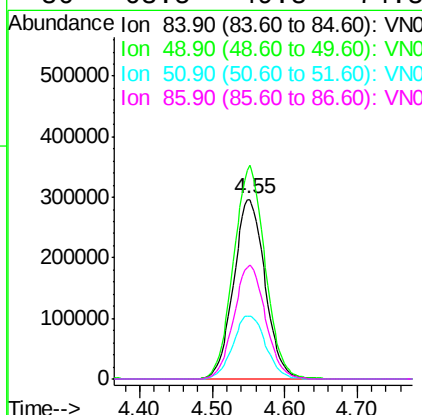
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#20
Methylene Chloride
Concen: 45.15 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion: 84 Resp: 895280
Ion Ratio Lower Upper
84 100
49 119.0 106.9 160.3
51 35.0 32.7 49.1
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 45.56 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

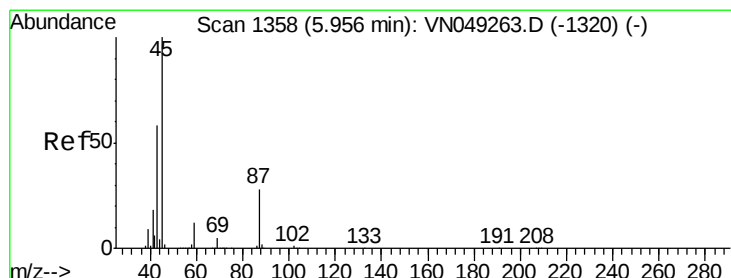
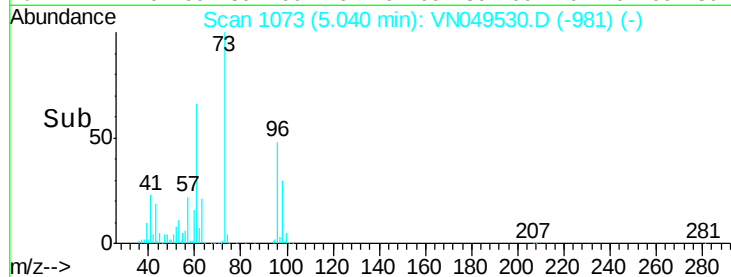
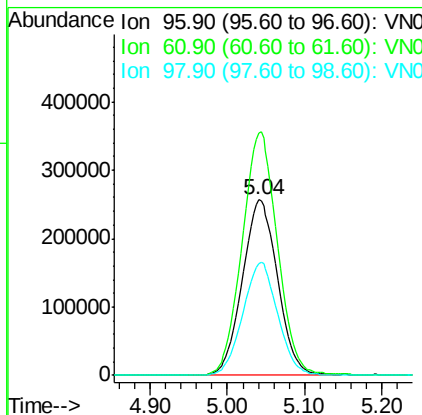
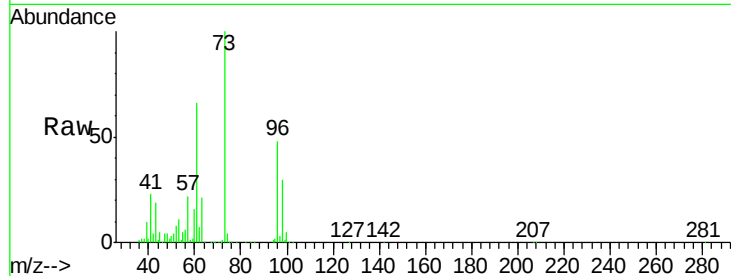
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	815410
Ion	Ratio	Lower	Upper
96	100		
61	138.3	121.3	181.9
98	63.5	52.0	78.0

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#22

Diisopropyl ether

Concen: 49.76 ug/l

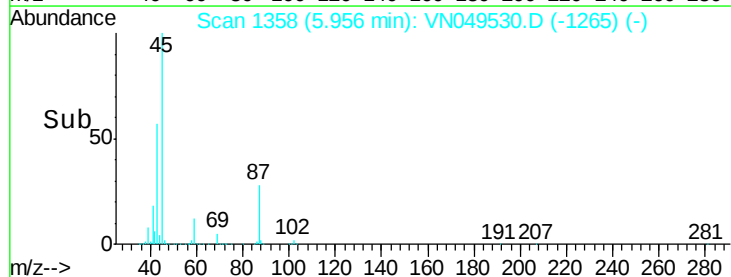
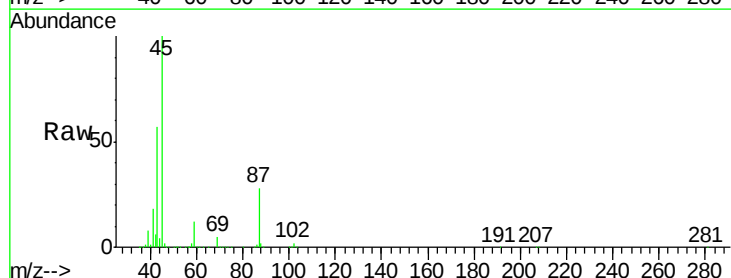
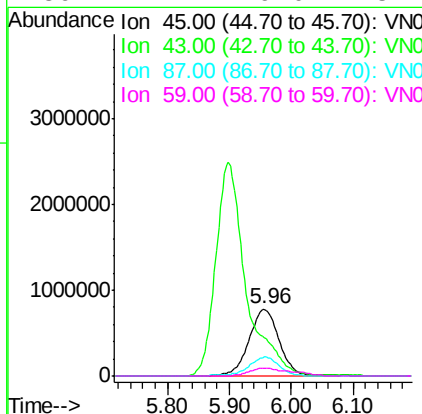
RT: 5.96 min Scan# 1358

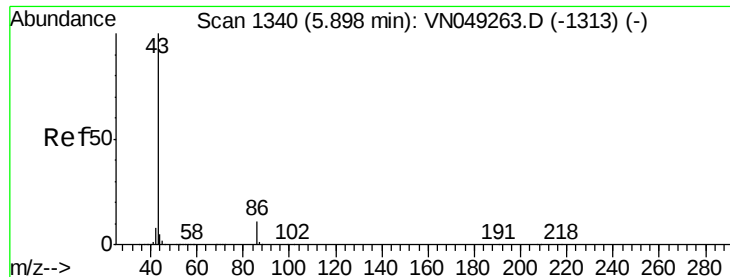
Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Tgt Ion:	45	Resp:	2652270
Ion	Ratio	Lower	Upper
45	100		
43	56.5	48.6	72.8
87	27.7	20.2	30.2
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 243.27 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 8452894

Ion Ratio Lower Upper

43 100

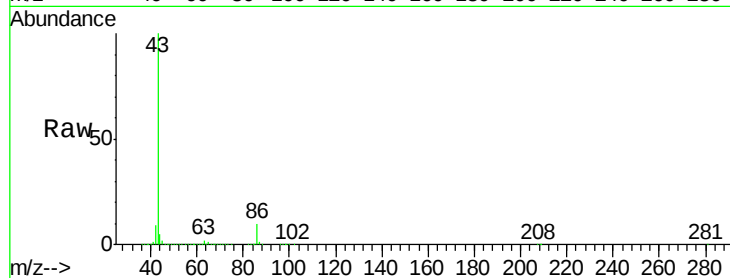
86 10.4 7.2 10.8

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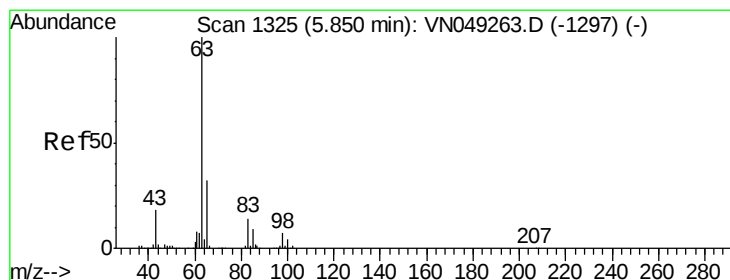
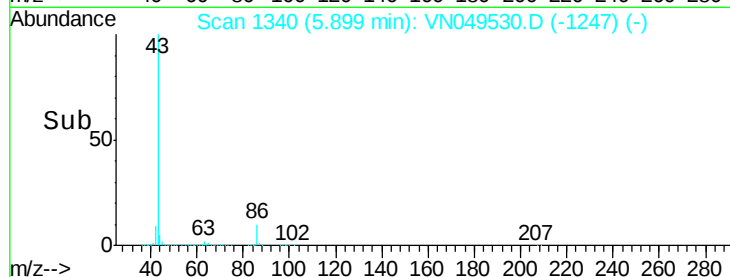
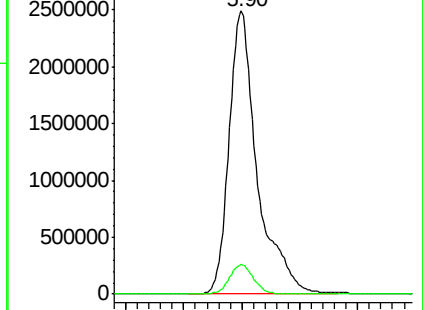
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Abundance Ion 43.00 (42.70 to 43.70): VN049530.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN049530.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 46.23 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

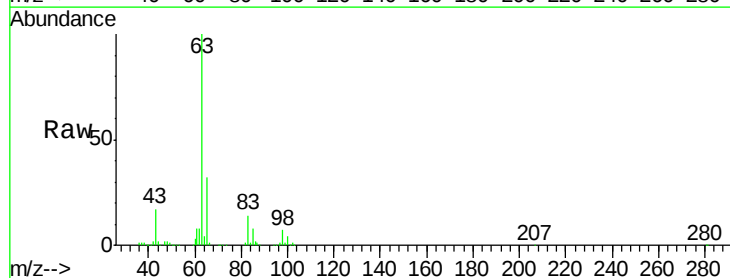
Tgt Ion: 63 Resp: 1577046

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

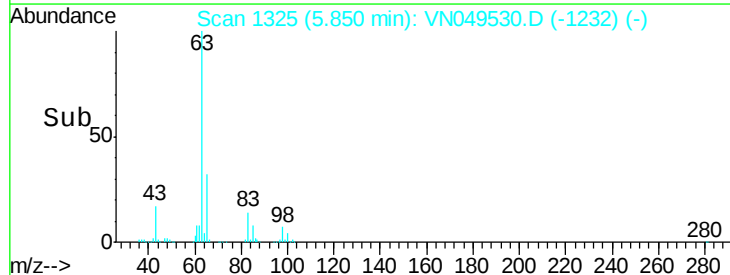
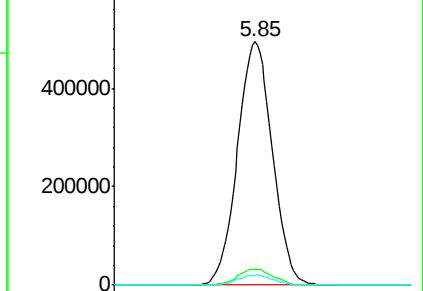
100 4.1 2.1 6.3

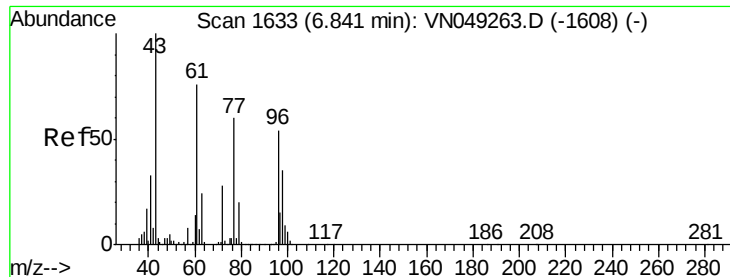


Abundance Ion 62.90 (62.60 to 63.60): VN049530.D (-1232) (-)

Ion 97.90 (97.60 to 98.60): VN049530.D (-1232) (-)

Ion 99.90 (99.60 to 100.60): VN049530.D (-1232) (-)





#25

2-Butanone

Concen: 229.37 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1462285

Ion Ratio Lower Upper

43 100

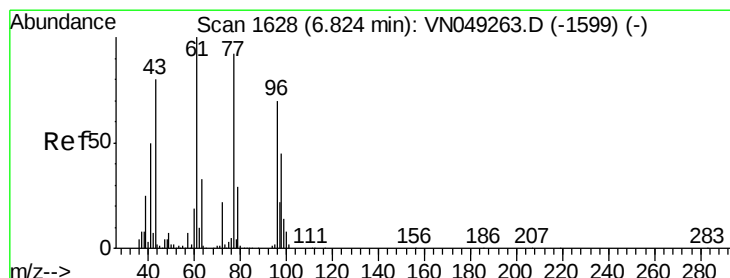
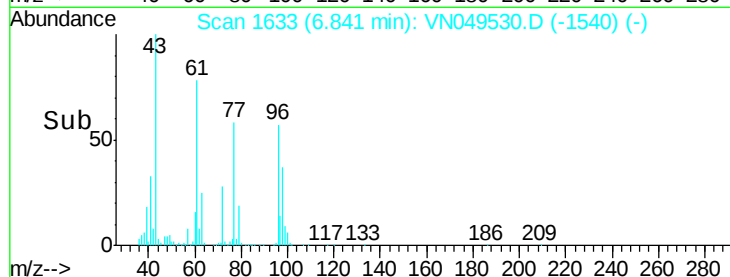
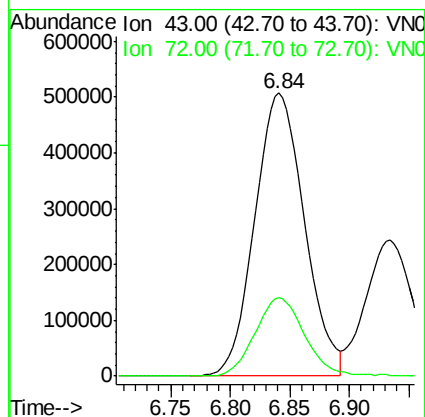
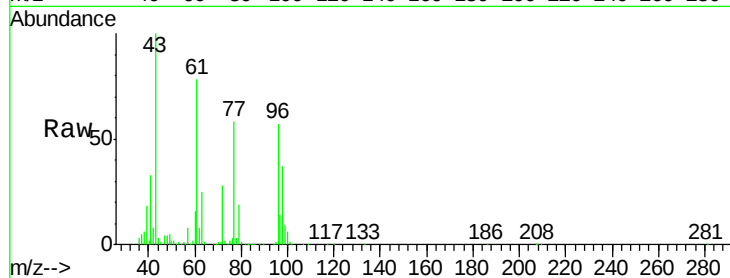
72 27.8 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 42.12 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049530.D

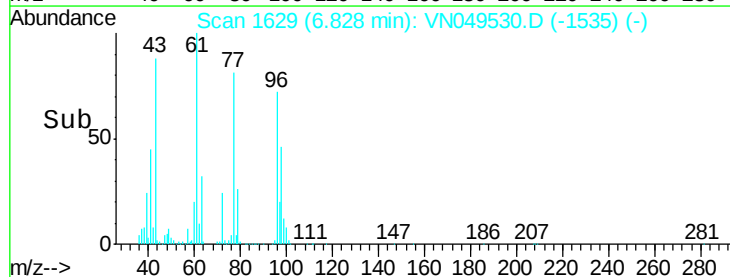
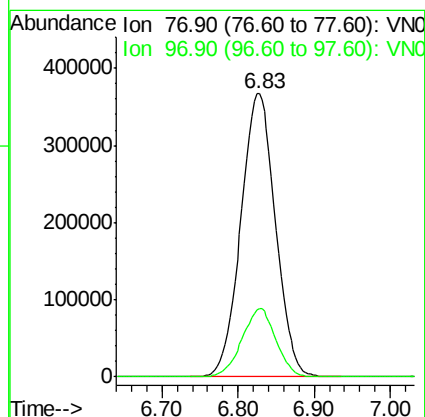
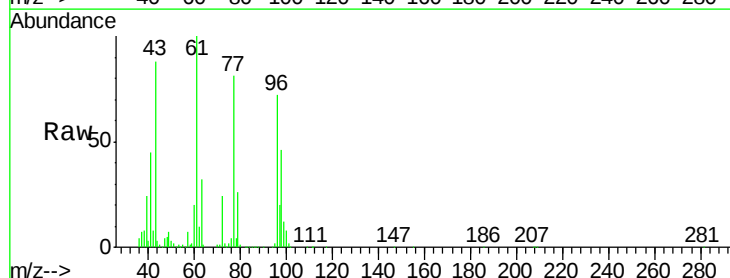
Acq: 26 Jun 2018 00:03

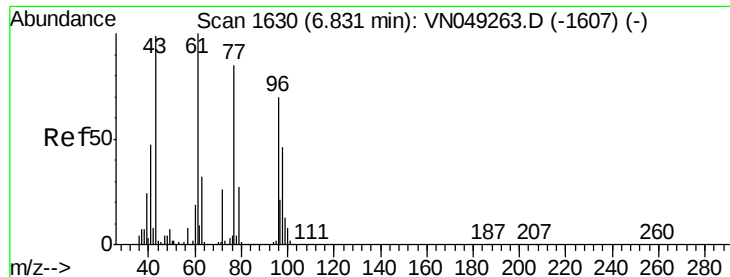
Tgt Ion: 77 Resp: 1160376

Ion Ratio Lower Upper

77 100

97 23.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 47.33 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

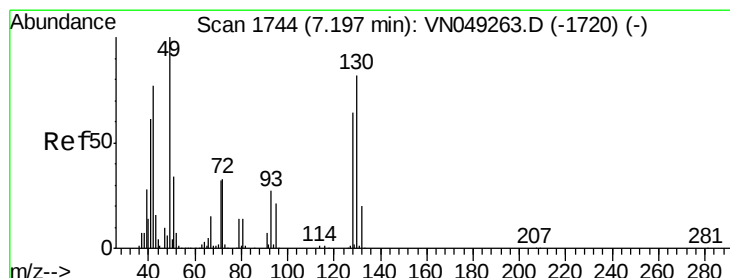
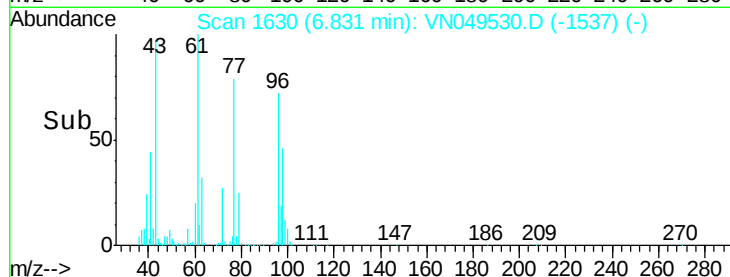
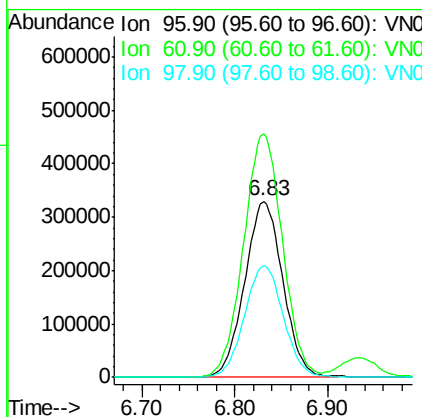
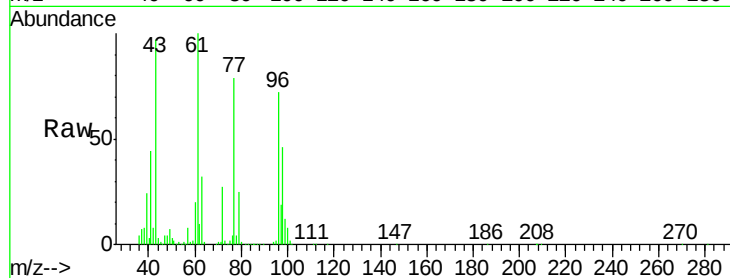
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	941636
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	316.4
98	64.9	0.0	128.4

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#28

Bromochloromethane

Concen: 49.29 ug/l

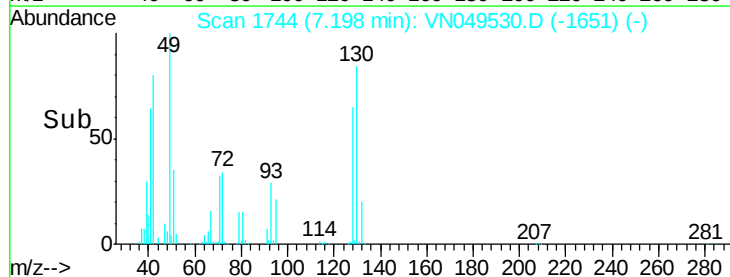
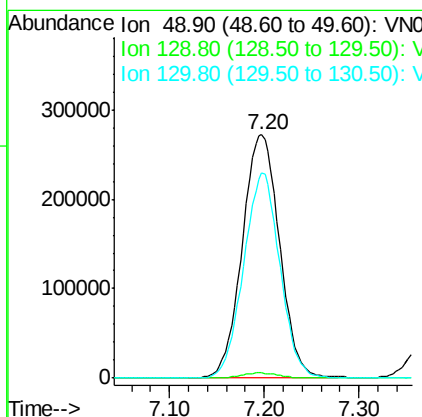
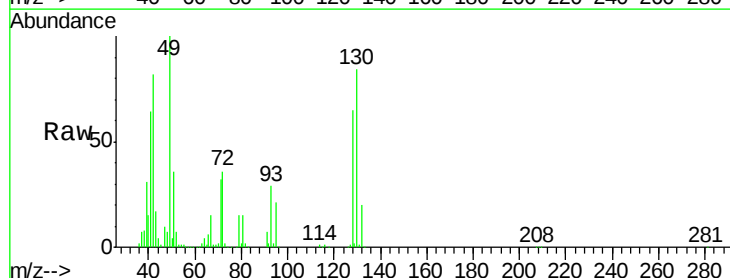
RT: 7.20 min Scan# 1744

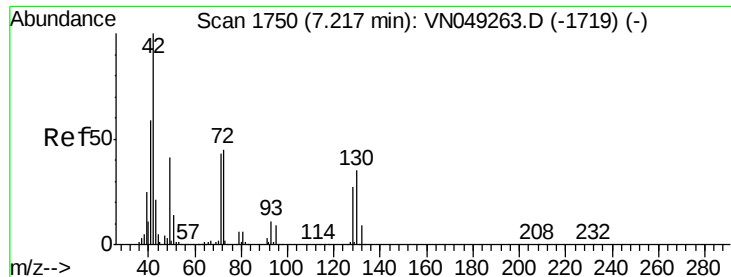
Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Tgt Ion:	49	Resp:	745526
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.1	54.9	82.3





#29

Tetrahydrofuran

Concen: 241.90 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

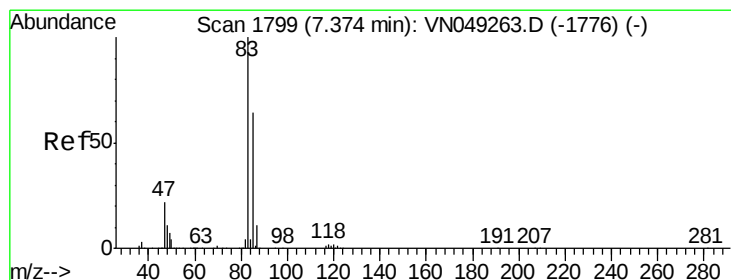
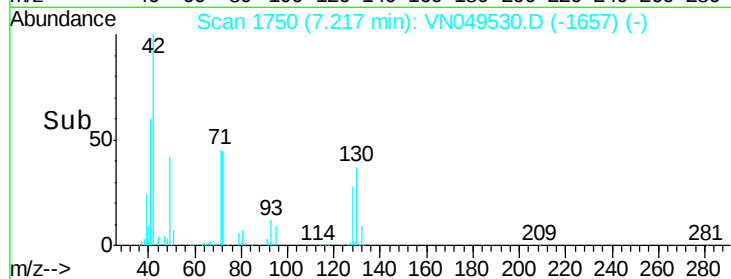
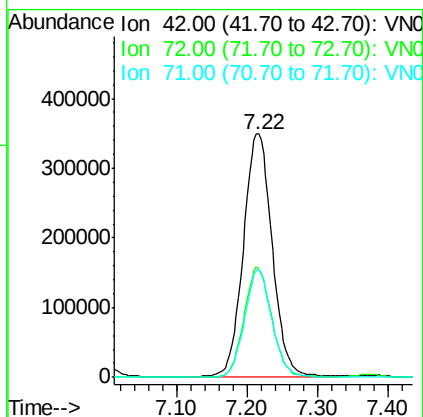
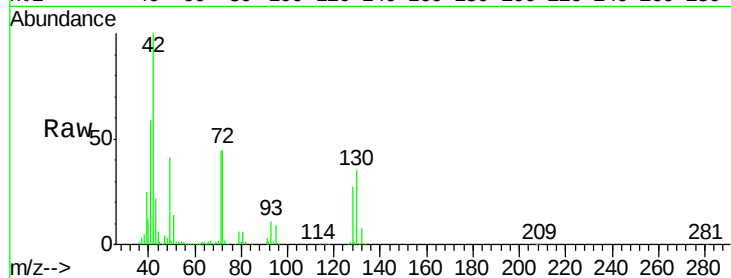
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	992677
Ion Ratio		Lower	Upper
42	100		
72	43.2	32.2	48.4
71	42.1	30.5	45.7

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#30

Chloroform

Concen: 47.23 ug/l

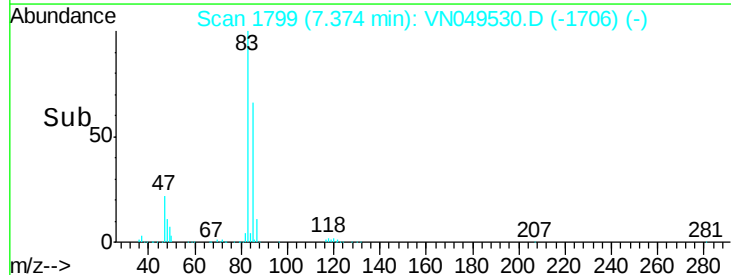
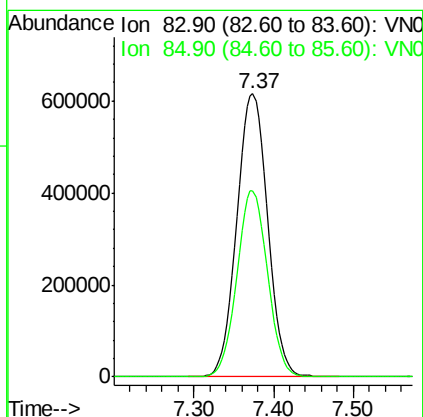
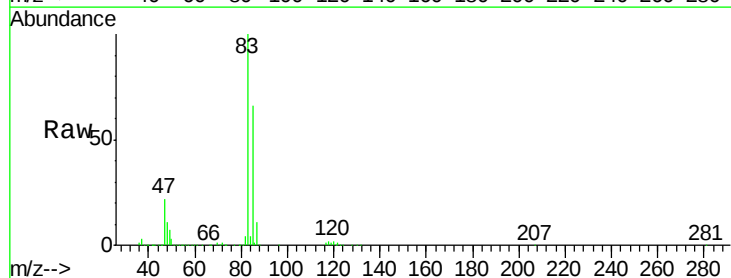
RT: 7.37 min Scan# 1799

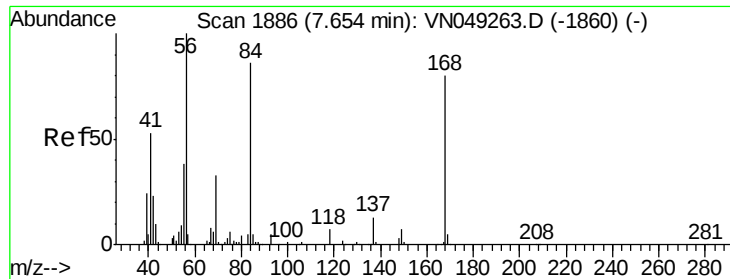
Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Tgt Ion:	83	Resp:	1603510
Ion Ratio		Lower	Upper
83	100		
85	65.8	51.7	77.5





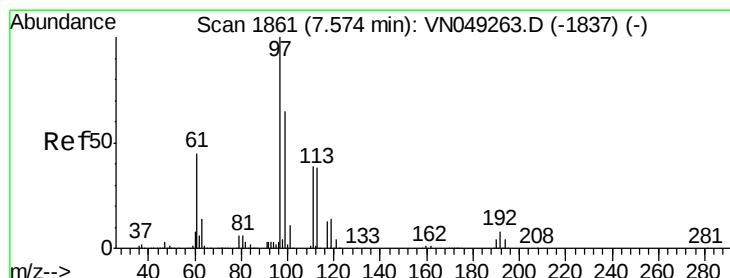
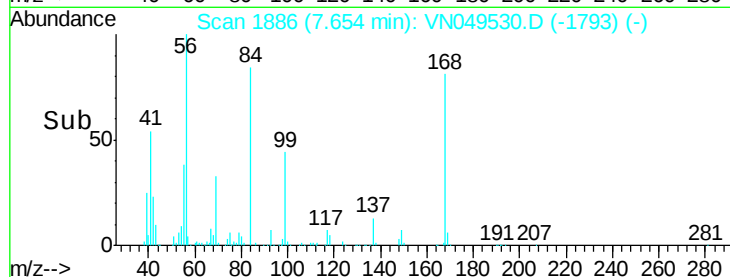
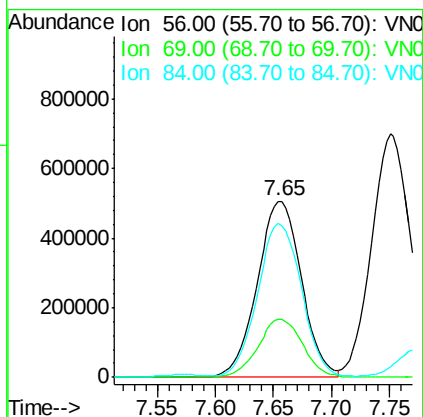
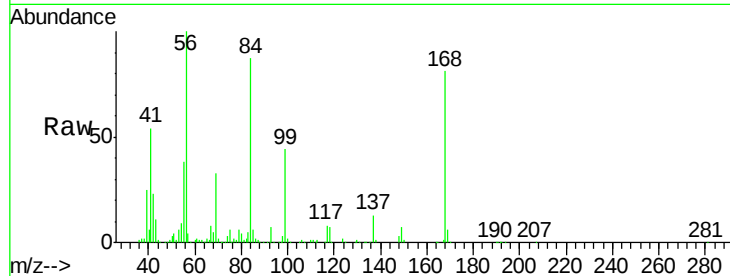
#31
Cyclohexane
Concen: 46.31 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.0	37.4
84	85.8	64.6	96.8

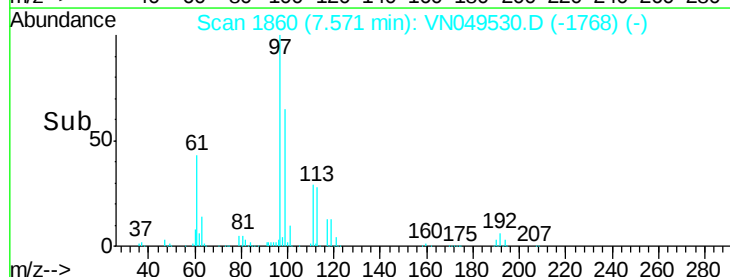
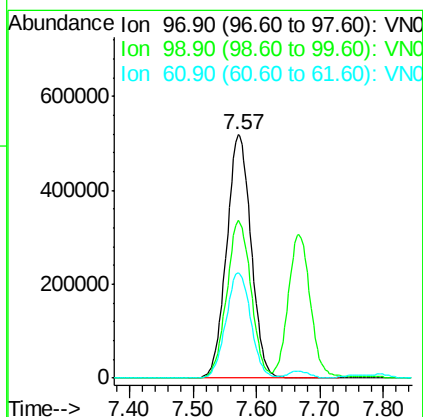
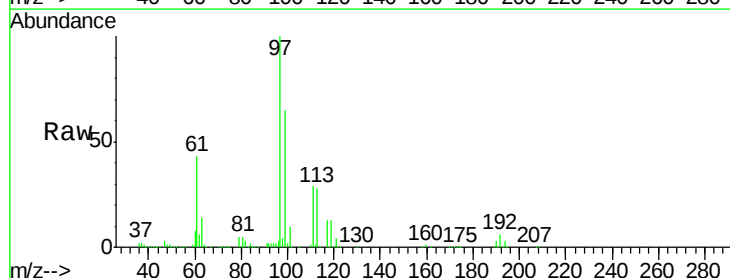
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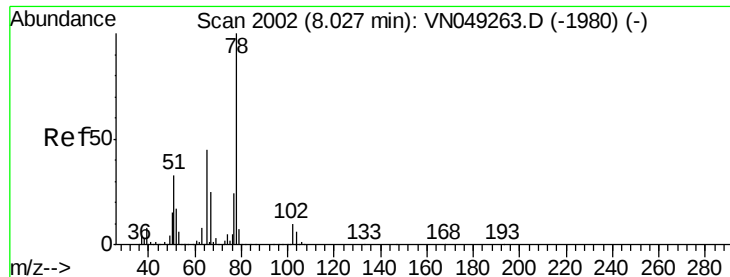
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#32
1,1,1-Trichloroethane
Concen: 47.76 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	43.8	37.9	56.9





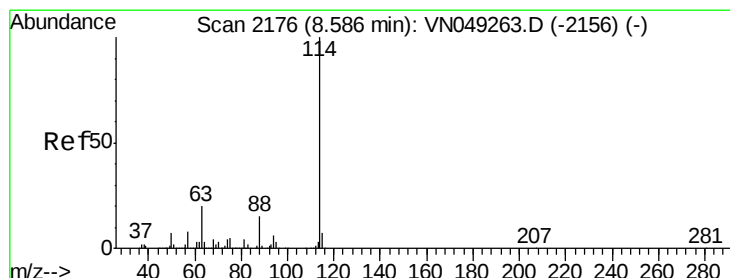
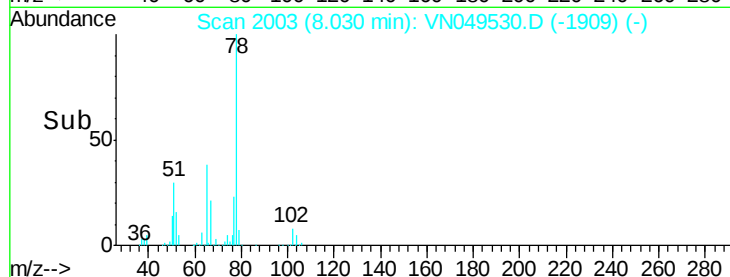
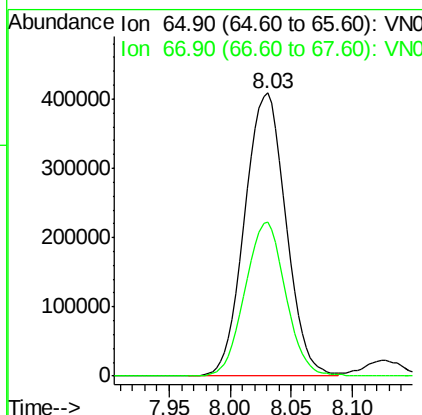
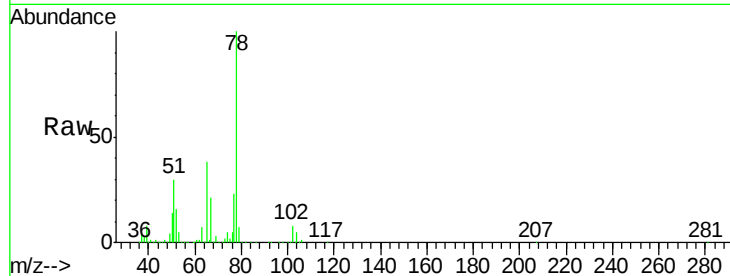
#33
 1,2-Dichloroethane-d4
 Concen: 48.92 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	103.8	

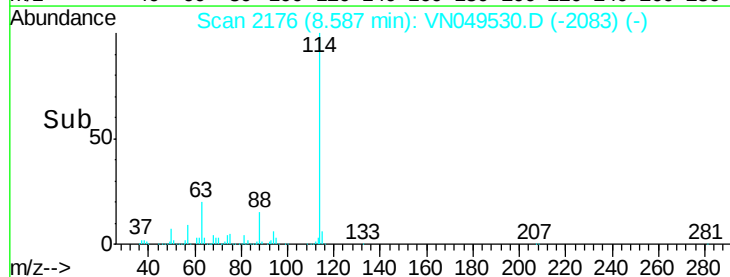
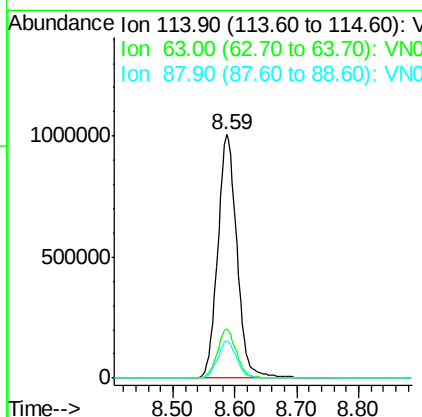
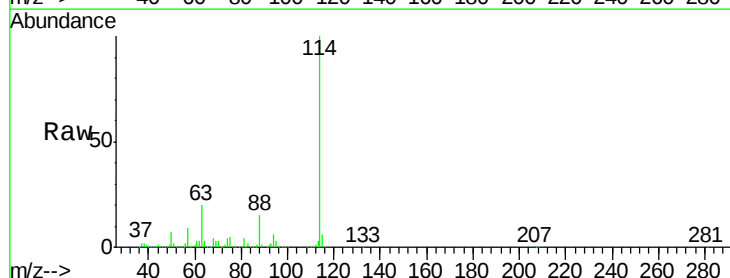
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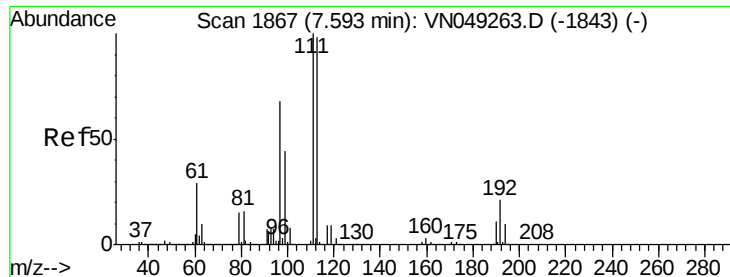
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	44.4	
88	15.2	0.0	31.4	





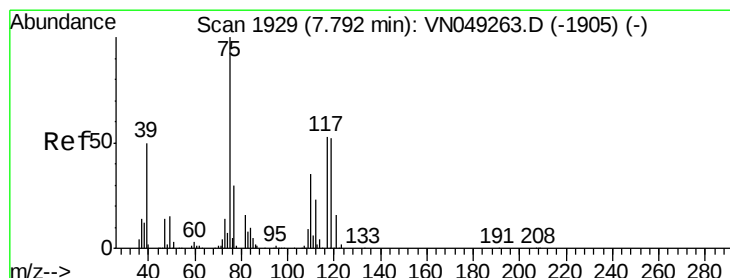
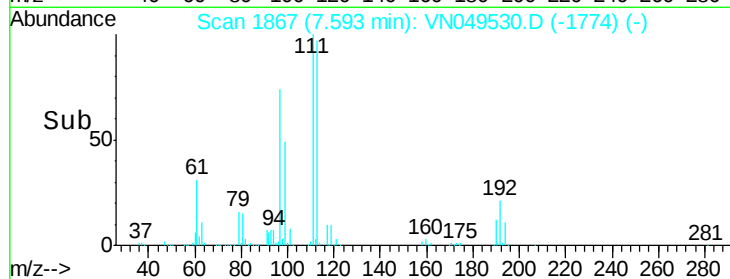
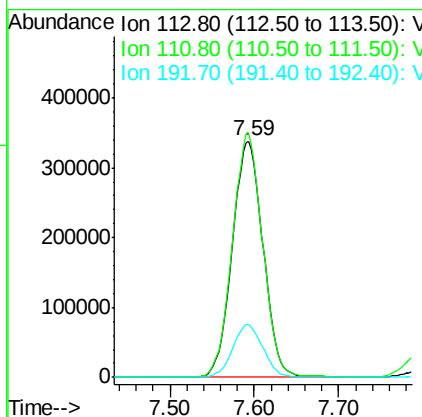
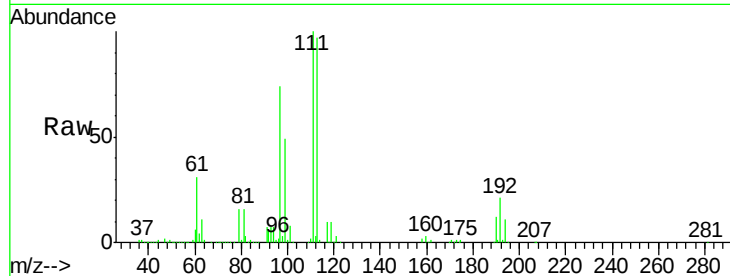
#35
 Dibromofluoromethane
 Concen: 48.98 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	858920		
111	101.9	82.4	123.6	
192	21.9	15.0	22.6	

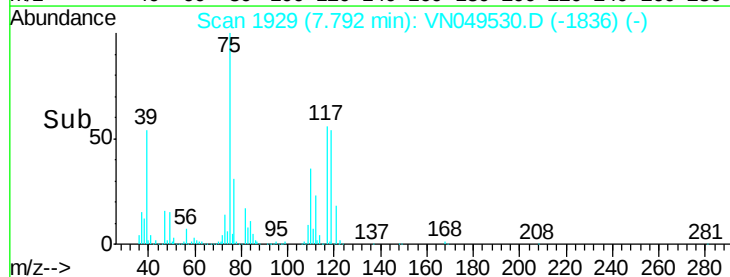
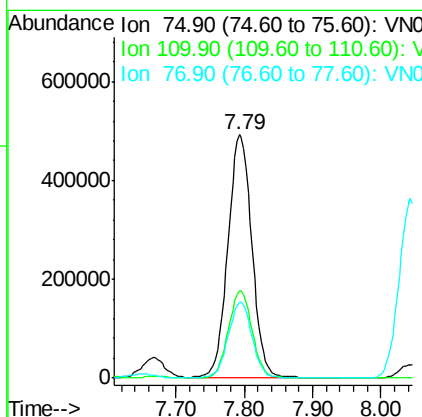
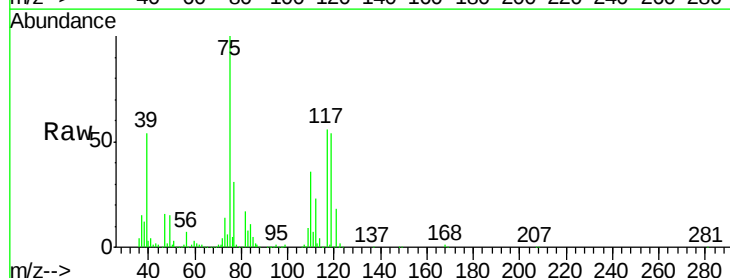
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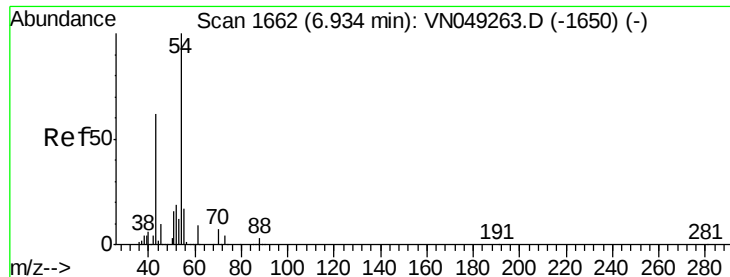
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#36
 1,1-Dichloropropene
 Concen: 48.51 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1205084		
110	35.6	17.0	50.9	
77	30.9	24.4	36.6	





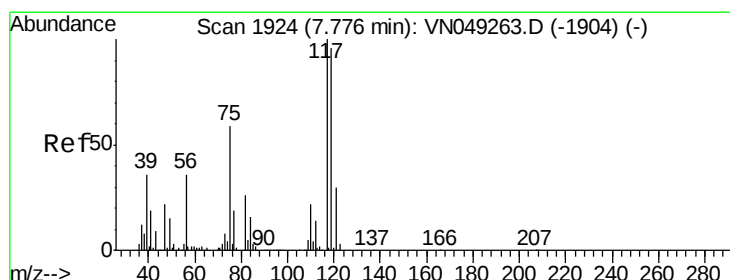
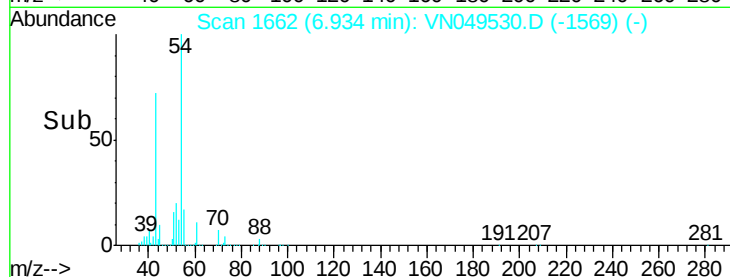
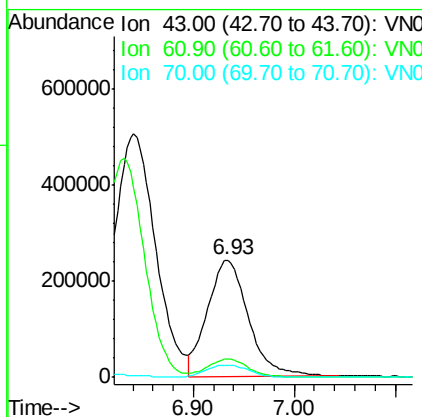
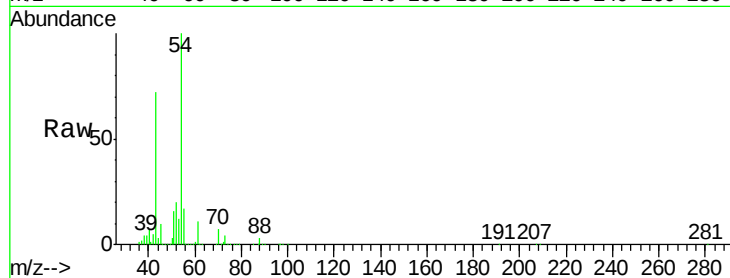
#37
Ethyl Acetate
Concen: 50.40 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.0	16.4
70	10.6	7.2	10.8

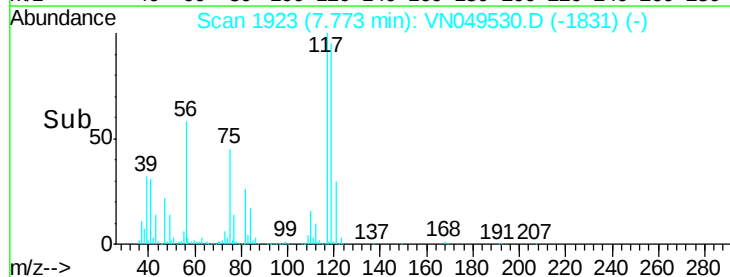
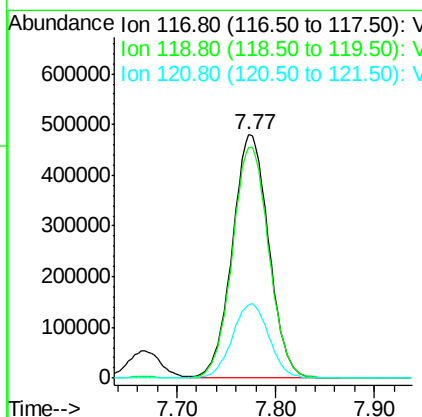
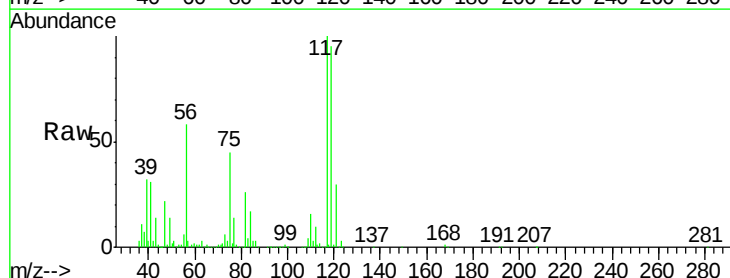
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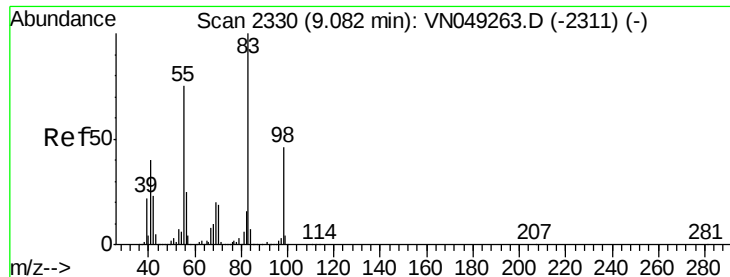
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#38
Carbon Tetrachloride
Concen: 47.61 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.6	113.4
121	30.4	24.7	37.1





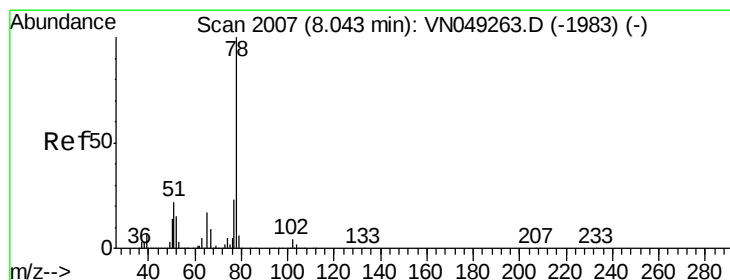
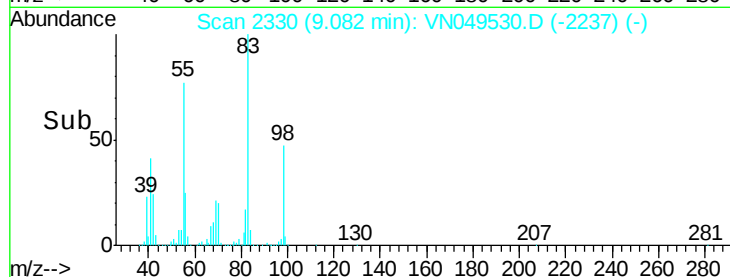
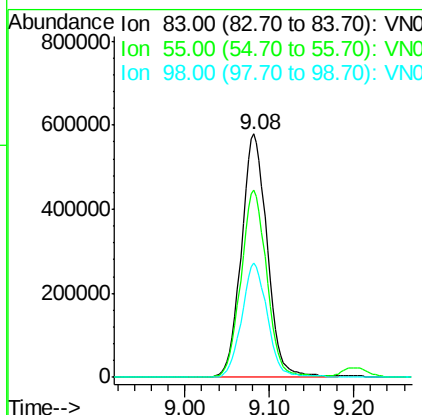
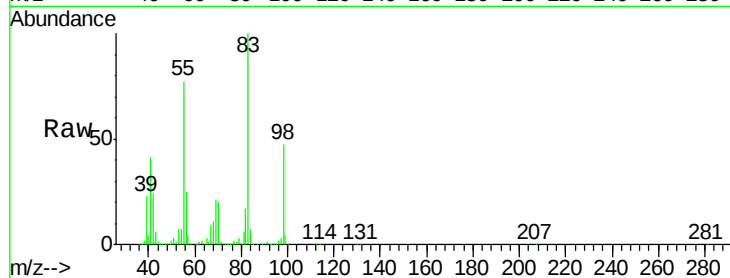
#39
Methvlcvclohexane
Concen: 46.42 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	65.1	97.7
98	47.0	36.5	54.7

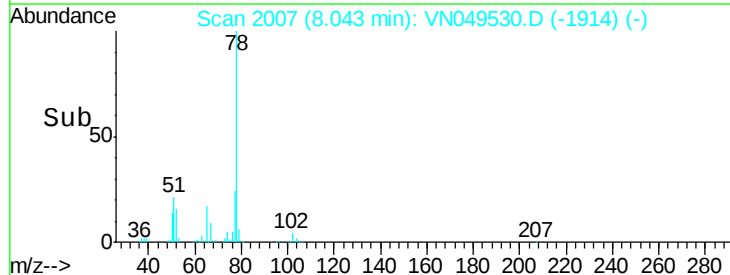
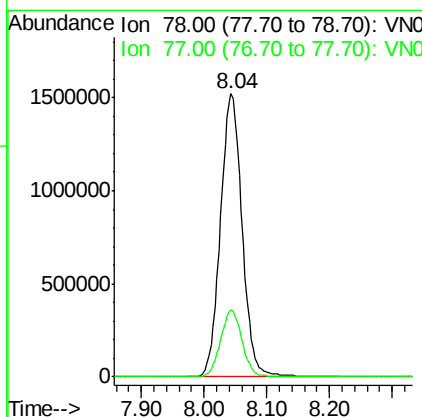
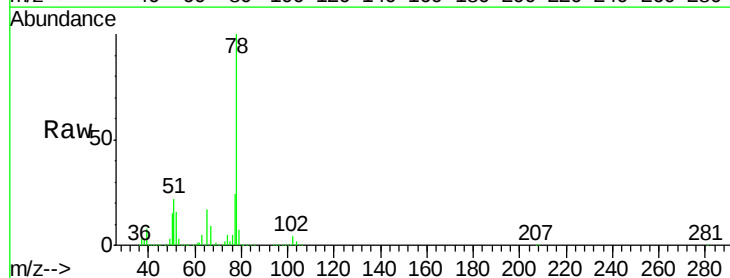
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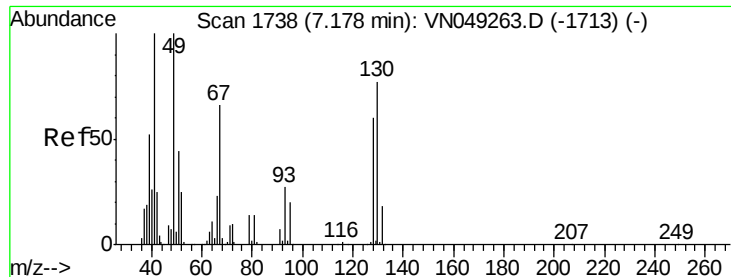
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#40
Benzene
Concen: 47.81 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





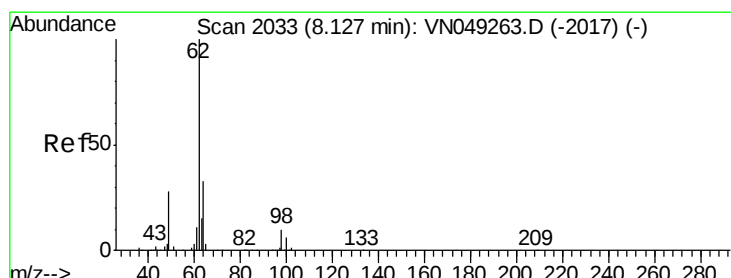
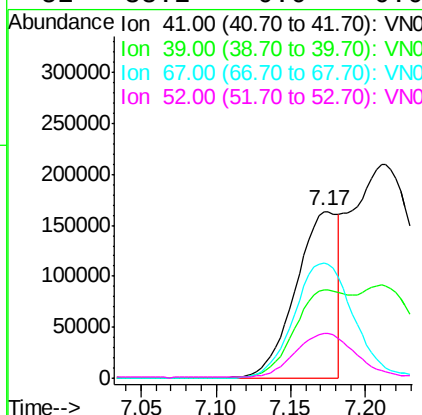
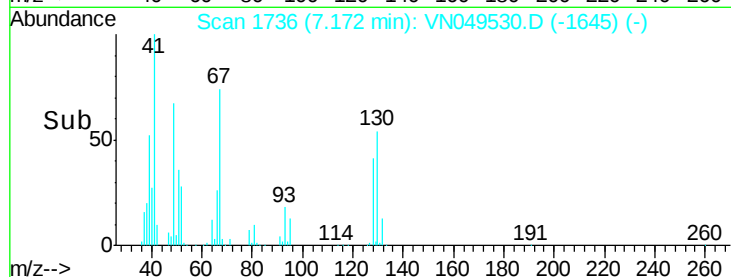
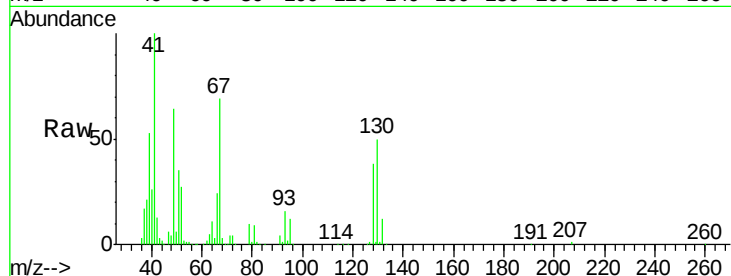
#41
Methacrylonitrile
Concen: 43.71 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	319144
Ion	Ratio	Lower	Upper
41	100		
39	68.8	0.0	0.0#
67	98.8	0.0	0.0#
52	38.2	0.0	0.0#

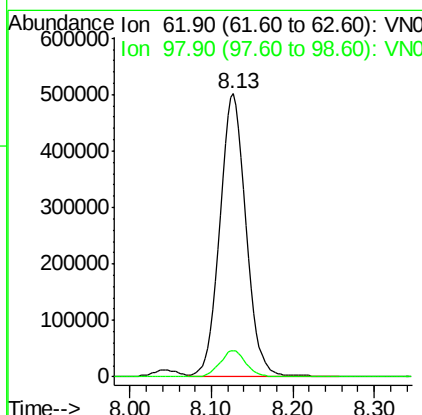
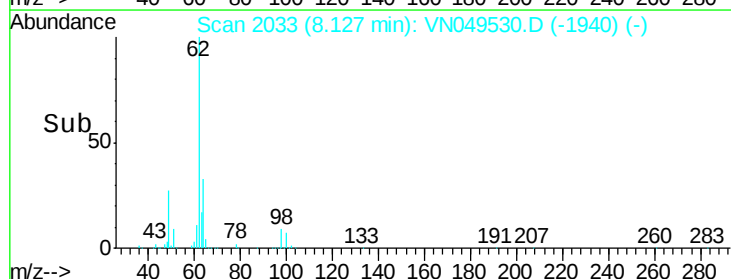
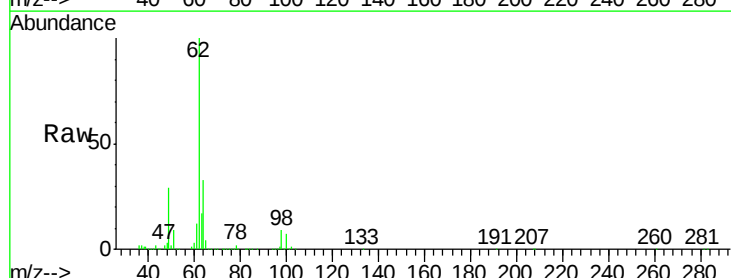
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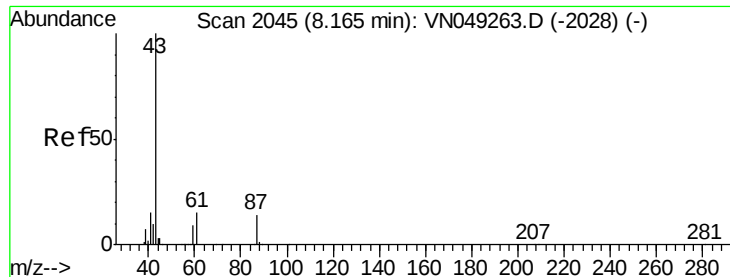
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#42
1,2-Dichloroethane
Concen: 48.27 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	62	Resp	1135835
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.2





#43

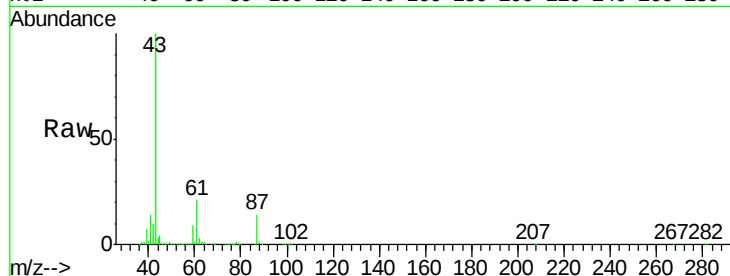
Isopropyl Acetate
 Concen: 49.61 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	14.2	21.4
87	13.6	9.4	14.0

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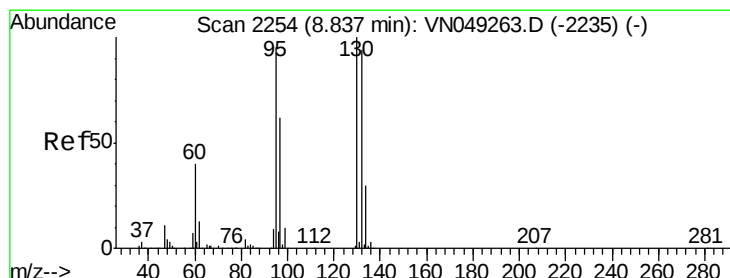
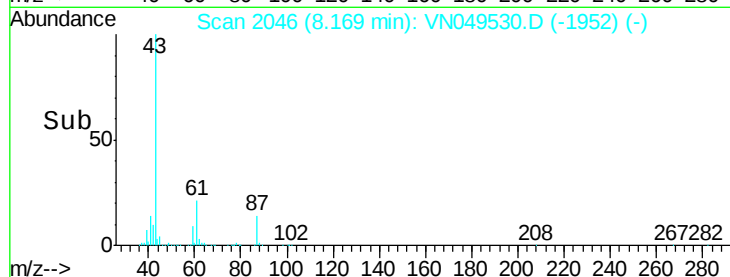
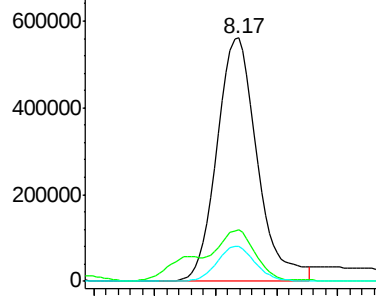
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Abundance Ion 43.00 (42.70 to 43.70): VN049530.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049530.D (-1952) (-)

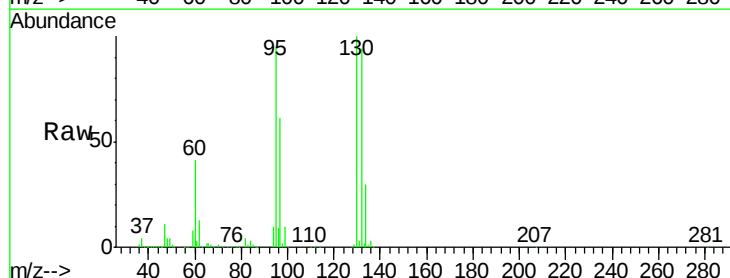
Ion 87.00 (86.70 to 87.70): VN049530.D (-1952) (-)



#44

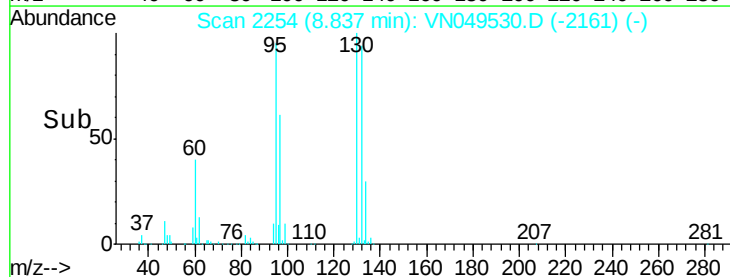
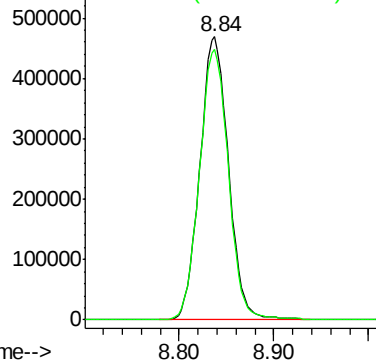
Trichloroethene
 Concen: 49.11 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049530.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049530.D (-2161) (-)





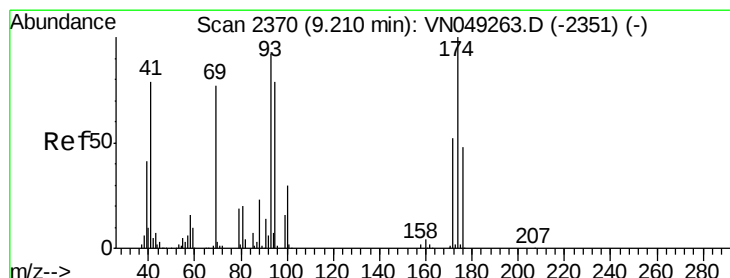
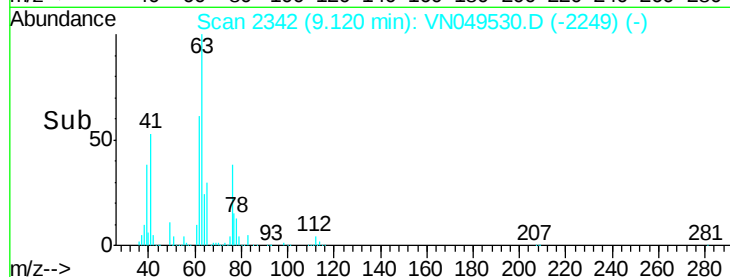
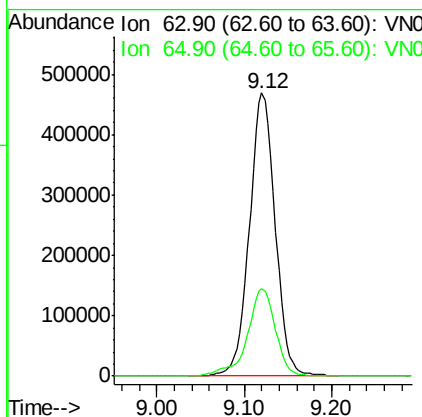
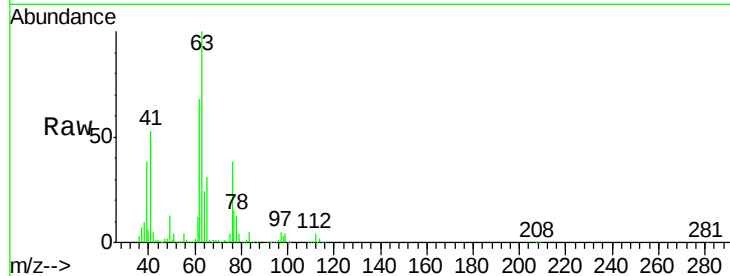
#45
 1,2-Dichloropropane
 Concen: 48.14 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 959970
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

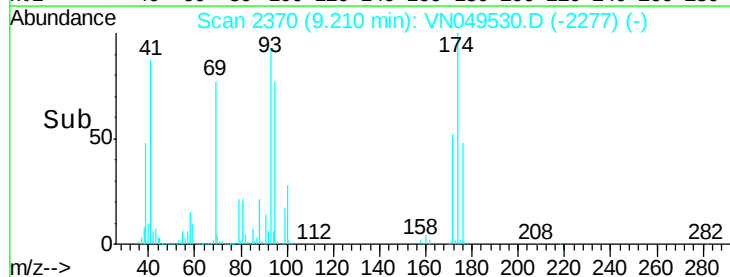
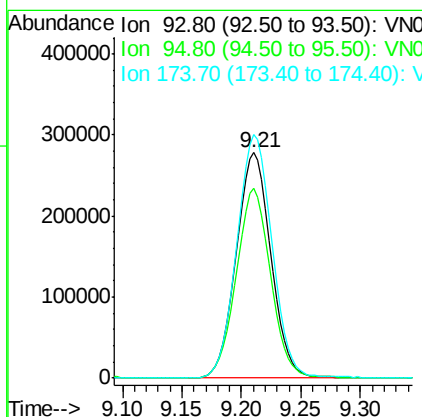
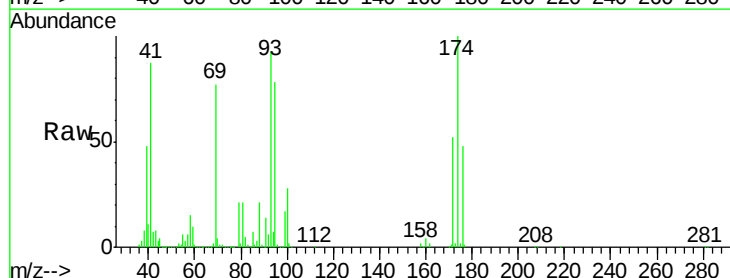
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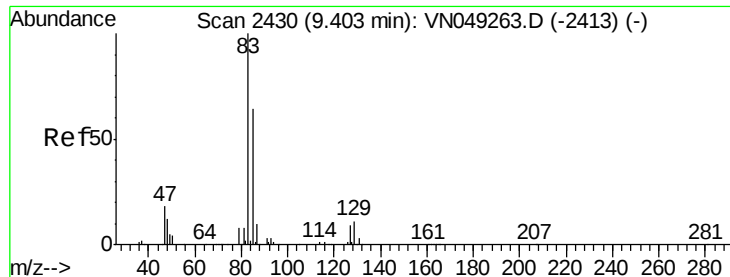
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#46
 Dibromomethane
 Concen: 48.77 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion: 93 Resp: 563987
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.2 100.8
 174 109.3 75.6 113.4





#47

Bromodichloromethane

Concen: 49.03 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1245839

Ion Ratio Lower Upper

83 100

85 63.8 49.4 74.0

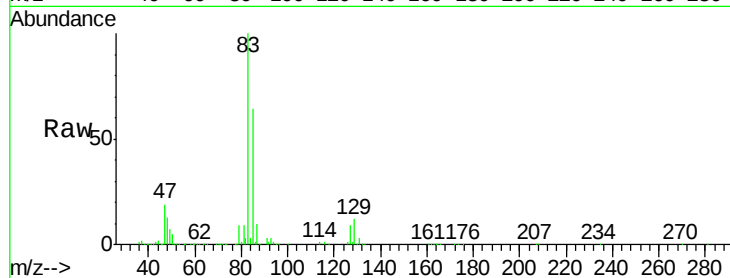
127 8.8 6.3 9.5

Manual Integrations

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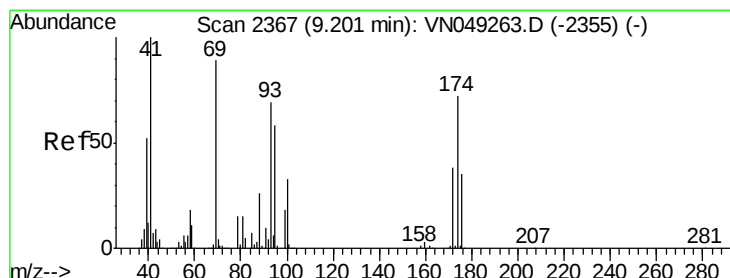
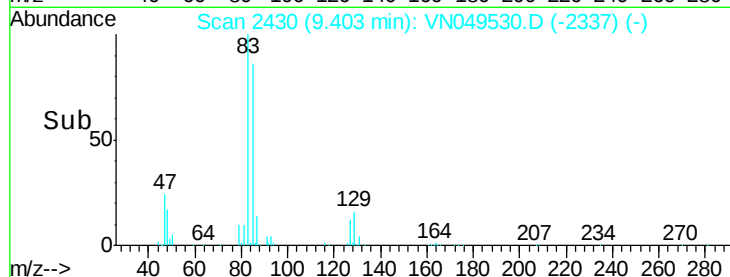
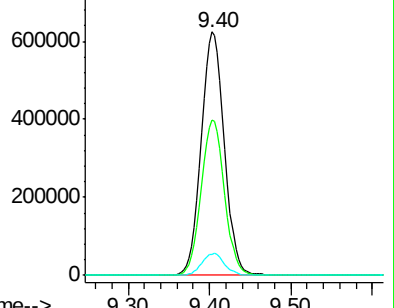
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Abundance Ion 82.90 (82.60 to 83.60): VN049530.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049530.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049530.D (-2337) (-)



#48

Methyl methacrylate

Concen: 52.57 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

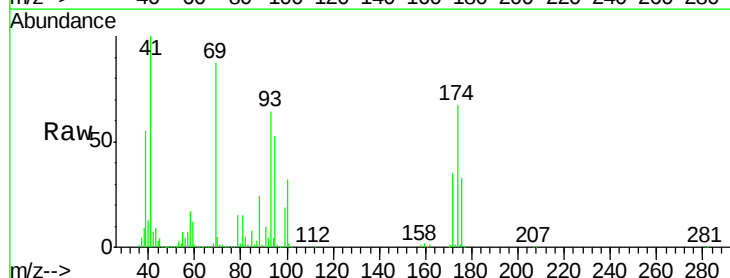
Tgt Ion: 41 Resp: 638848

Ion Ratio Lower Upper

41 100

69 87.7 62.0 93.0

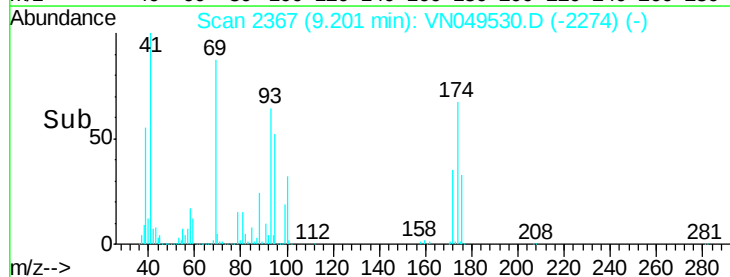
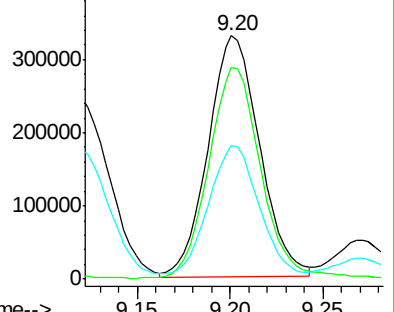
39 55.4 50.6 75.8

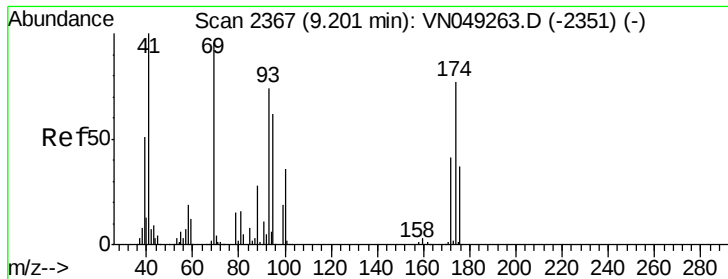


Abundance Ion 41.00 (40.70 to 41.70): VN049530.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049530.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049530.D (-2274) (-)





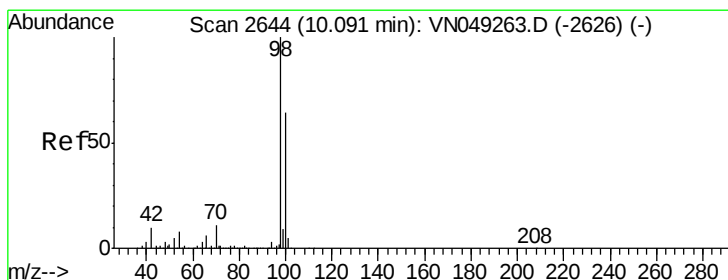
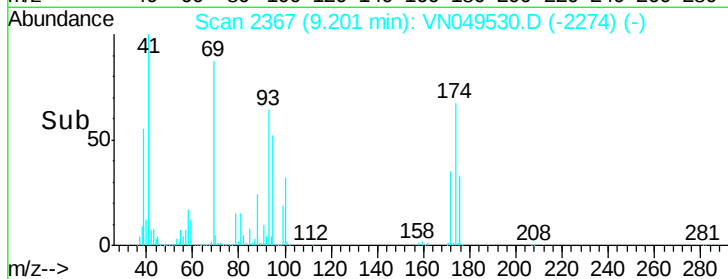
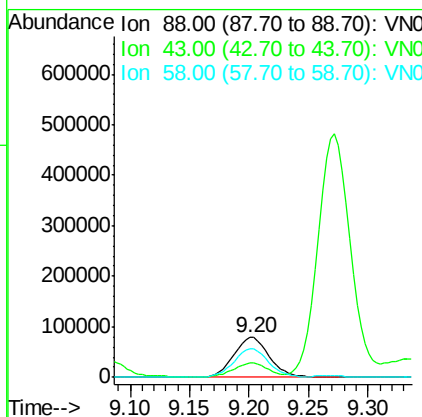
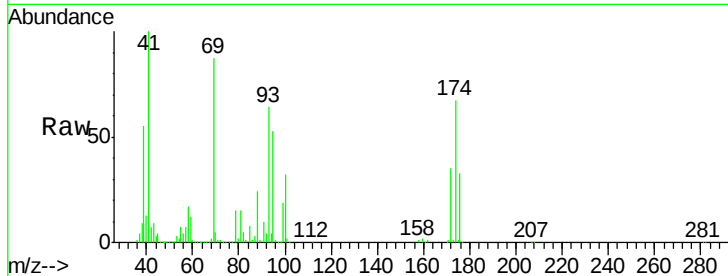
#49
1,4-Dioxane
Concen: 982.80 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	164832
Ion	Ratio	Lower	Upper
88	100		
43	32.5	30.9	46.3
58	70.4	58.9	88.3

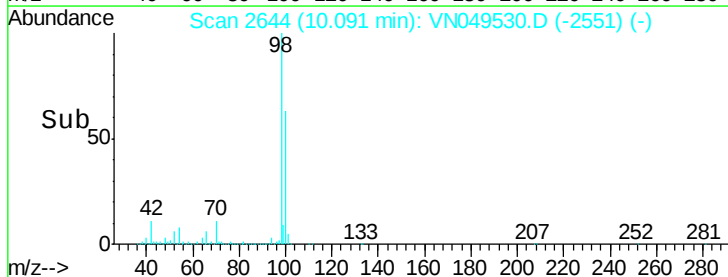
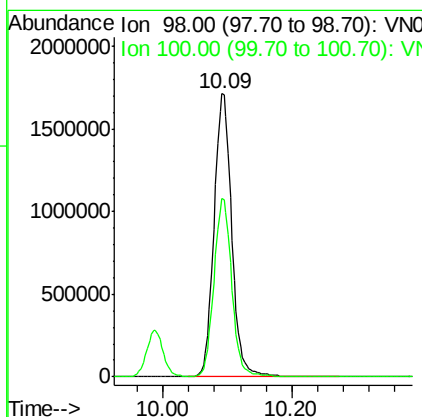
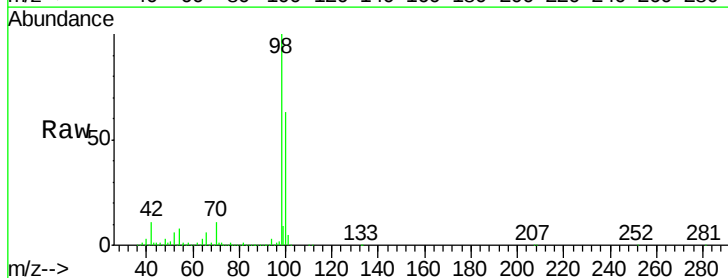
Manual Integrations
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#50
Toluene-d8
Concen: 49.07 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	98	Resp	3276374
Ion	Ratio	Lower	Upper
98	100		
100	63.3	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 254.12 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3436795

Ion Ratio Lower Upper

43 100

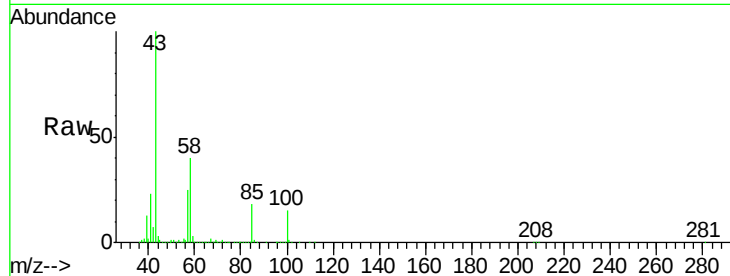
58 39.7 29.0 43.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

2000000

1500000

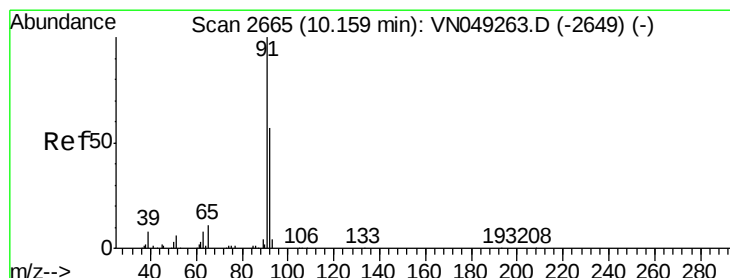
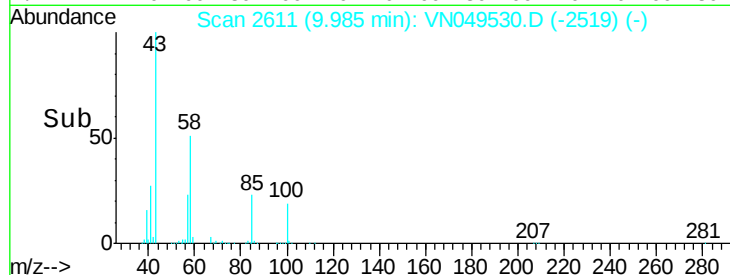
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 50.52 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049530.D

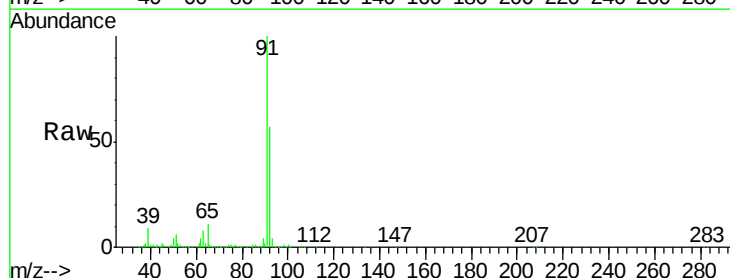
Acq: 26 Jun 2018 00:03

Tgt Ion: 92 Resp: 2258400

Ion Ratio Lower Upper

92 100

91 175.3 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)

2000000

1500000

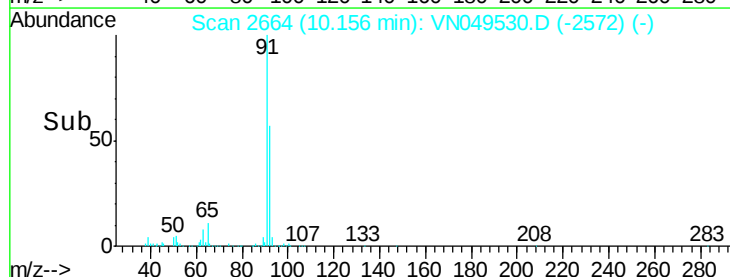
1000000

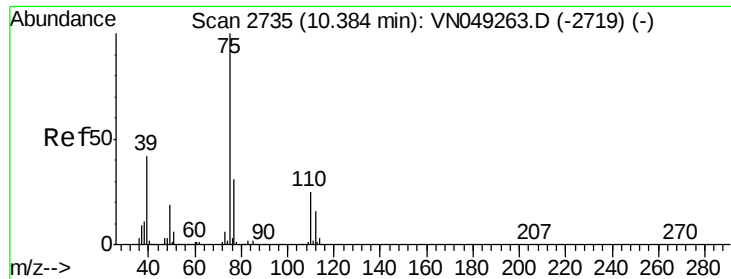
500000

0

10.00 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.06 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 1192639

Ion Ratio Lower Upper

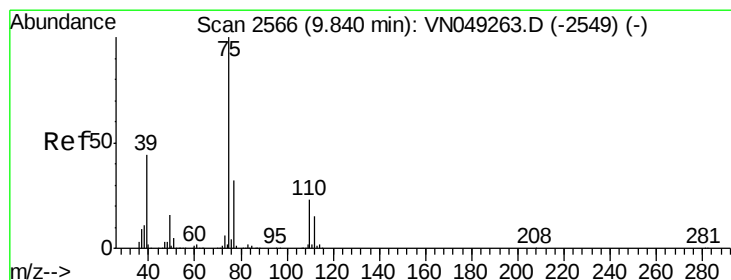
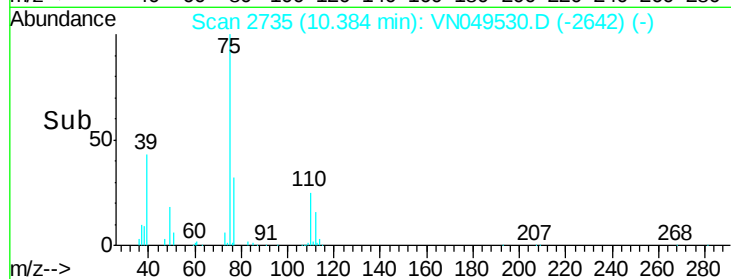
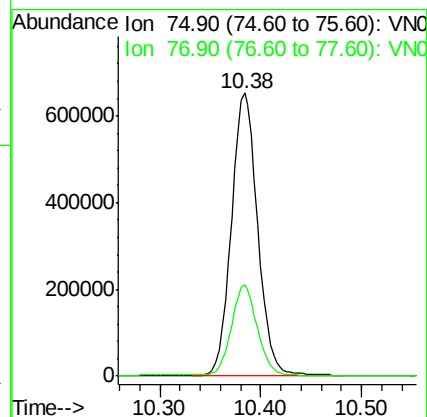
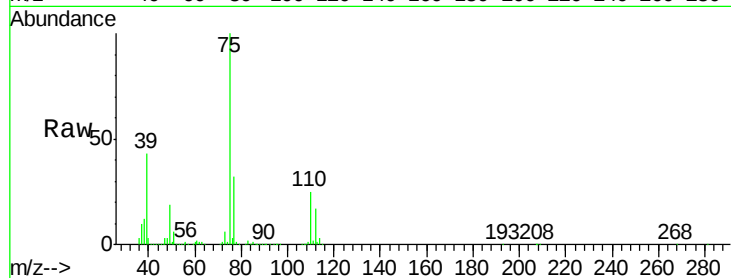
75 100

77 32.1 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 48.54 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

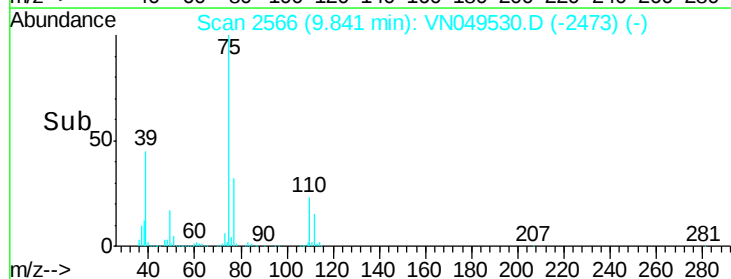
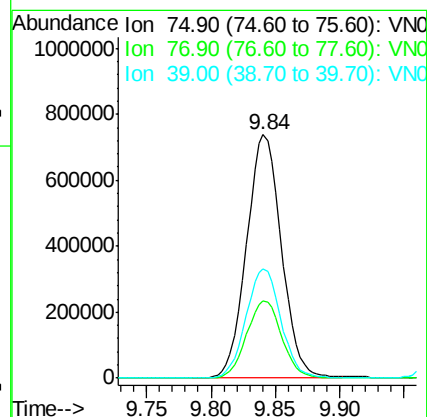
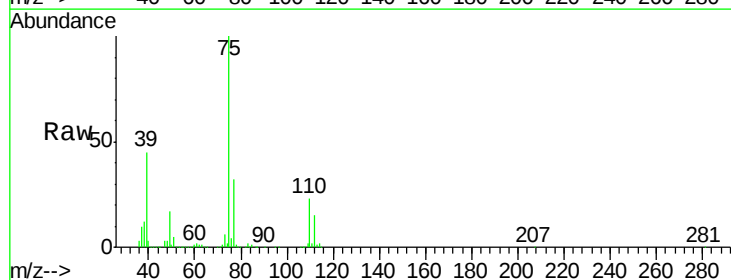
Tgt Ion: 75 Resp: 1393387

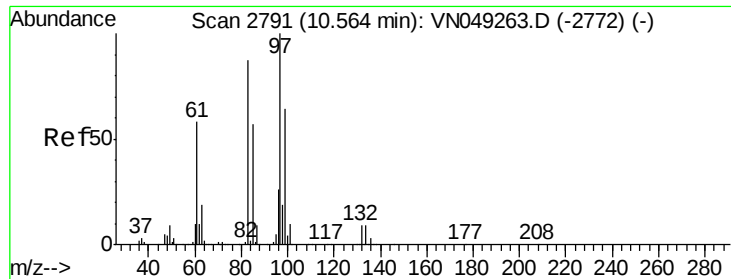
Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 45.0 45.1 67.7#





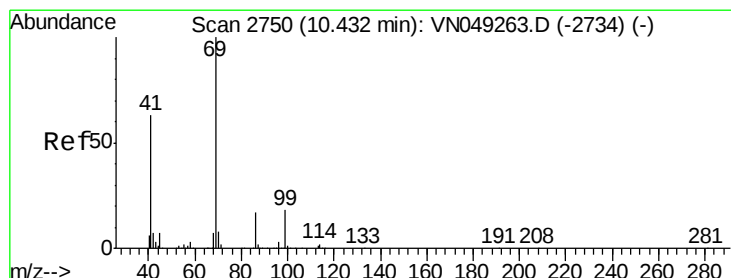
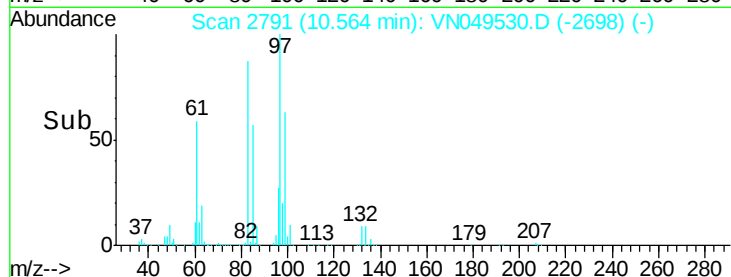
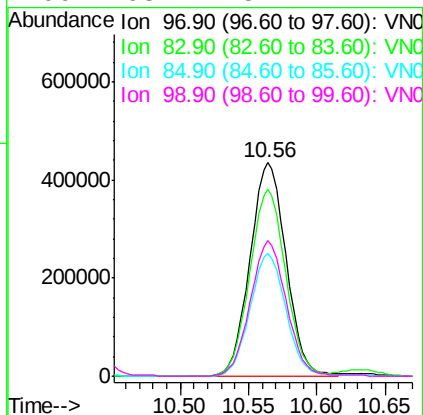
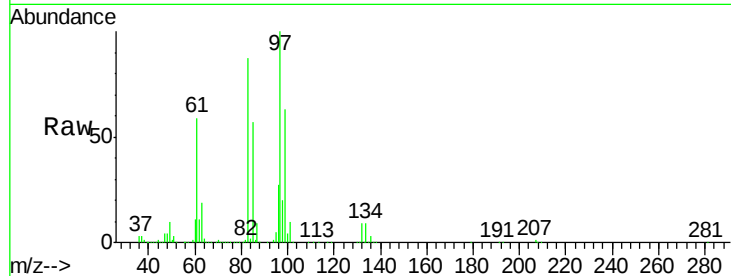
#55
 1,1,2-Trichloroethane
 Concen: 47.96 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		799226		
83	87.2	71.5	107.3		
85	57.4	47.0	70.4		
99	63.1	51.4	77.2		

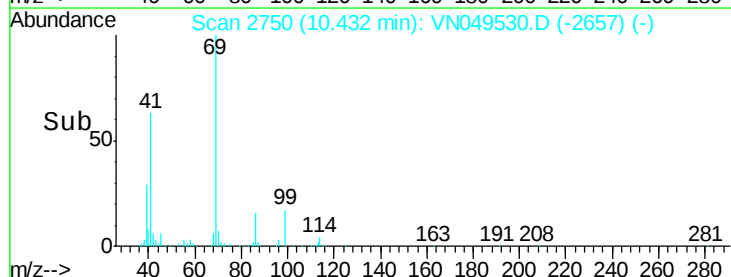
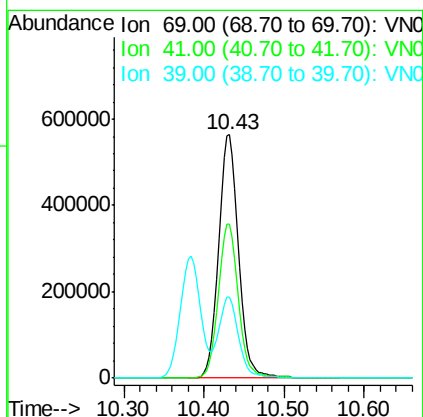
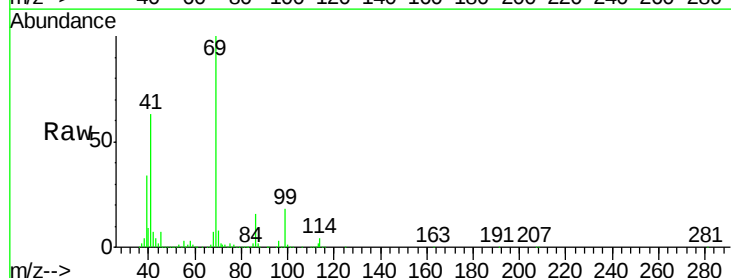
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 50.91 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		978760		
41	63.8	58.4	87.6		
39	32.8	35.5	53.3#		





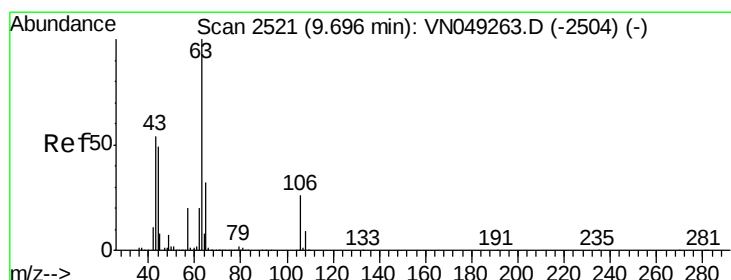
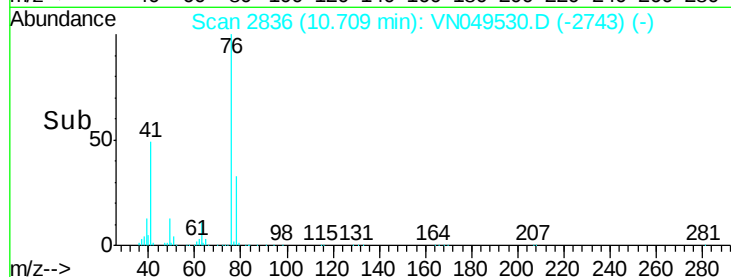
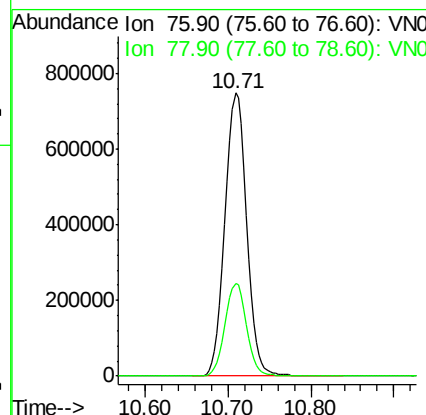
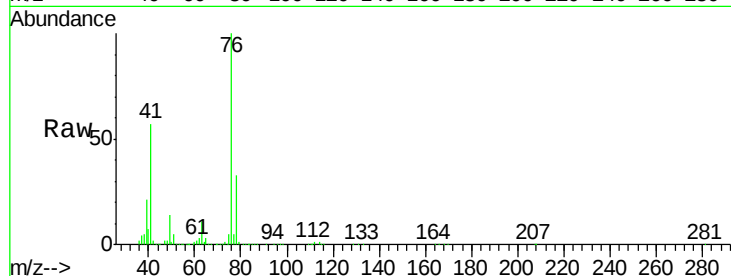
#57
 1,3-Dichloropropane
 Concen: 49.13 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1356455
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5

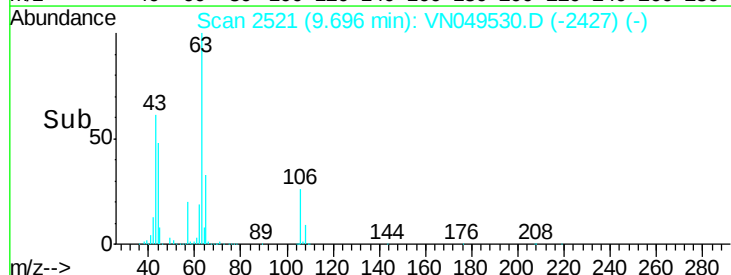
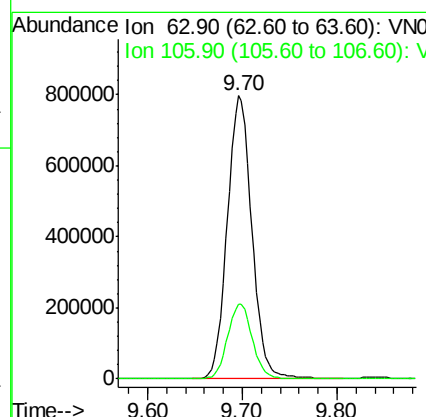
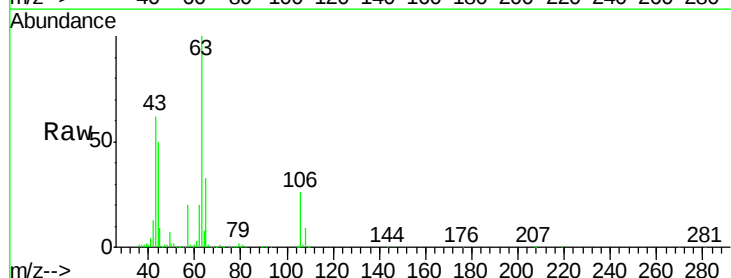
Manual Integrations
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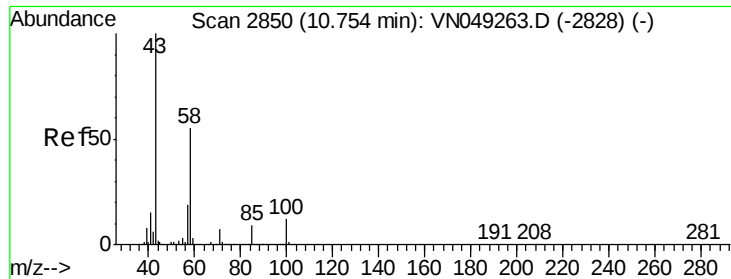
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#58
 2-Chloroethyl Vinyl ether
 Concen: 212.05 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion: 63 Resp: 1441642
 Ion Ratio Lower Upper
 63 100
 106 26.7 19.4 29.2





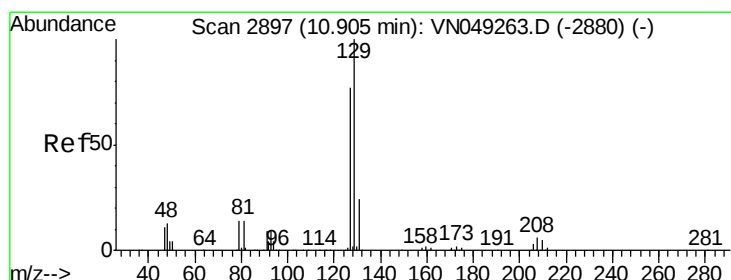
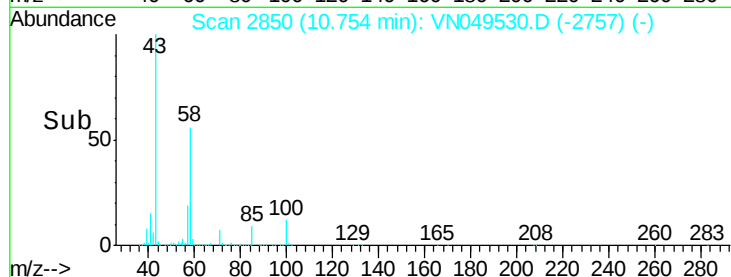
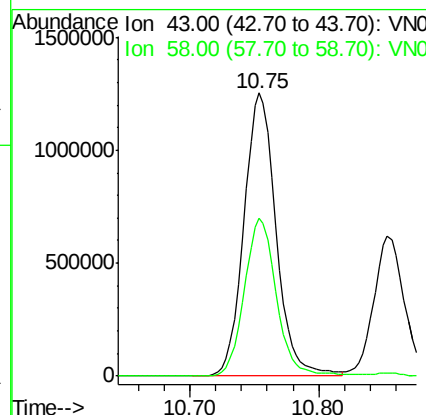
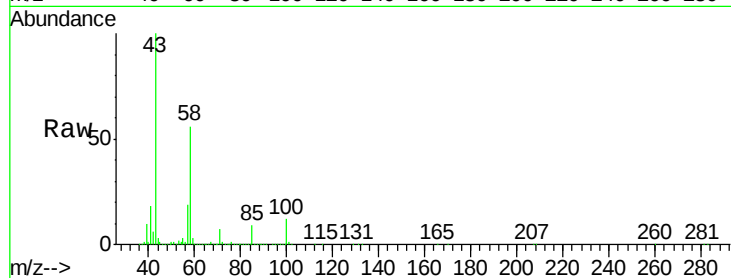
#59
2-Hexanone
Concen: 248.51 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2166810
Ion Ratio Lower Upper
43 100
58 55.7 25.2 75.6

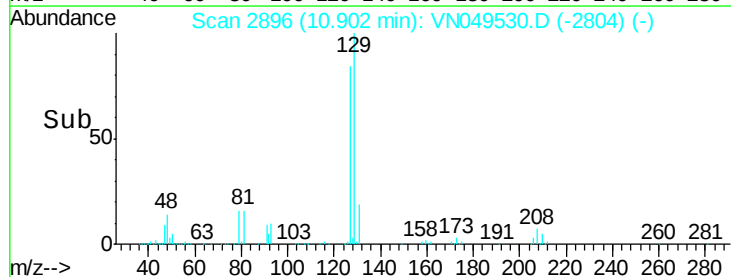
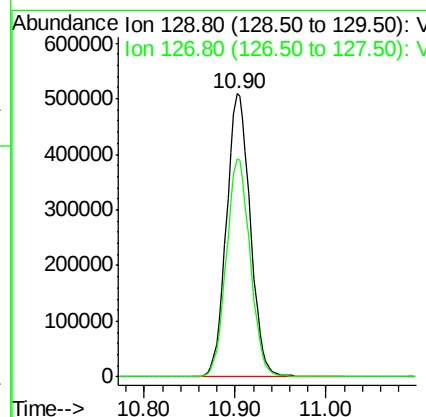
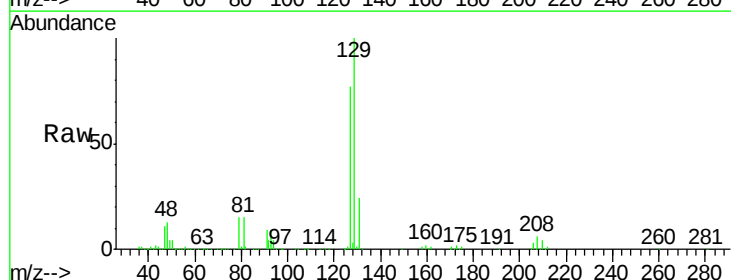
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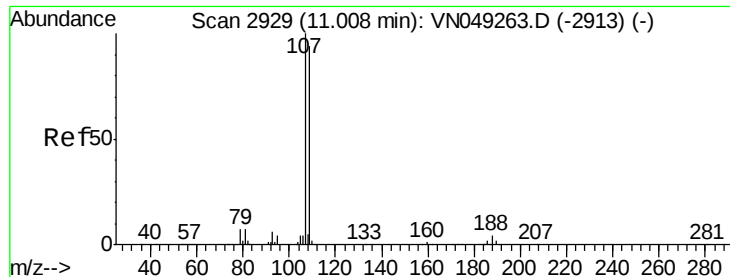
apatel
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#60
Dibromochloromethane
Concen: 49.82 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion: 129 Resp: 926729
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.2





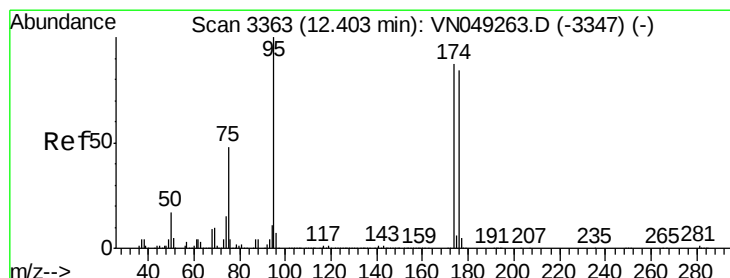
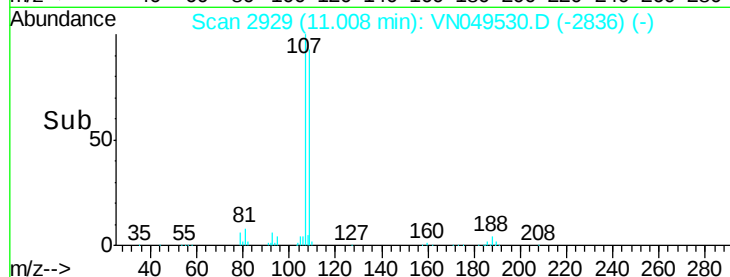
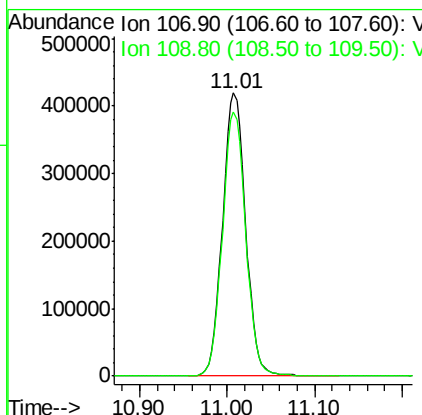
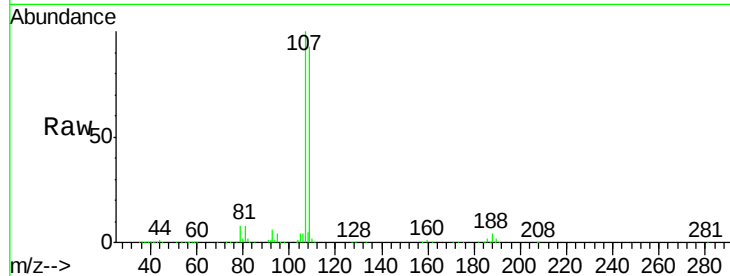
#61
 1,2-Dibromoethane
 Concen: 49.76 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 770779
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2

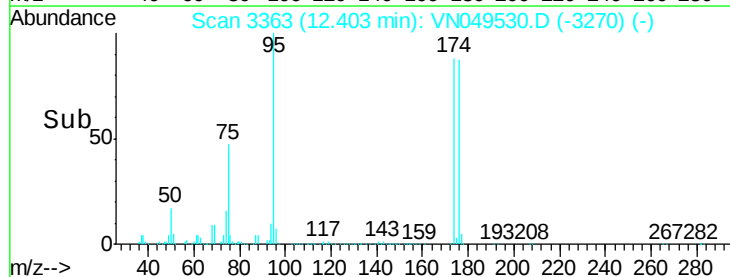
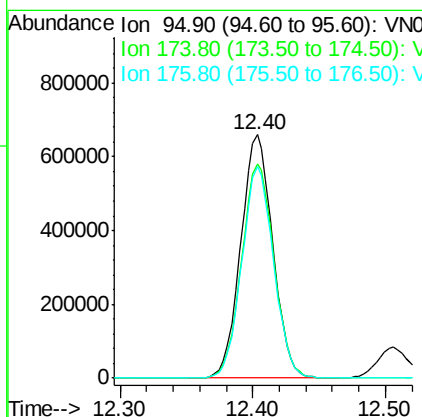
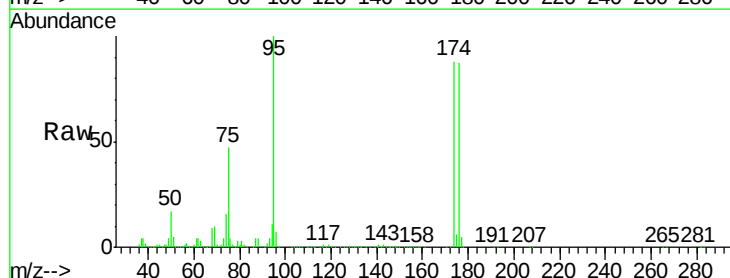
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 49.98 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion: 95 Resp: 1103512
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 165.6
 176 86.5 0.0 157.4





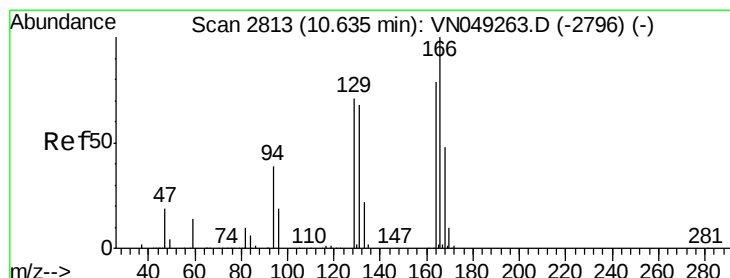
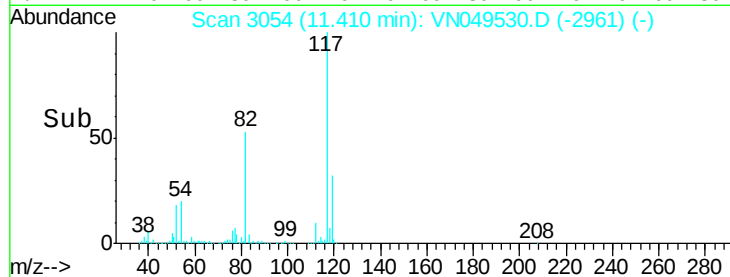
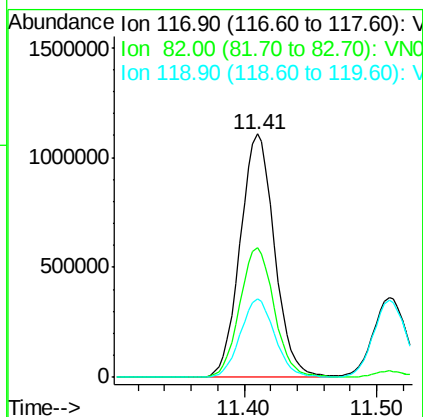
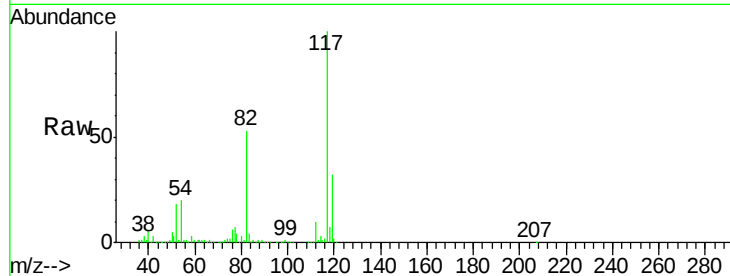
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.9	68.9
119	32.1	25.5	38.3

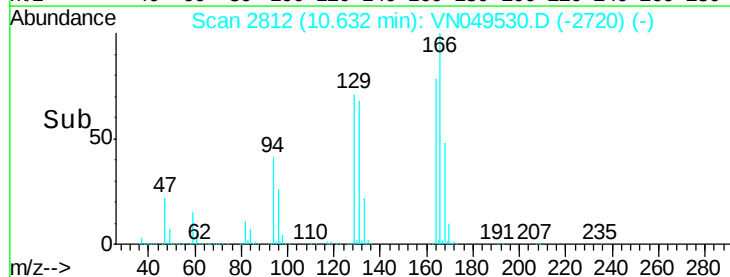
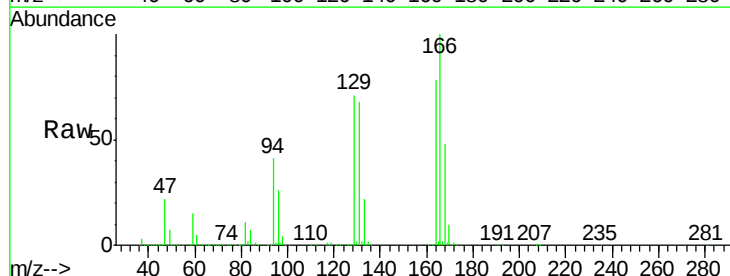
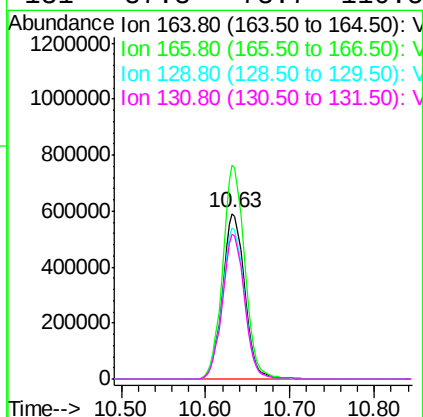
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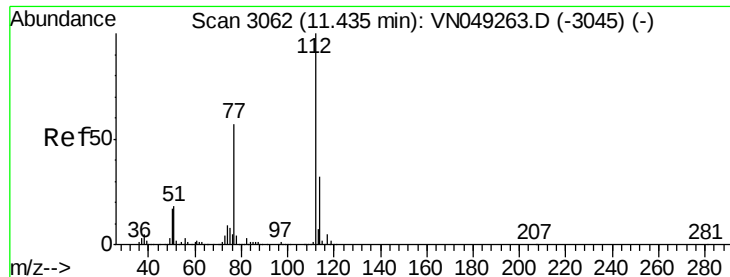
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#64
Tetrachloroethene
Concen: 52.76 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.4	152.2
129	91.2	74.1	111.1
131	87.3	73.7	110.5





#65

Chlorobenzene

Concen: 48.12 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2471801

Ion Ratio Lower Upper

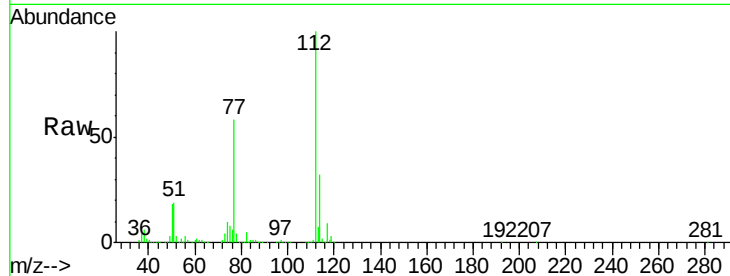
112 100

114 31.7 26.2 39.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

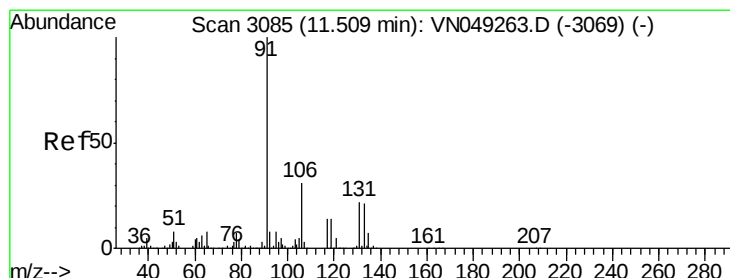
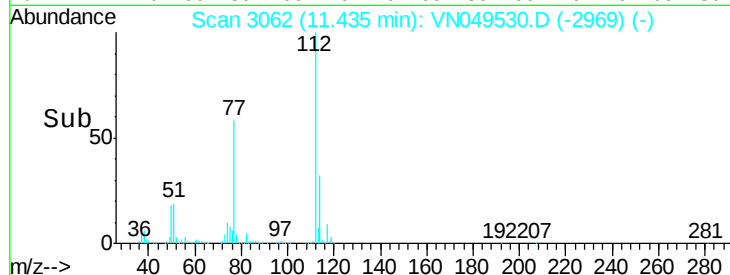
1500000

1000000

500000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.43 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

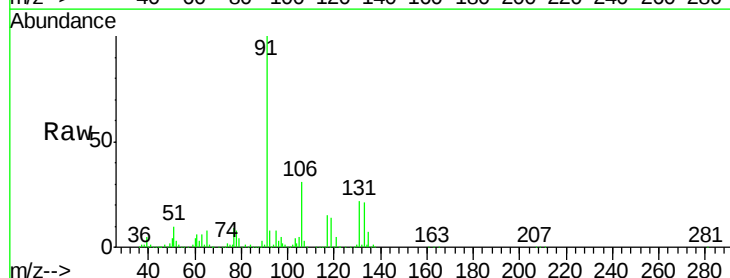
Tgt Ion:131 Resp: 936290

Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

119 65.5 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

11.51

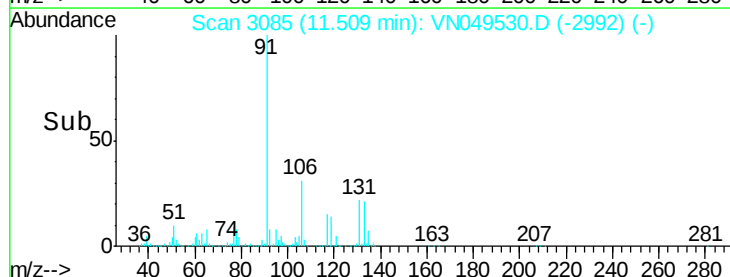
600000

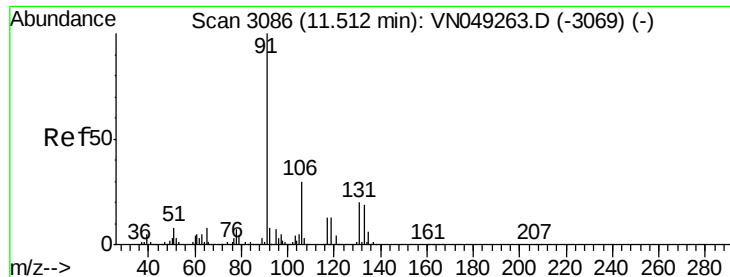
400000

200000

0

Time-->





#67

Ethyl Benzene

Concen: 50.25 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 4281689

Ion Ratio Lower Upper

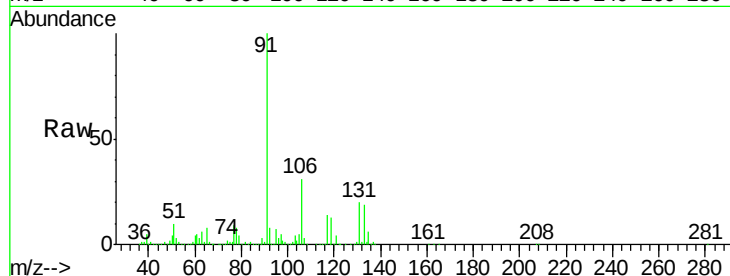
91 100

106 30.7 23.9 35.9

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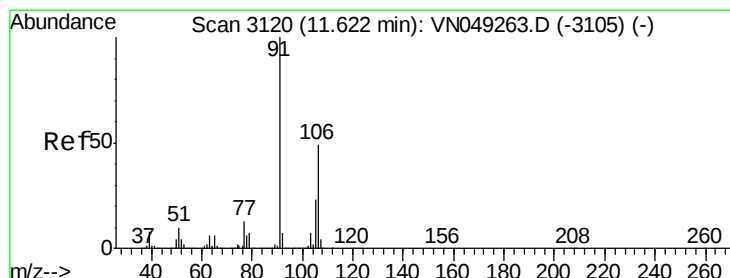
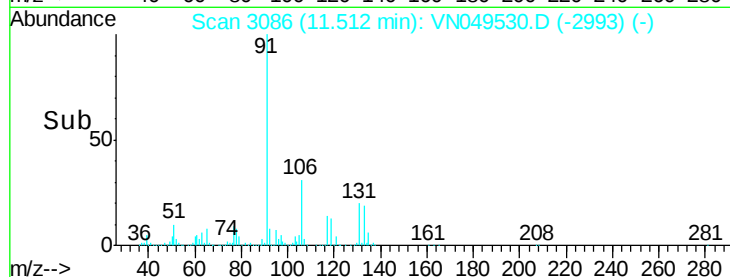
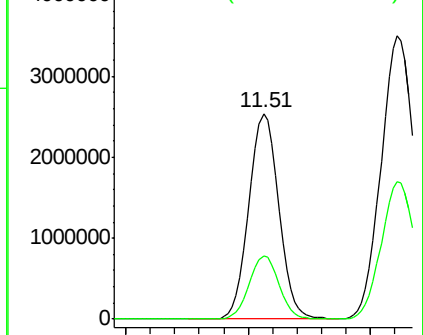
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Abundance Ion 91.00 (90.70 to 91.70): VN049530.D (-2993) (-)

Ion 106.00 (105.70 to 106.70): VN049530.D (-2993) (-)



#68

m/p-Xylenes

Concen: 102.59 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049530.D

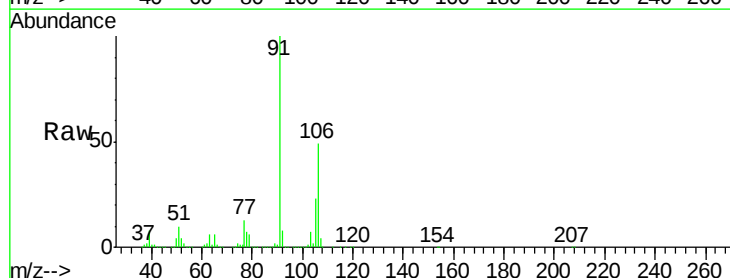
Acq: 26 Jun 2018 00:03

Tgt Ion: 106 Resp: 3280698

Ion Ratio Lower Upper

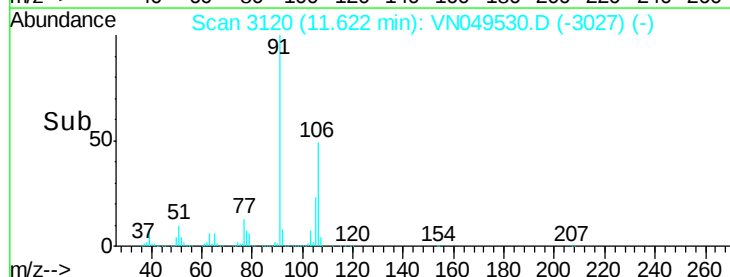
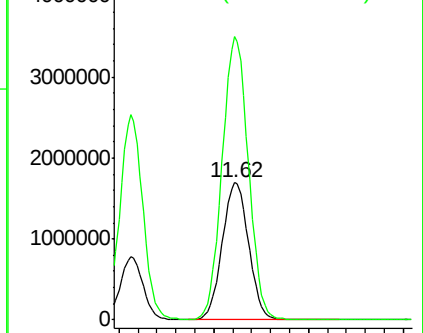
106 100

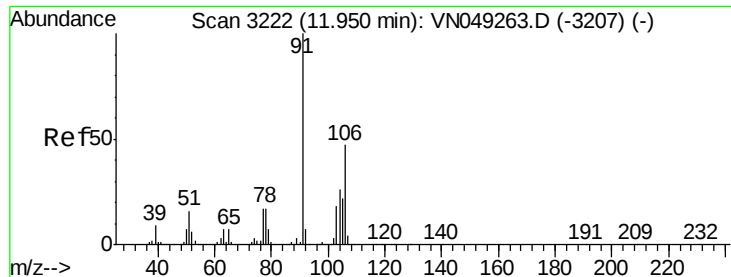
91 205.0 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049530.D (-3027) (-)

Ion 91.00 (90.70 to 91.70): VN049530.D (-3027) (-)





#69

o-Xylene

Concen: 51.22 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 1577658

Ion Ratio Lower Upper

106 100

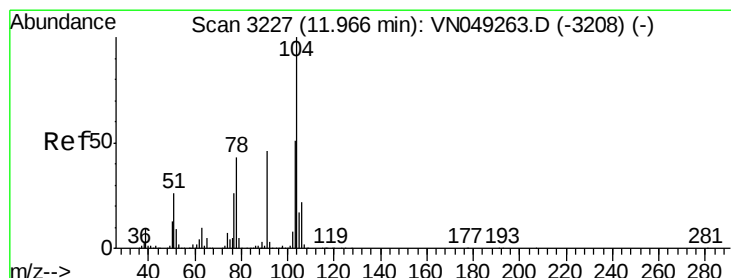
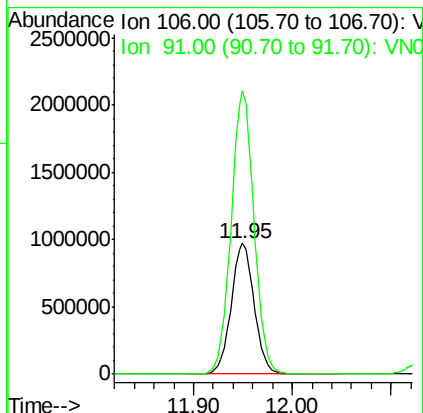
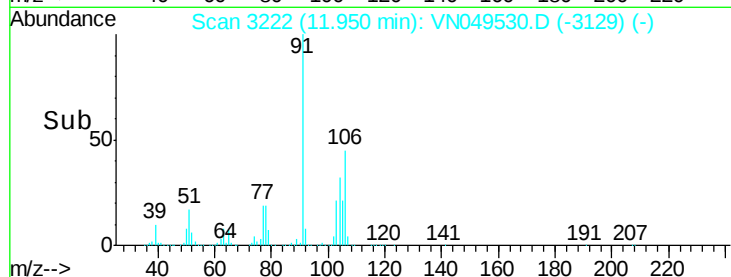
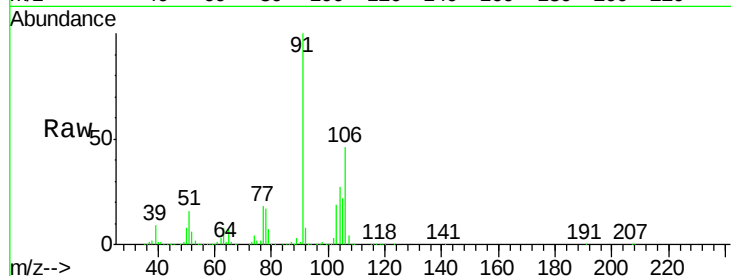
91 215.4 111.0 333.0

Manual Integrations

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#70

Styrene

Concen: 52.17 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

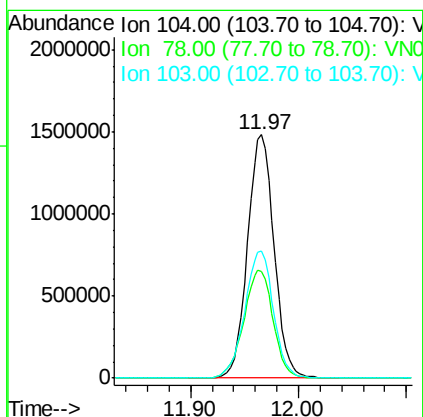
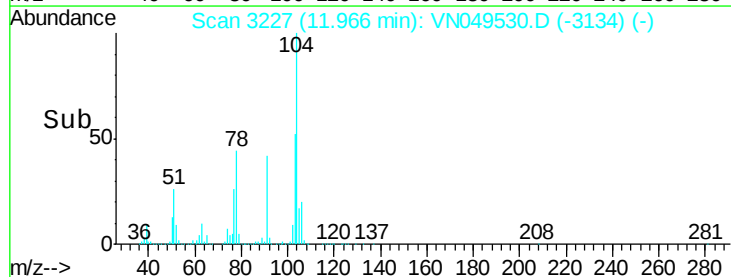
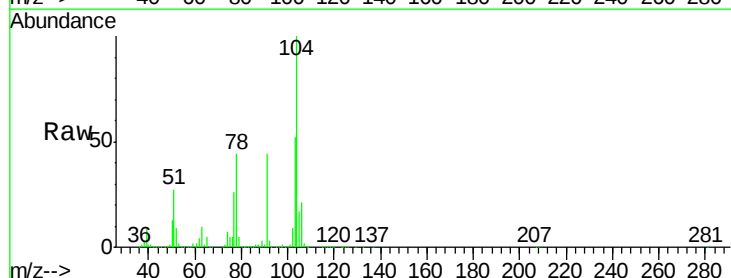
Tgt Ion:104 Resp: 2534987

Ion Ratio Lower Upper

104 100

78 49.2 41.6 62.4

103 56.5 45.4 68.2





#71

Bromoform

Concen: 49.15 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 615085

Ion Ratio Lower Upper

173 100

175 49.5 24.5 73.5

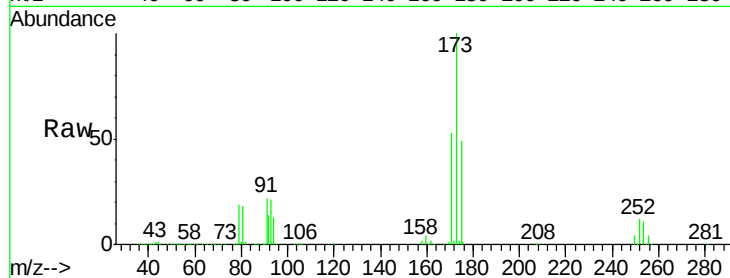
254 0.1 0.1 0.1#

Manual Integrations

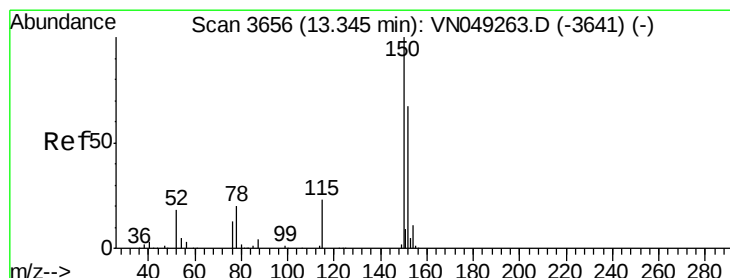
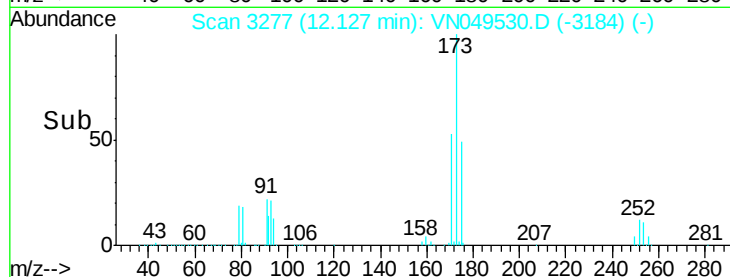
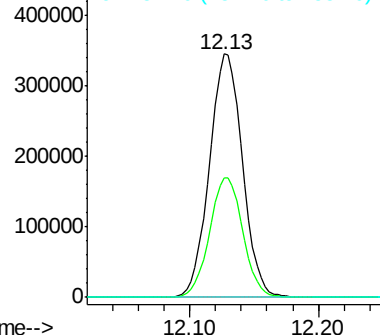
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

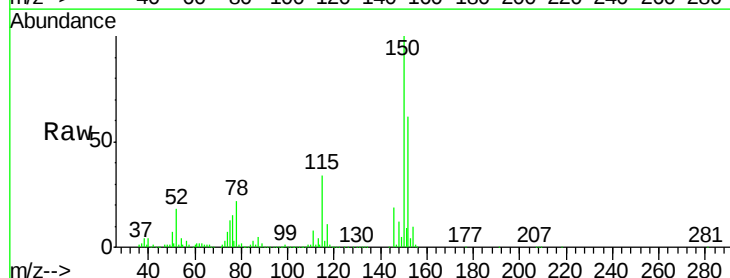
Tgt Ion:152 Resp: 1013785

Ion Ratio Lower Upper

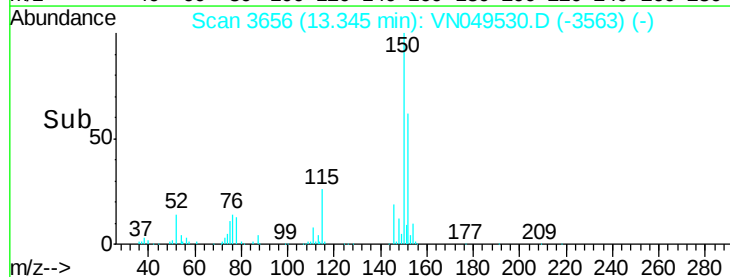
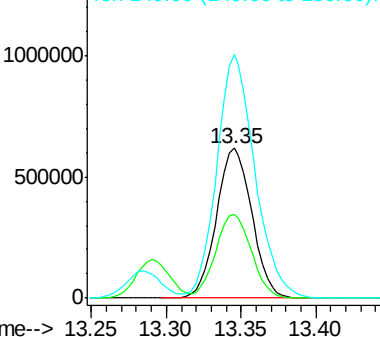
152 100

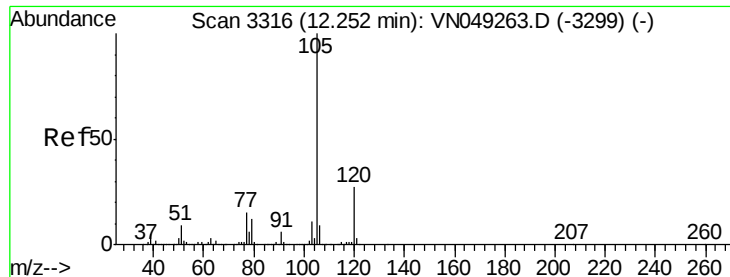
115 56.5 28.7 86.1

150 175.3 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: 47.55 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4232458

Ion Ratio Lower Upper

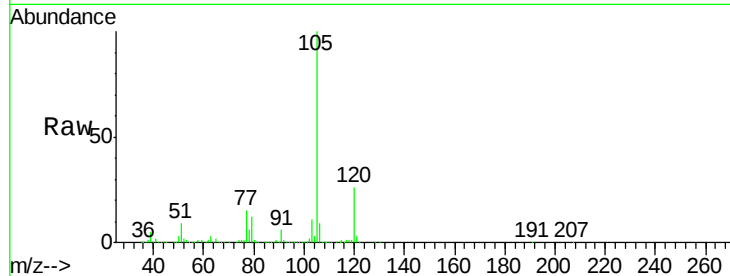
105 100

120 26.3 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000000

2500000

2000000

1500000

1000000

500000

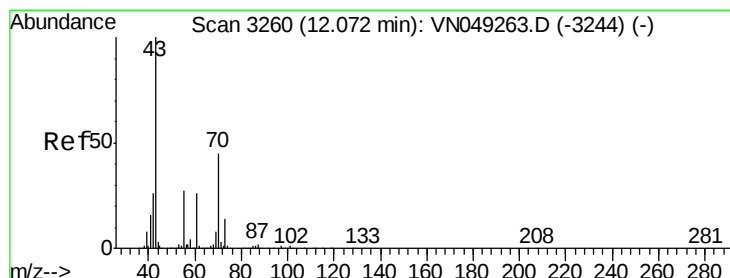
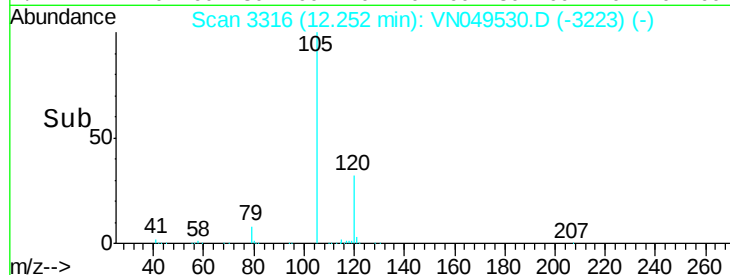
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 47.60 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Tgt Ion: 43 Resp: 1037878

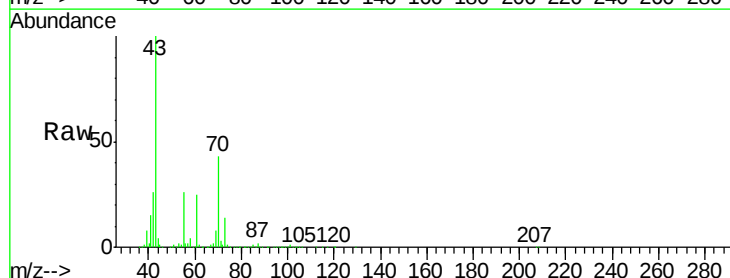
Ion Ratio Lower Upper

43 100

70 44.0 30.3 45.5

55 26.5 19.4 29.2

61 24.6 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

1000000

800000

600000

400000

200000

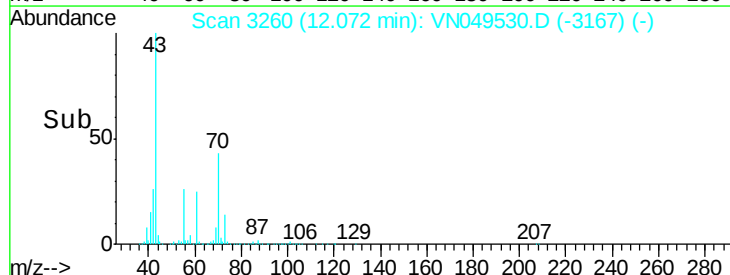
0

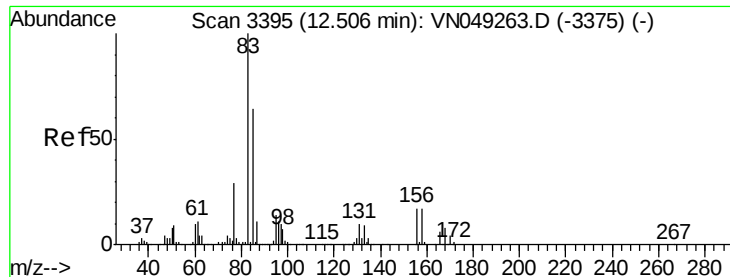
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.75 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

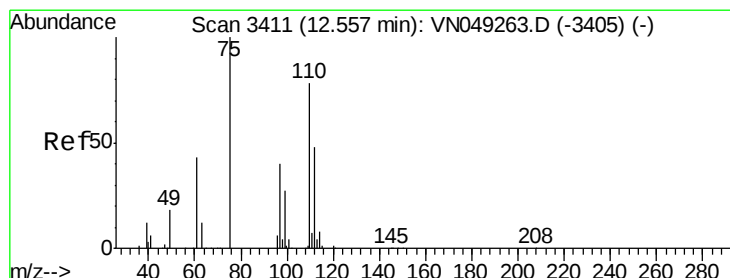
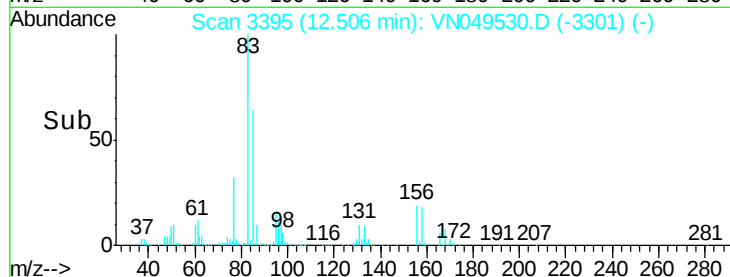
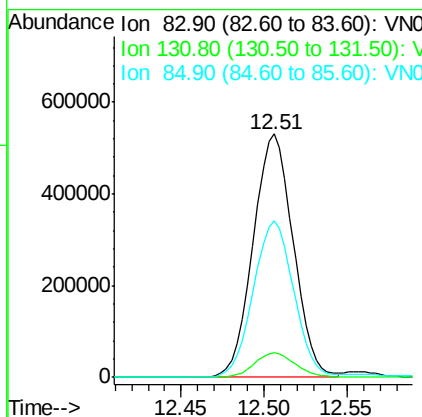
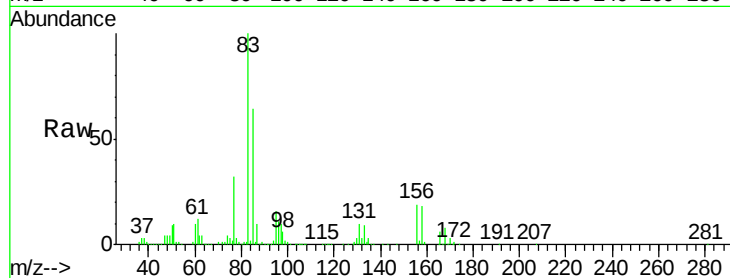
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	893761
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.6	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.35 ug/l m

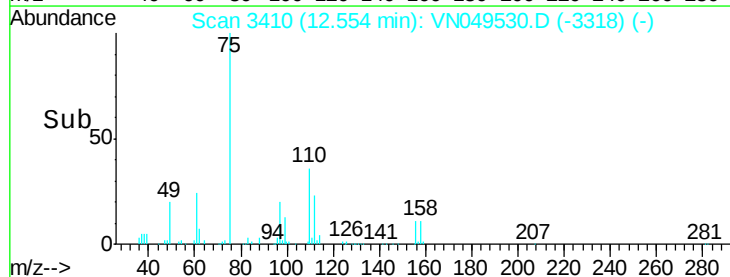
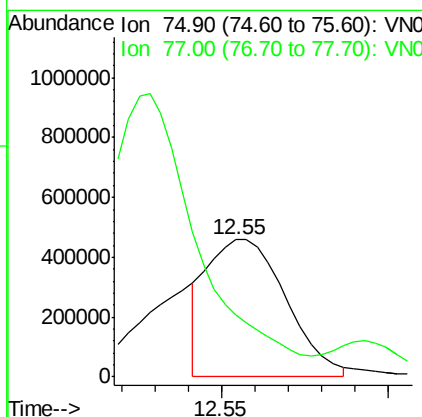
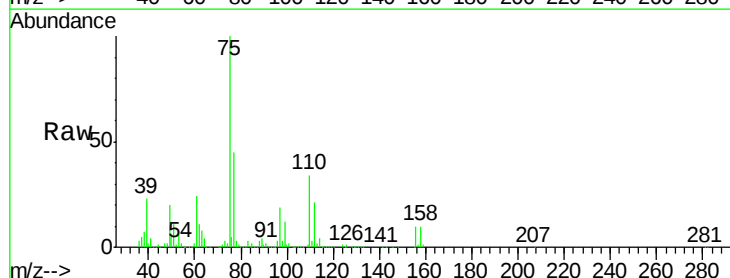
RT: 12.55 min Scan# 3410

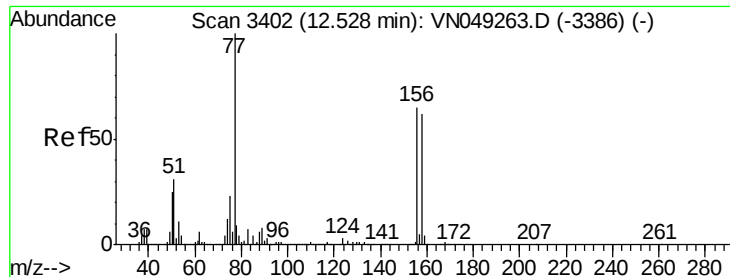
Delta R.T. -0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Tgt Ion:	75	Resp:	749839
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.98 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1057555

Ion Ratio Lower Upper

156 100

77 178.7 100.8 302.4

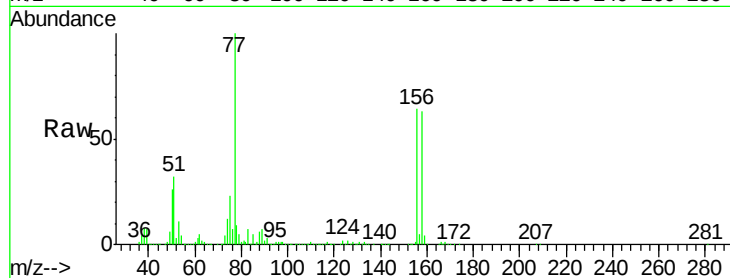
158 97.9 49.3 147.9

Manual Integrations

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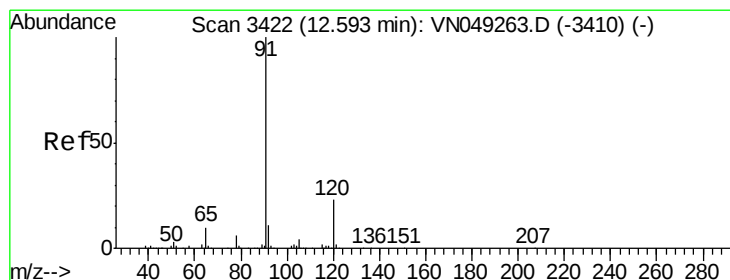
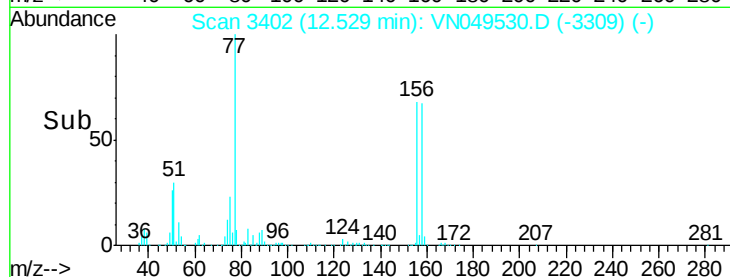
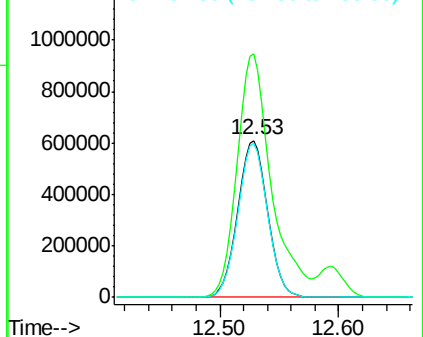
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.07 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049530.D

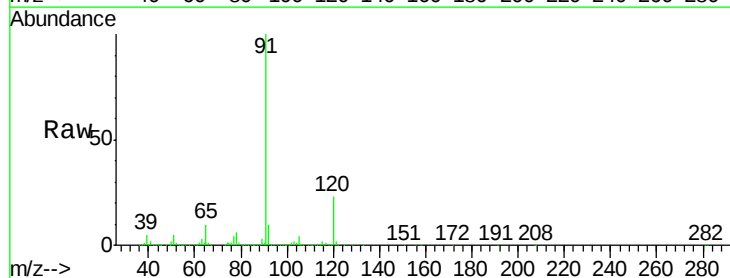
Acq: 26 Jun 2018 00:03

Tgt Ion: 91 Resp: 4796233

Ion Ratio Lower Upper

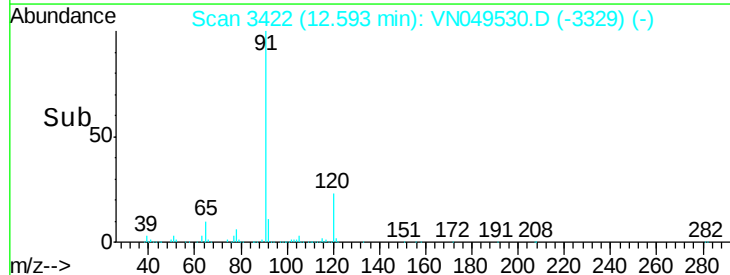
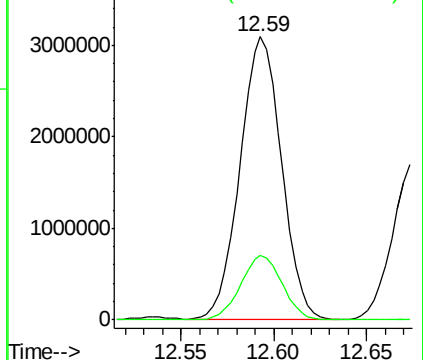
91 100

120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.40 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 2873639

Ion Ratio Lower Upper

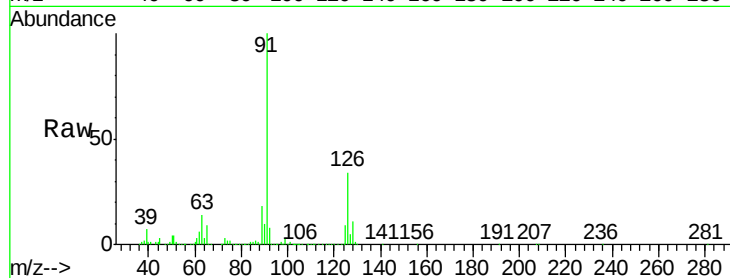
91 100

126 34.7 16.6 49.8

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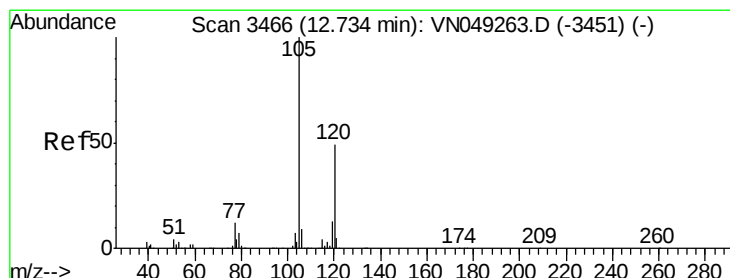
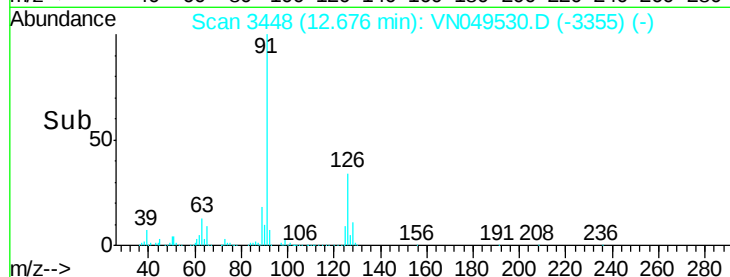
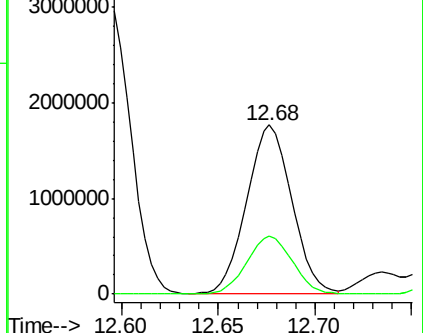
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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.33 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049530.D

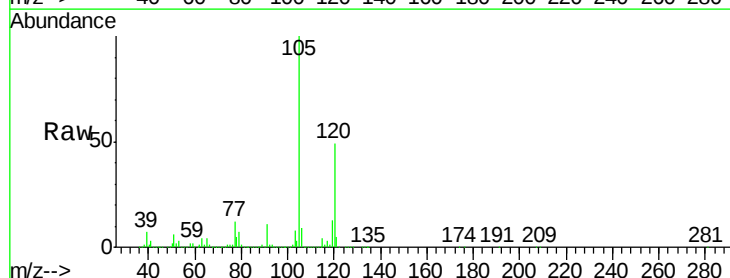
Acq: 26 Jun 2018 00:03

Tgt Ion: 105 Resp: 3451316

Ion Ratio Lower Upper

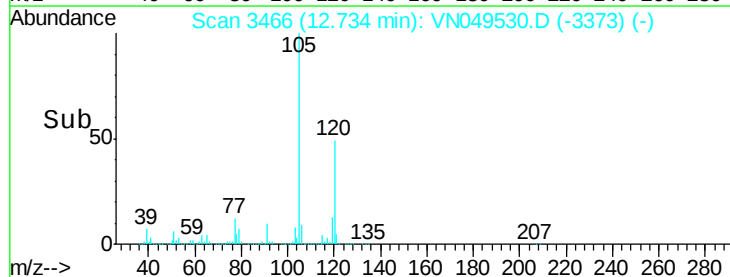
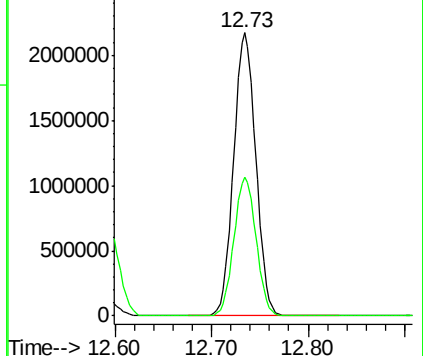
105 100

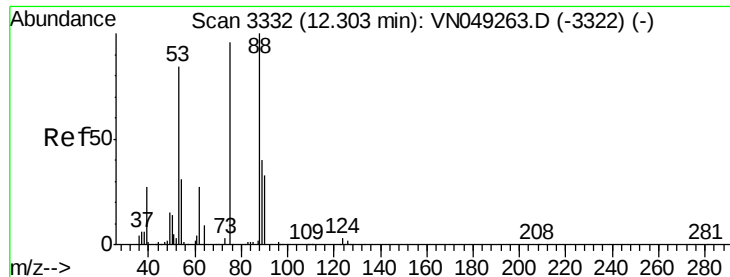
120 49.2 23.5 70.5



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

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.15 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

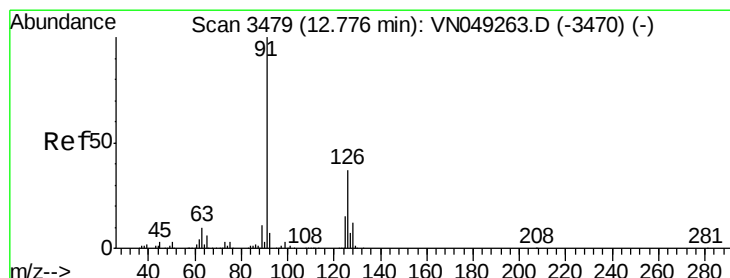
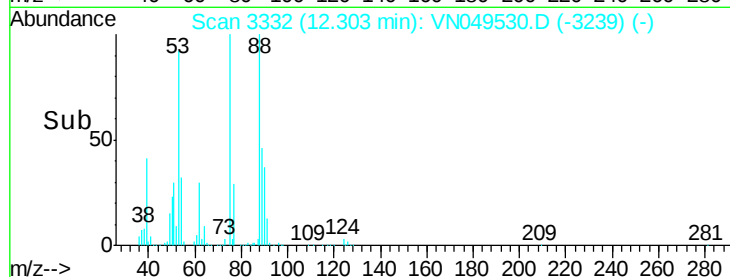
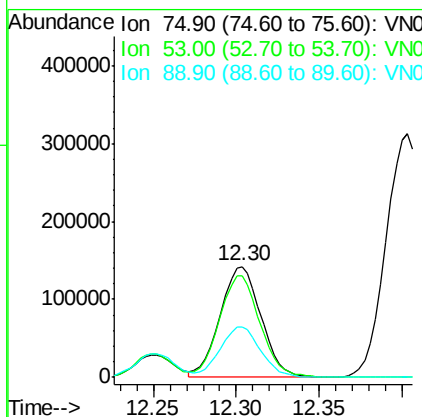
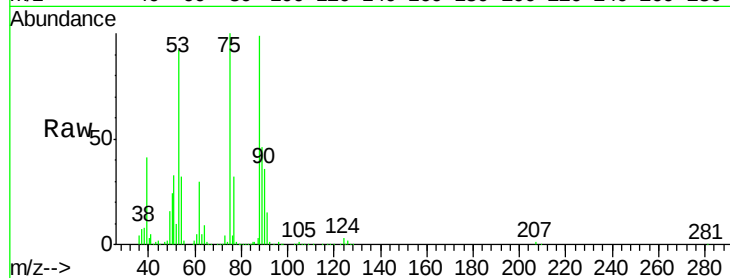
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	241621
Ion	Ratio	Lower	Upper
75	100		
53	92.6	82.7	124.1
89	45.8	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.62 ug/l

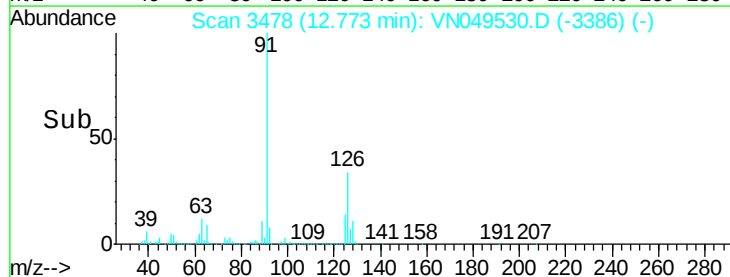
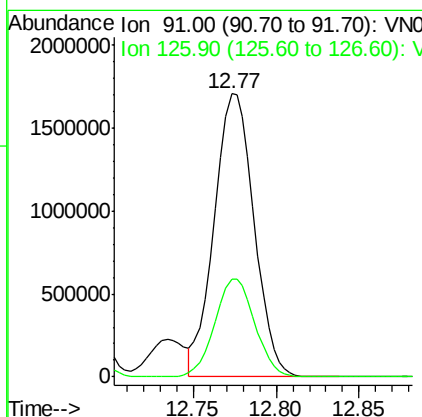
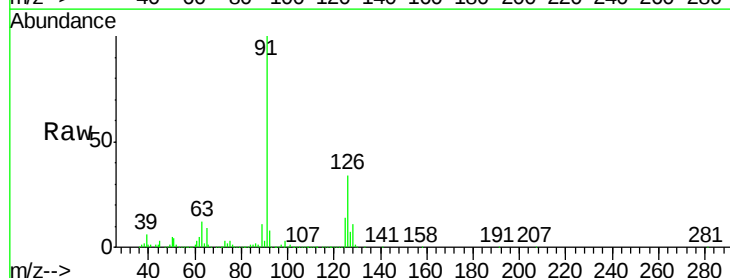
RT: 12.77 min Scan# 3478

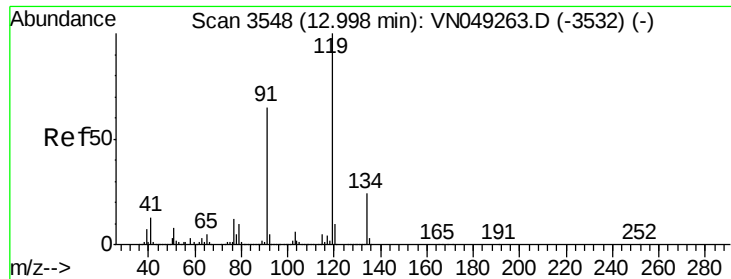
Delta R.T. -0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Tgt Ion:	91	Resp:	2844733
Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.4	49.1





#83

tert-Butylbenzene

Concen: 47.06 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2916991

Ion Ratio Lower Upper

119 100

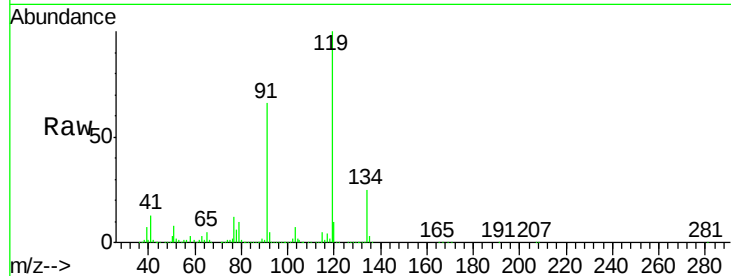
91 64.6 33.7 101.0

134 26.0 12.9 38.6

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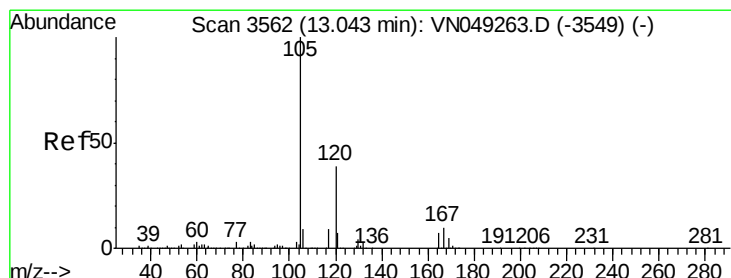
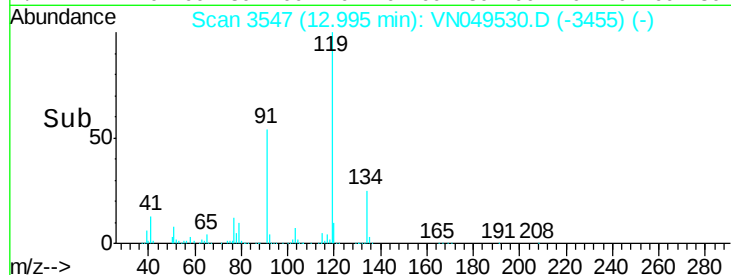
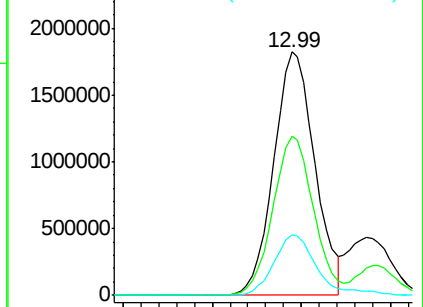
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.39 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049530.D

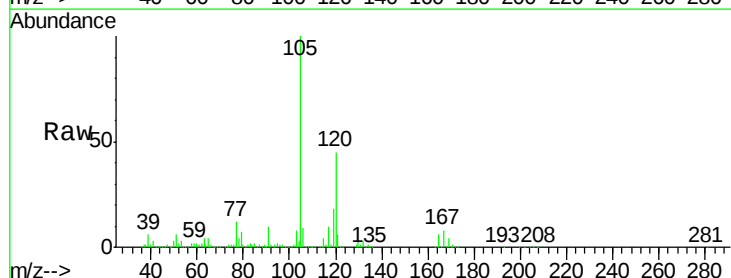
Acq: 26 Jun 2018 00:03

Tgt Ion:105 Resp: 3502519

Ion Ratio Lower Upper

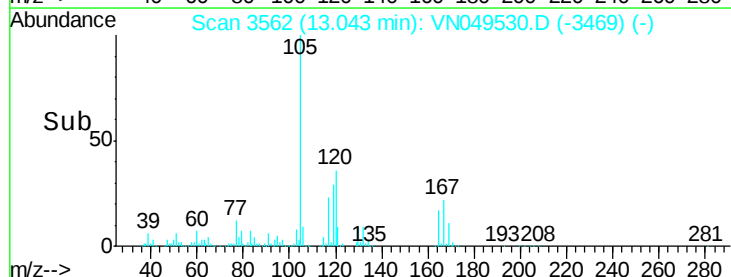
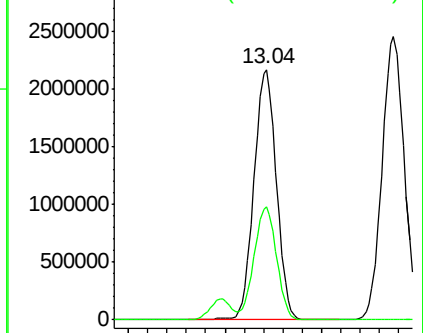
105 100

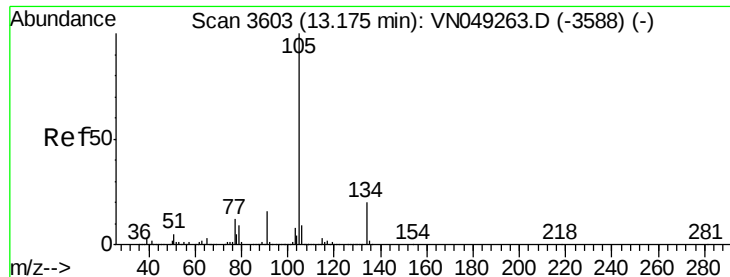
120 45.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.22 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 3895594

Ion Ratio Lower Upper

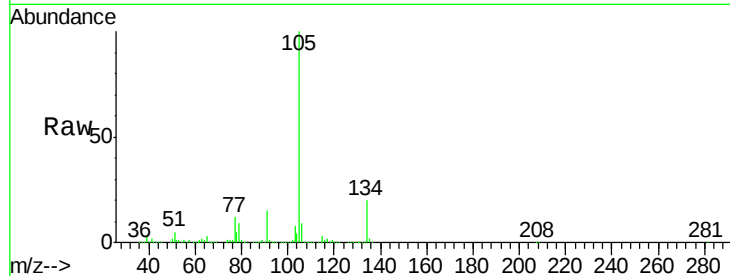
105 100

134 20.2 9.8 29.3

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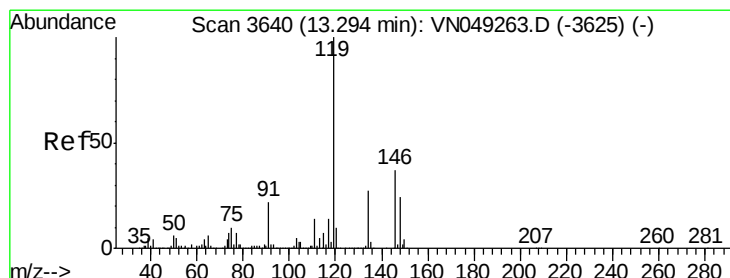
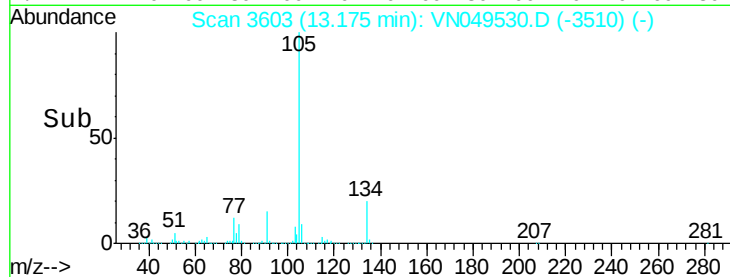
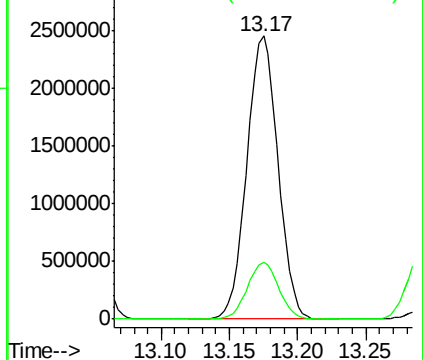
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.81 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049530.D

Acq: 26 Jun 2018 00:03

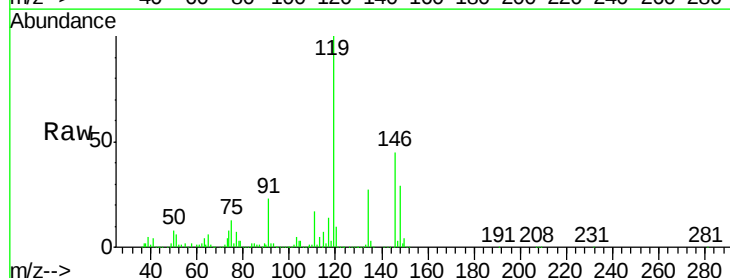
Tgt Ion:119 Resp: 3364563

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

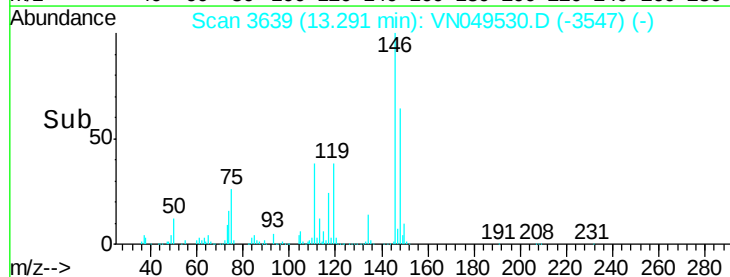
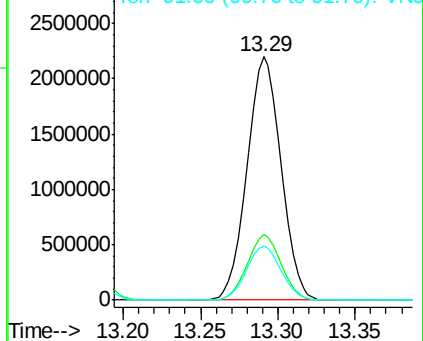
91 22.5 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





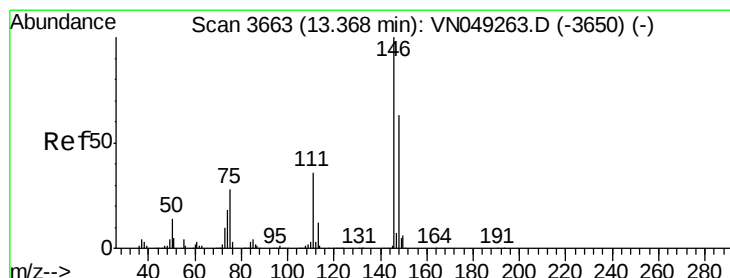
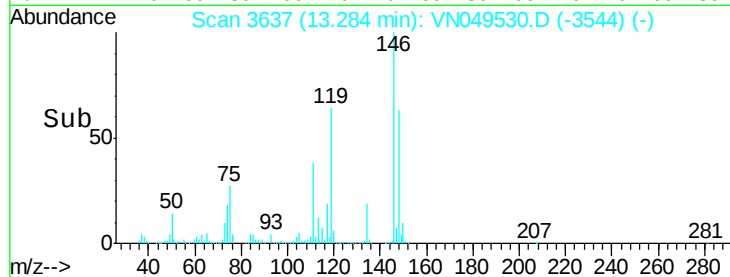
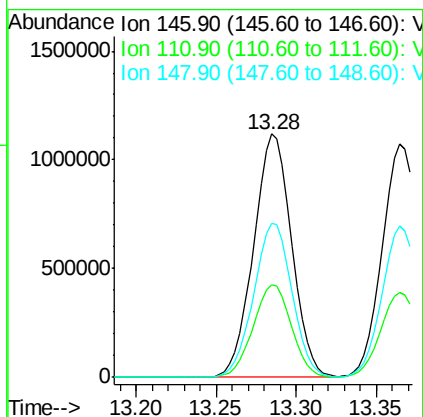
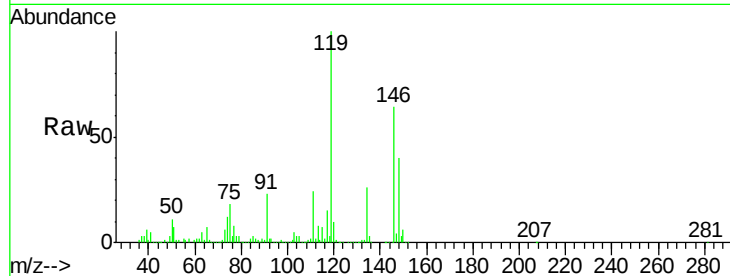
#87
 1,3-Dichlorobenzene
 Concen: 47.50 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.9	59.6
148	63.8	32.1	96.5

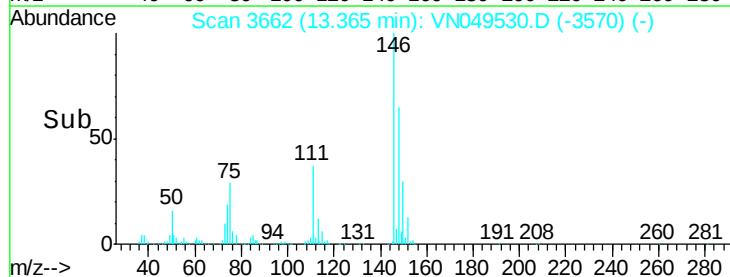
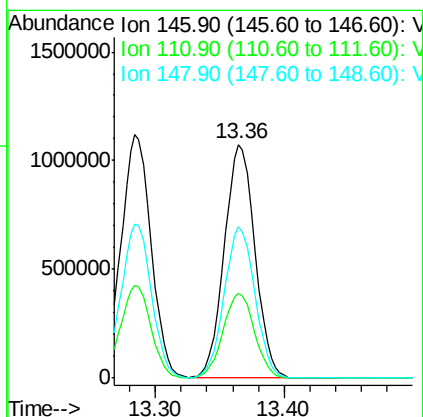
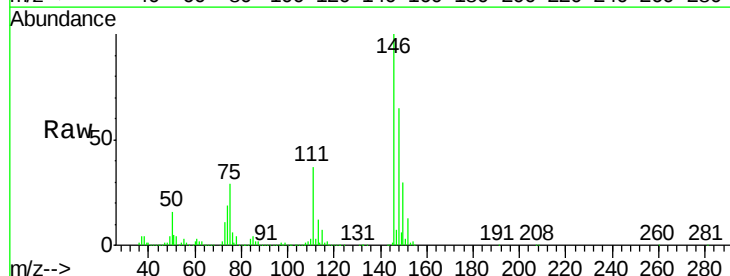
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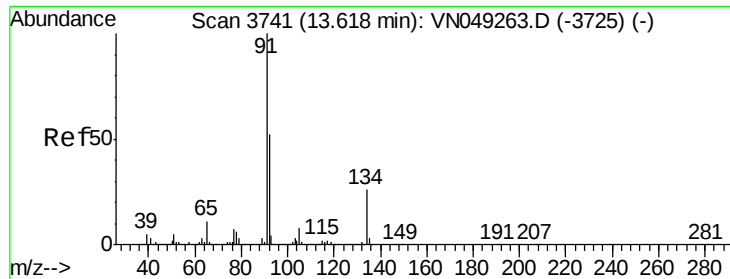
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#88
 1,4-Dichlorobenzene
 Concen: 46.16 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	64.7	32.0	96.2





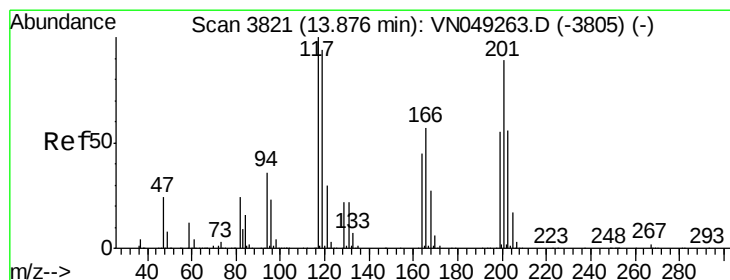
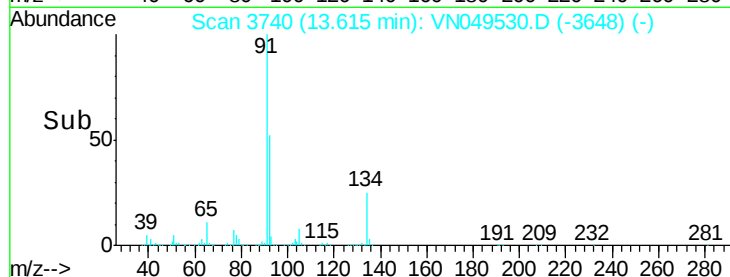
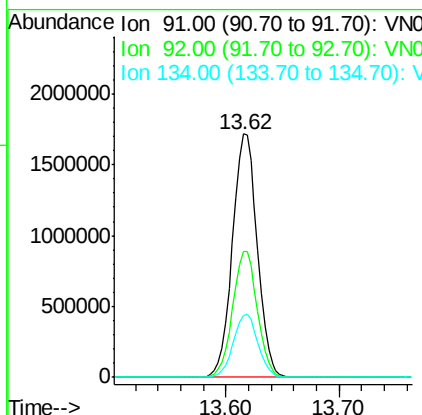
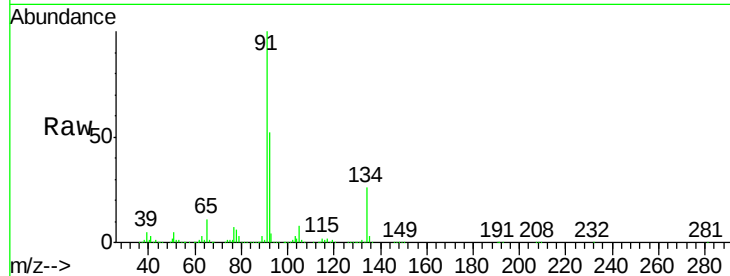
#89
n-Butylbenzene
Concen: 48.57 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.1	75.4
134	25.8	12.0	36.0

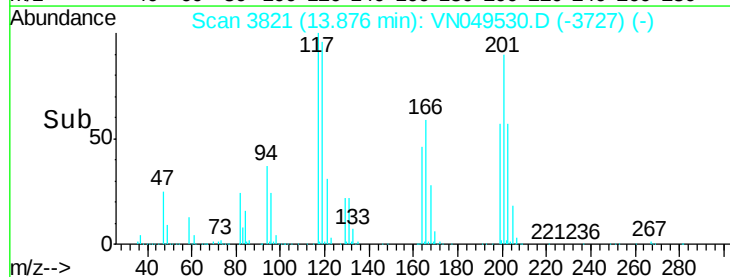
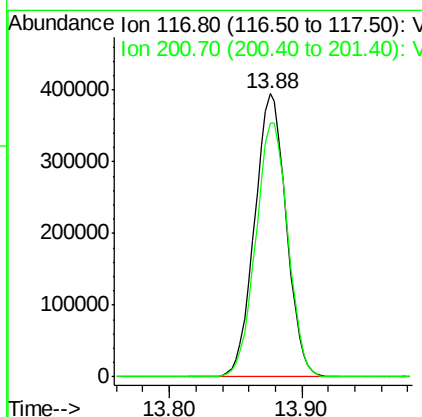
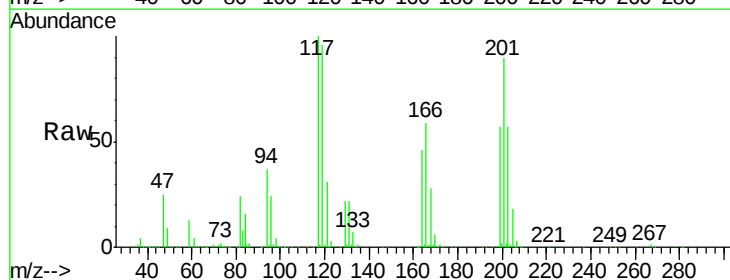
Manual Integrations
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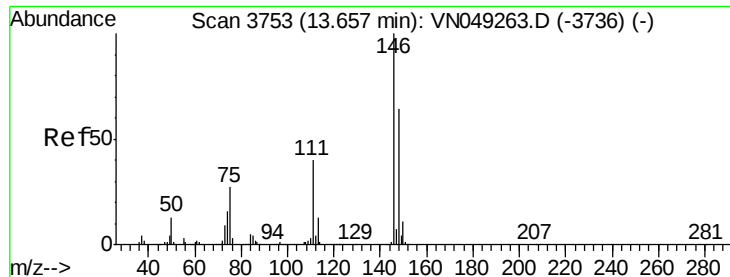
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#90
Hexachloroethane
Concen: 50.15 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	40.1	120.2





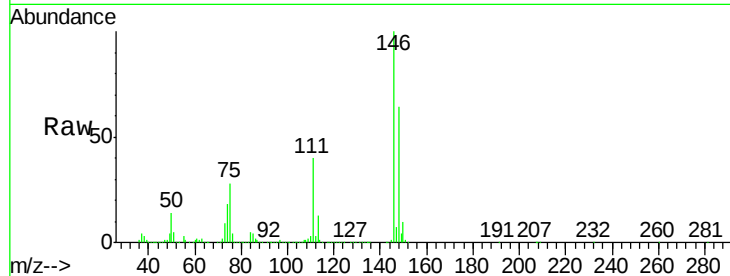
#91
 1,2-Dichlorobenzene
 Concen: 47.18 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

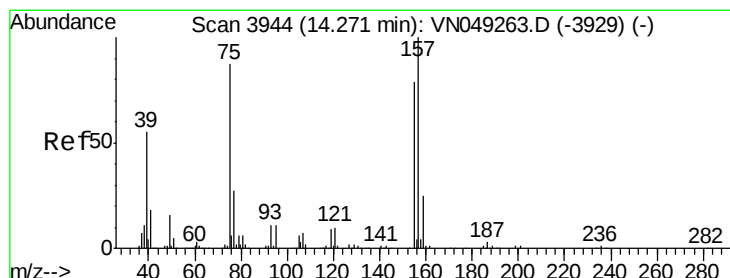
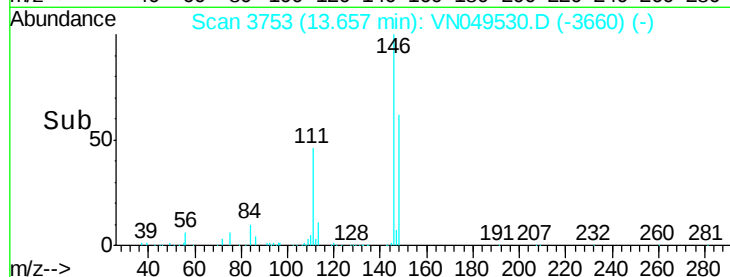
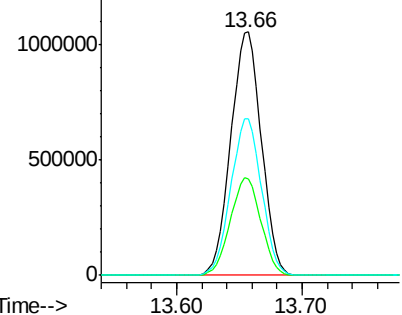
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.2
148	64.5	32.0	96.2

Manual Integrations
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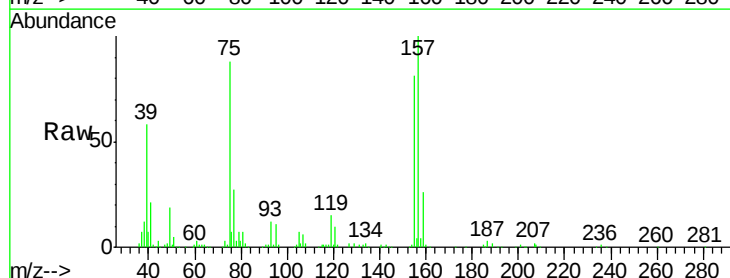


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

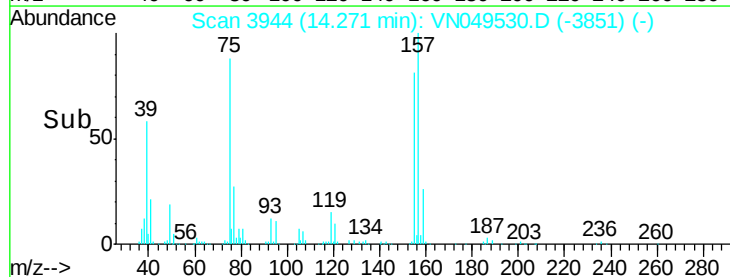
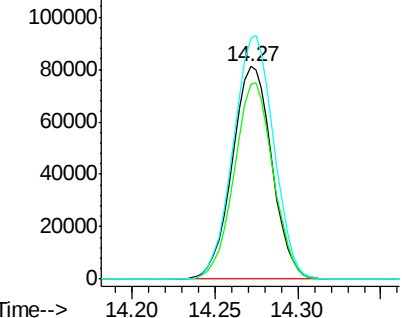


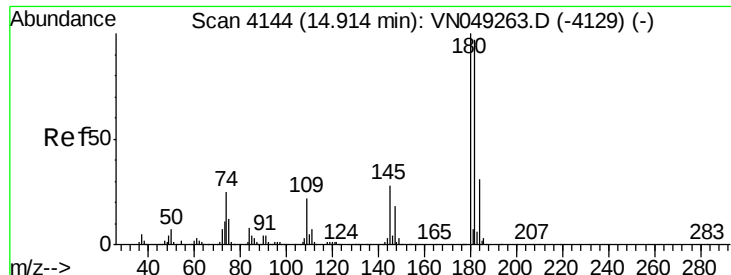
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.34 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049530.D
 Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	38.8	116.3
157	117.2	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





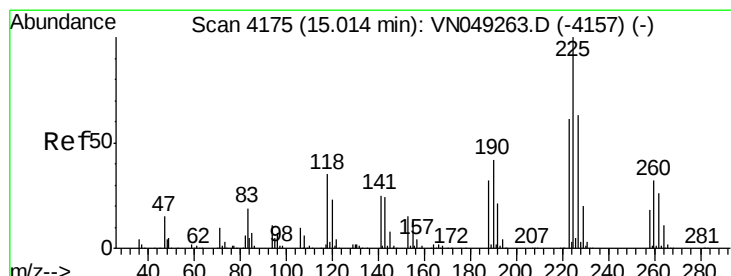
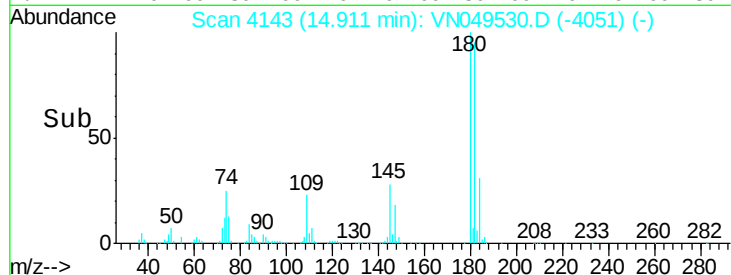
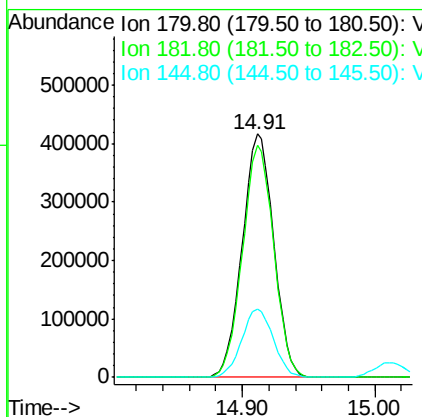
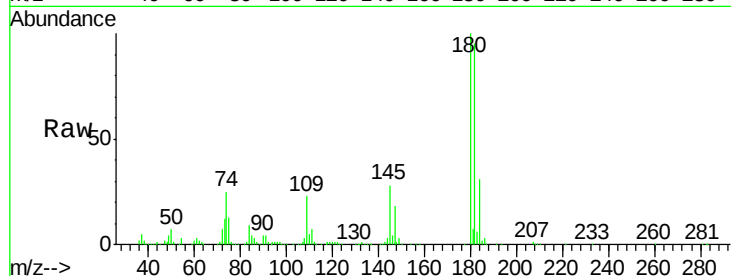
#93
1,2,4-Trichlorobenzene
Concen: 40.35 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	684029		
182	94.8	46.9	140.8	
145	28.2	14.7	44.1	

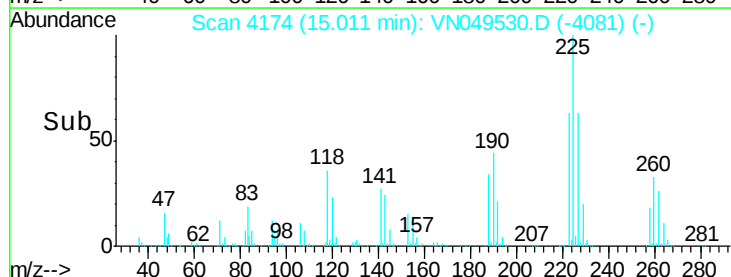
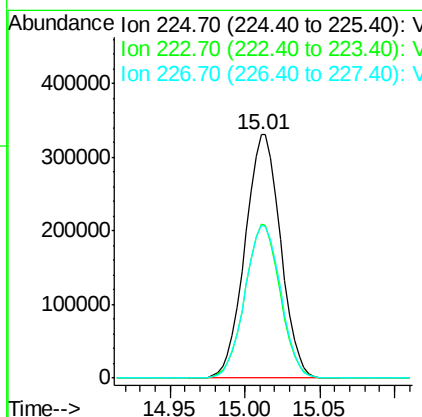
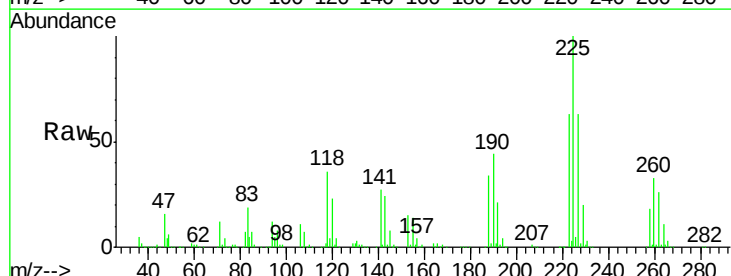
Manual Integrations
APPROVED

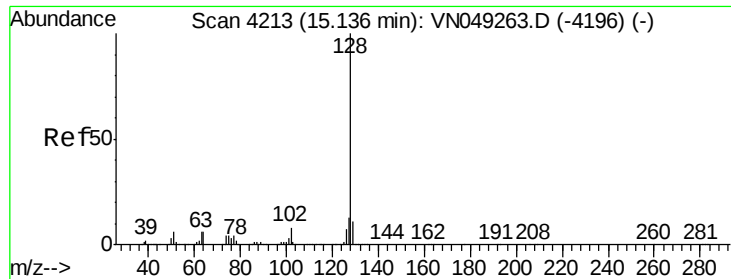
apatel
6/26/2018 5:14:47 PM



#94
Hexachlorobutadiene
Concen: 49.13 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	545646		
223	62.5	32.1	96.3	
227	63.1	31.8	95.3	





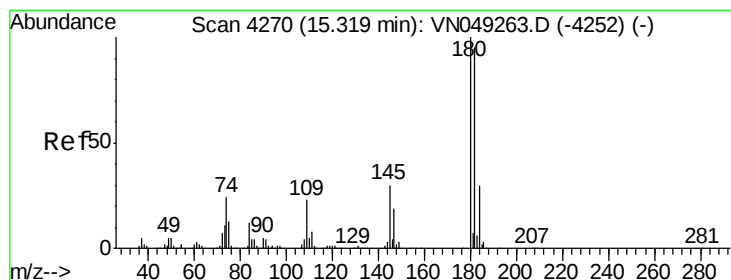
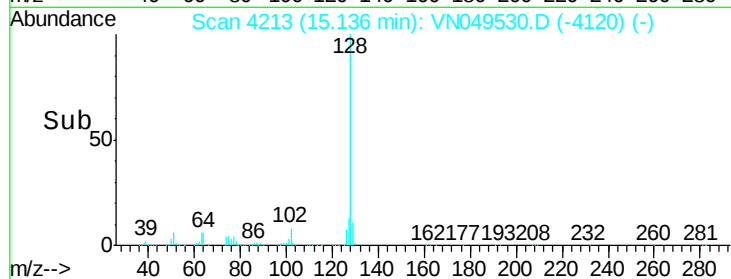
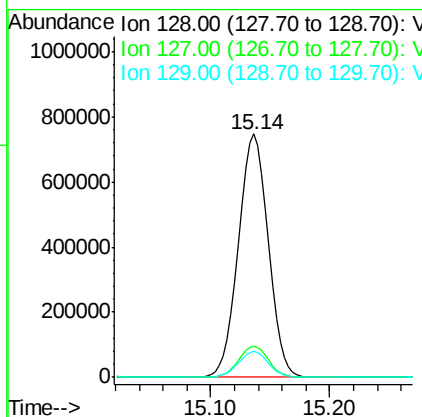
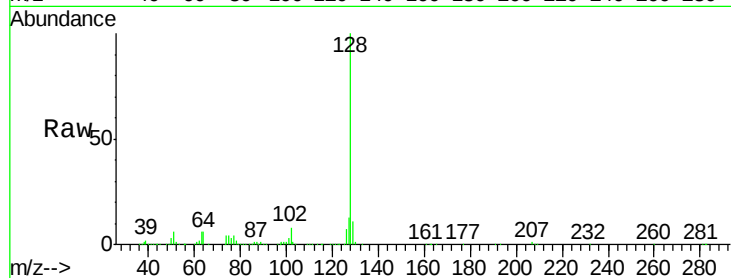
#95
Naphthalene
Concen: 43.22 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 41.54 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049530.D
Acq: 26 Jun 2018 00:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.8
145	30.4	15.6	46.7

