LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Title : SW846 8260

Signal : TIC: VD074526.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.728	17	24	36	rBV	558168	928453	12.62%	2.352%
2	7.805	1047	1057	1062	rBV	89644	226143	3.07%	0.573%
3	7.875	1062	1069	1077	rVB2	166481	438267	5.96%	1.110%
4	8.087	1097	1105	1112	rBV	62854	148952	2.03%	0.377%
5	8.252	1121	1133	1146	rBV	1966496	4594721	62.48%	11.641%
6	8.381	1146	1155	1161	rVV5	34941	86389	1.17%	0.219%
7	8.499	1170	1175	1186	rVB6	28678	75184	1.02%	0.190%
8	8.634	1189	1198	1211	rBV	145137	290928	3.96%	0.737%
9	8.775	1214	1222	1240	rBV	205869	454512	6.18%	1.152%
10	9.275	1292	1307	1313	rBV	151603	371620	5.05%	0.942%
11	9.699	1374	1379	1387	rVB3	59448	119445	1.62%	0.303%
12	9.910	1409	1415	1429	rVB2	106596	253073	3.44%	0.641%
13	10.046	1429	1438	1450	rBV2	85149	212984	2.90%	0.540%
14	10.152	1450	1456	1461	rBV	57123	110443	1.50%	0.280%
15	10.269	1468	1476	1481	rBV	392004	764458	10.39%	1.937%
16	10.328	1481	1486	1494	rVB	178097	380196	5.17%	0.963%
17	10.457	1499	1508	1516	rVB2	246128	456339	6.21%	1.156%
18	10.610	1529	1534	1541	rVB	52902	93254	1.27%	0.236%
19	10.704	1541	1550	1562	rBV6	68642	214502	2.92%	0.543%
20	10.887	1571	1581	1589	rBV2	44393	101966	1.39%	0.258%
21	11.004	1597	1601	1605	rVV3	48015	94850	1.29%	0.240%
22	11.128	1618	1622	1626	rVV	58629	90829	1.24%	0.230%
23	11.181	1626	1631	1636	rVV	79605	129348	1.76%	0.328%
24	11.228	1636	1639	1645	rVB	51046	77377	1.05%	0.196%
25	11.375	1654	1664	1675	rBV6	77210	239446	3.26%	0.607%
26	11.469	1675	1680	1684	rBV	67906	112263	1.53%	0.284%
27	11.581	1692	1699	1705	rBV	275342	489464	6.66%	1.240%
28	11.681	1710	1716	1722	rVV	238367	411996	5.60%	1.044%
29	11.798	1725	1736	1745	rVB2	467687	920887	12.52%	2.333%
30	12.116	1778	1790	1800	rBV	3316136	5590961	76.02%	14.166%
31	12.287	1814	1819	1823	rBV5	42020	90980	1.24%	0.231%
32	12.334	1823	1827	1832	rVB3	51865	90665	1.23%	0.230%
33	12.416	1833	1841	1847	rBV	337821	574810	7.82%	1.456%
34	12.569	1862	1867	1872	rBV	207166	331306	4.50%	0.839%
35	12.734	1891	1895	1903	rVB3	39584	80037	1.09%	0.203%
36	12.822	1903	1910	1911	rBV	114425	149900	2.04%	0.380%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Title : SW846 8260

37	12.857	1911	1916	1919	rVV	556274	930813	12.66%	2.358%
38	12.898	1919	1923	1930	rVB	1248613	1966355	26.74%	4.982%
39	13.057	1944	1950	1958	rVB	523279	864350	11.75%	2.190%
40	13.210	1971	1976	1987	rVB	79815	142249	1.93%	0.360%
41	13.328	1989	1996	2002	rVV3	67376	147766	2.01%	0.374%
42	13.398	2003	2008	2014	rVV	204385	361837	4.92%	0.917%
43	13.457	2014	2018	2022	rVV	102161	164440	2.24%	0.417%
44	13.545	2022	2033	2038	rVV2	1114916	2112394	28.72%	5.352%
45	13.587	2038	2040	2048	rVB2	70012	94029	1.28%	0.238%
46	13.716	2049	2062	2075	rBV	4465360	7354251	100.00%	18.633%
47	13.840	2075	2083	2087	rVV4	58191	103001	1.40%	0.261%
48	13.898	2087	2093	2100	rVB2	228852	412253	5.61%	1.045%
49	14.057	2114	2120	2125	rVV	222767	346126	4.71%	0.877%
50	14.116	2125	2130	2134	rVV2	74400	151120	2.05%	0.383%
51	14.169	2134	2139	2144	rVV	144027	241073	3.28%	0.611%
52	14.298	2156	2161	2166	rBV	65182	97620	1.33%	0.247%
53	14.381	2166	2175	2178	rVV2	147811	262275	3.57%	0.665%
54	14.422	2178	2182	2186	rVV	259477	395902	5.38%	1.003%
55	14.487	2186	2193	2196	rVV3	91451	224456	3.05%	0.569%
56	14.522	2197	2199	2209	rVB3	87849	166645	2.27%	0.422%
57	14.651	2216	2221	2226	rBV	86457	142891	1.94%	0.362%
58	14.757	2233	2239	2246	rBV2	268414	576315	7.84%	1.460%
59	14.834	2246	2252	2259	rVB2	157150	277207	3.77%	0.702%
60	14.916	2259	2266	2275	rVB	264023	450810	6.13%	1.142%
61	15.028	2275	2285	2289	rBV4	43746	94561	1.29%	0.240%
62	15.139	2299	2304	2310	rVB2	58472	112723	1.53%	0.286%
63	15.328	2329	2336	2342	rVB	344072	604445	8.22%	1.531%
64	16.392	2511	2517	2528	rVB	133432	276163	3.76%	0.700%
65	16.598	2541	2552	2563	rVB	274633	597445	8.12%	1.514%

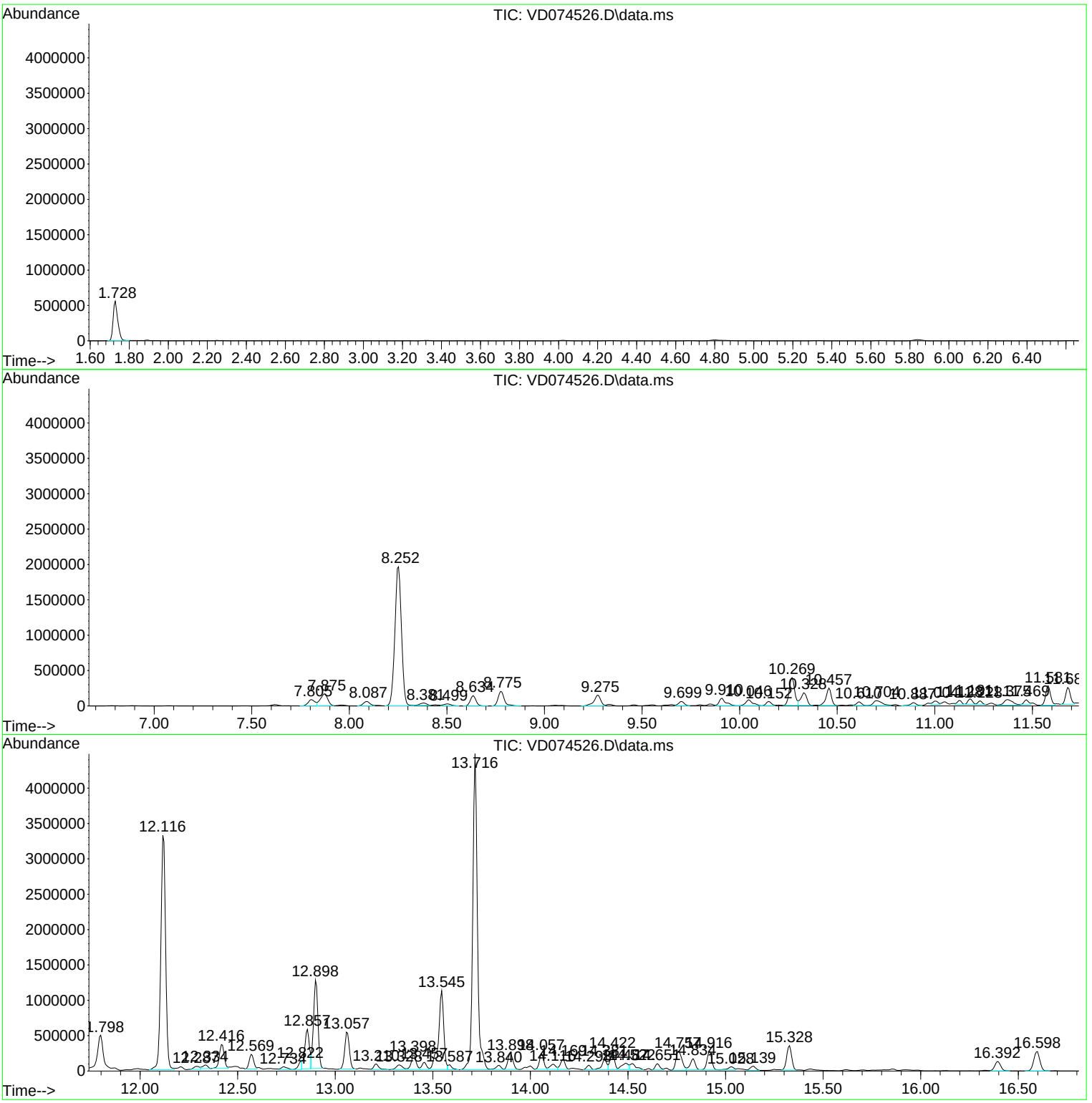
Sum of corrected areas: 39468463

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

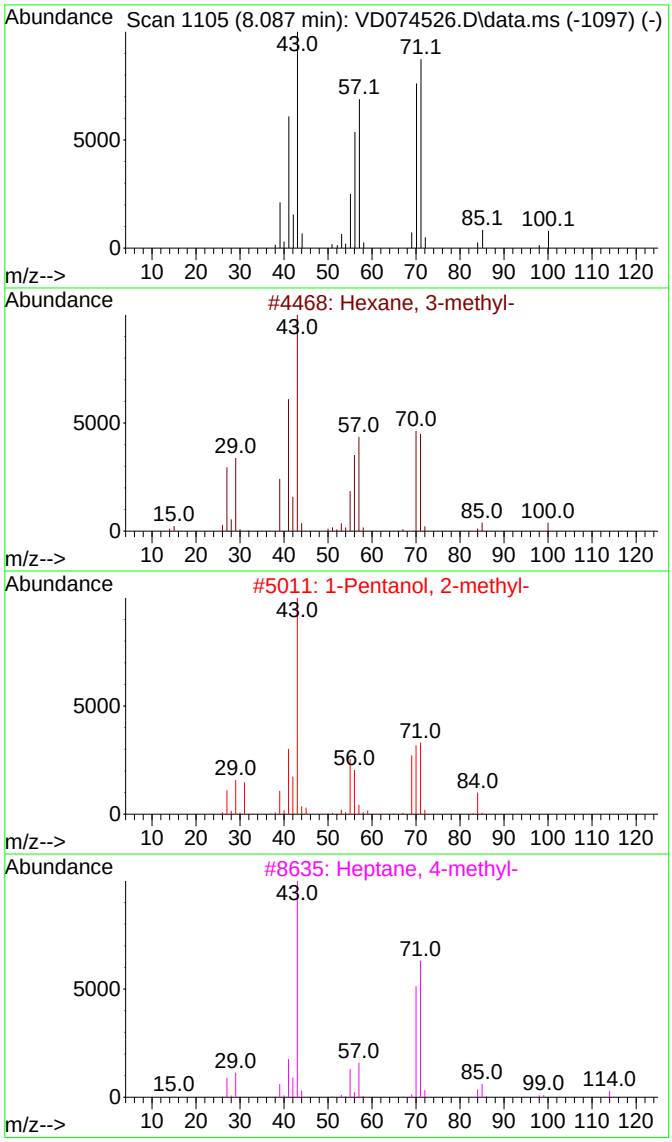
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

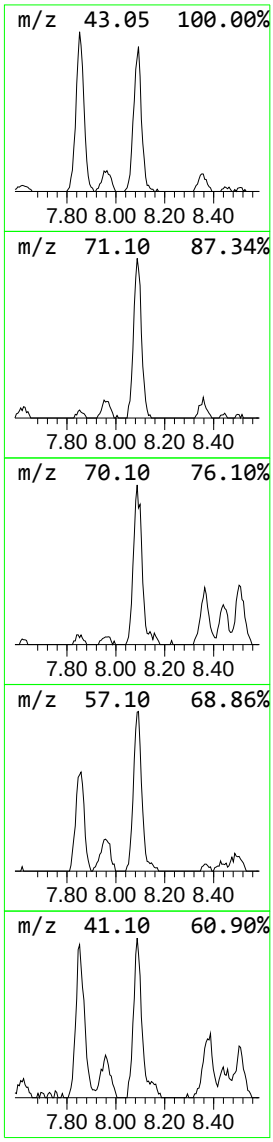
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.087	16.99 ug/l	148952	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	72
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

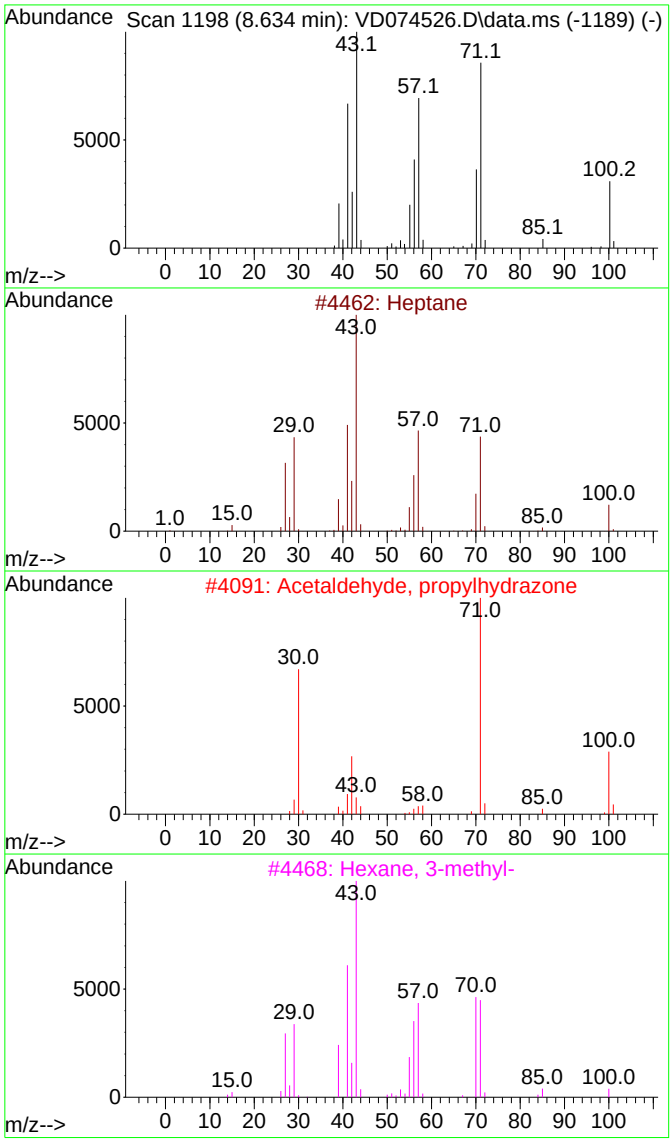
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

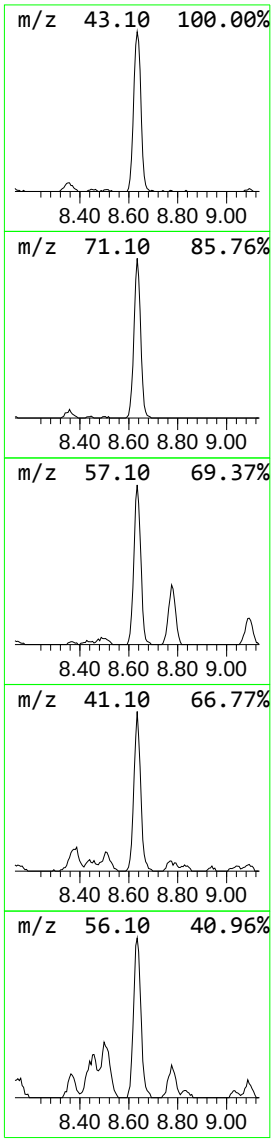
****

Peak Number 3 Heptane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.634	32.00 ug/l	290928	1,4-Difluorobenzene	8.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	86
2	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	49
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	43
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	40
5	Pentane, 1-bromo-	150	C5H11Br	000110-53-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

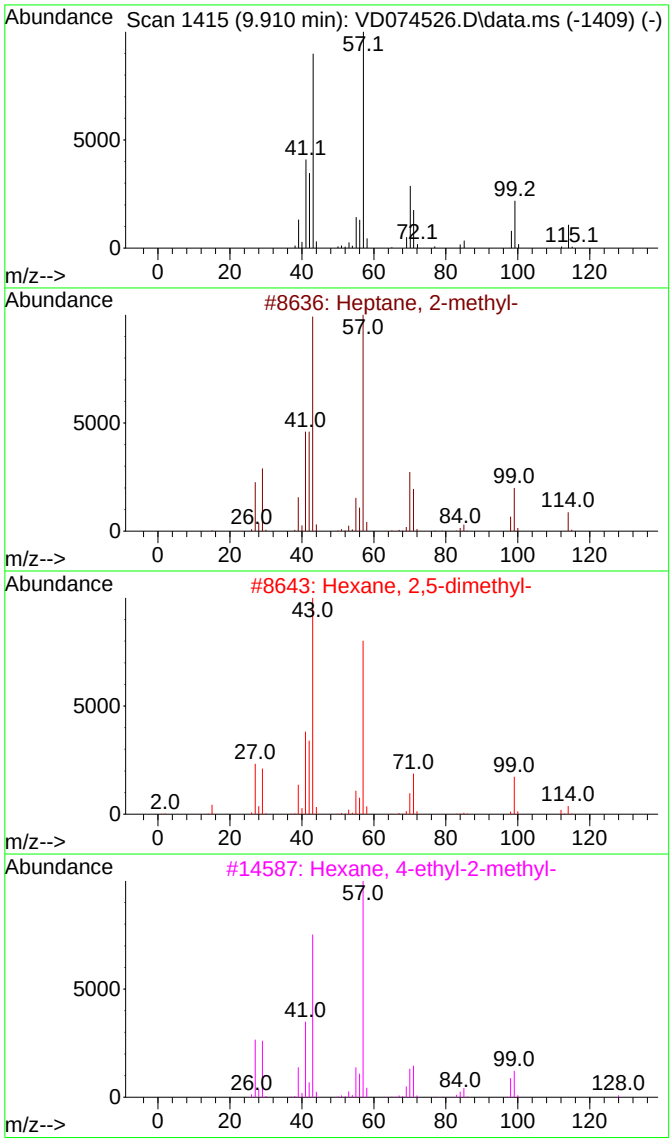
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

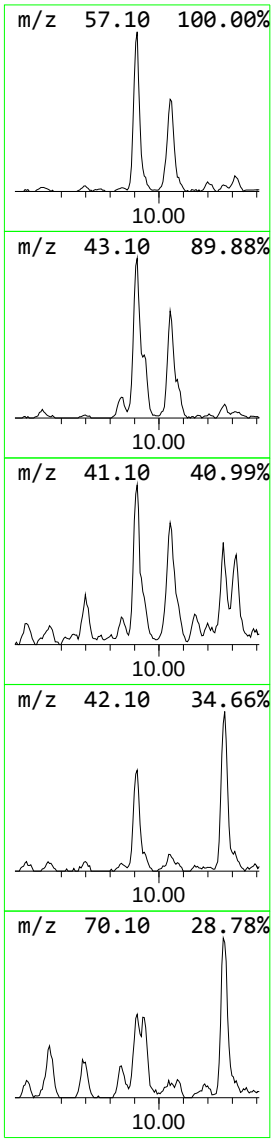
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.910	27.84 ug/l	253073	1,4-Difluorobenzene	8.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
3	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	50
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

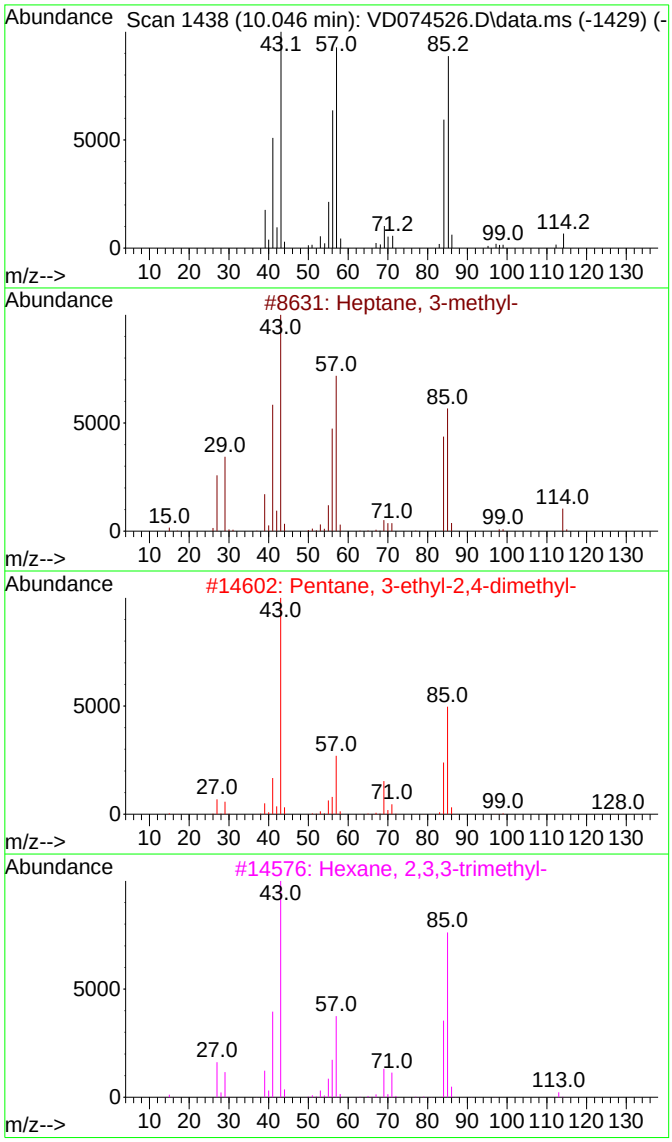
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

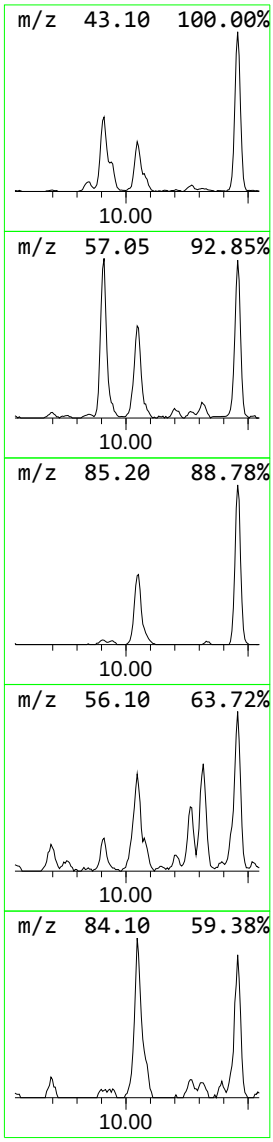
****

Peak Number 5 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.046	23.43 ug/l	212984	1,4-Difluorobenzene	8.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64
3	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	64
4	4-Methylpentyl pentanoate	186	C11H22O2	035852-47-2	59
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

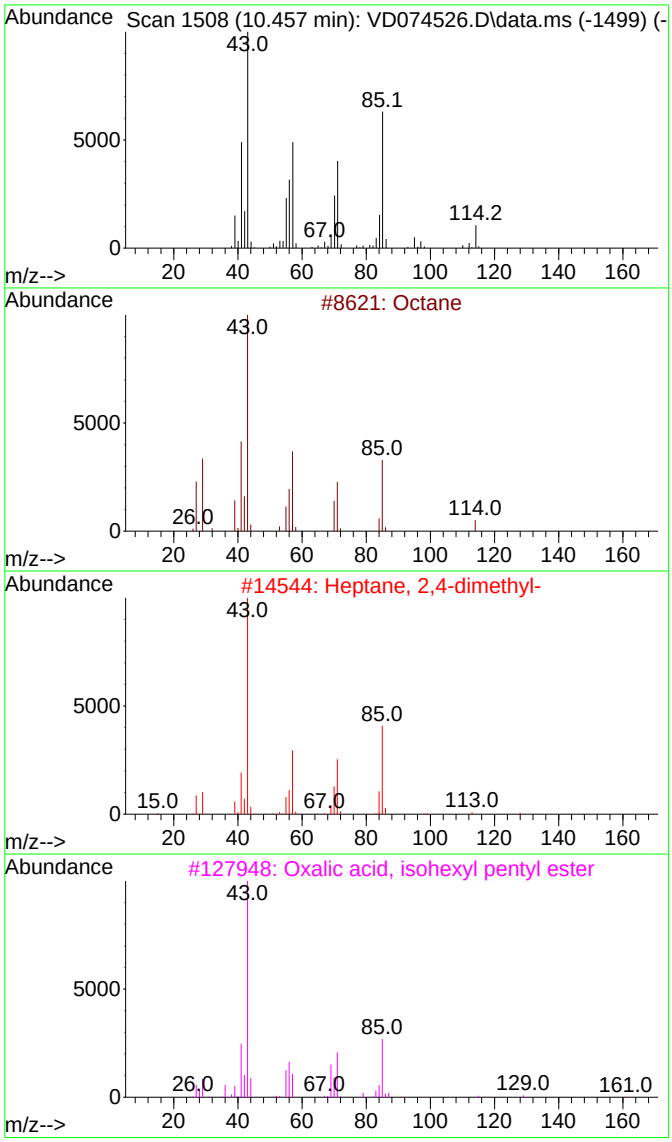
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

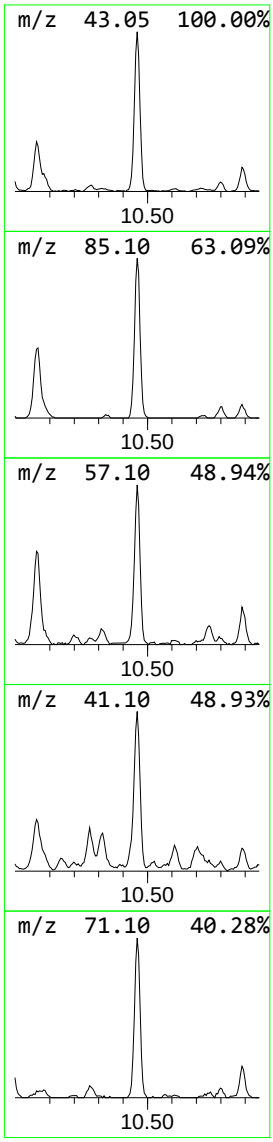
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.457	46.62 ug/l	456339	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	72
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

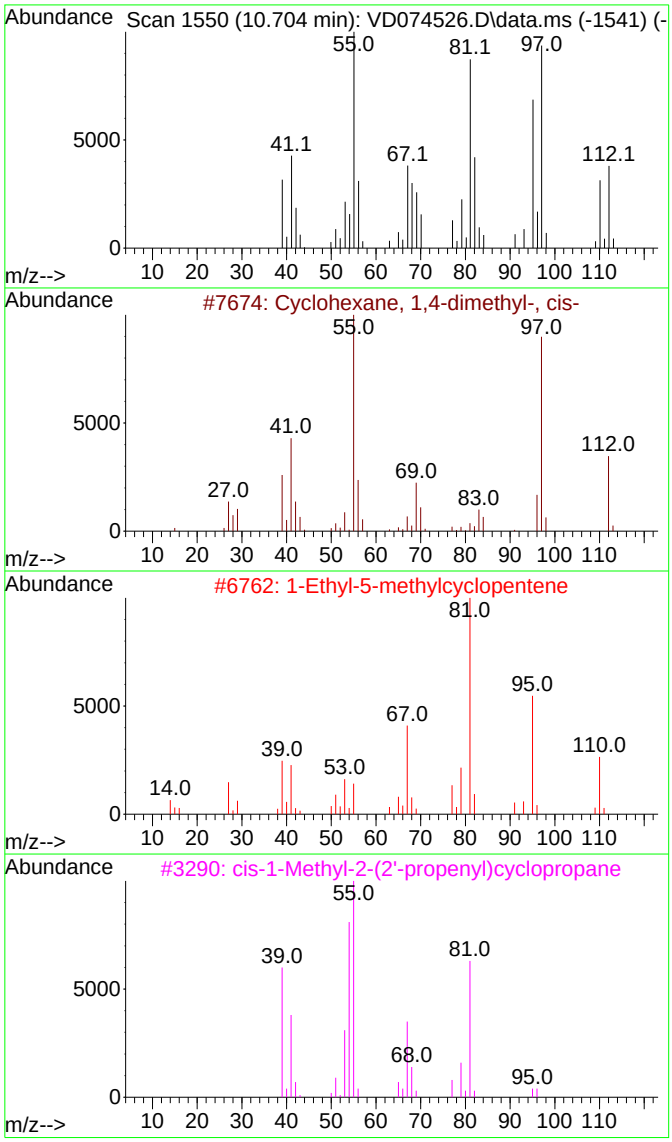
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

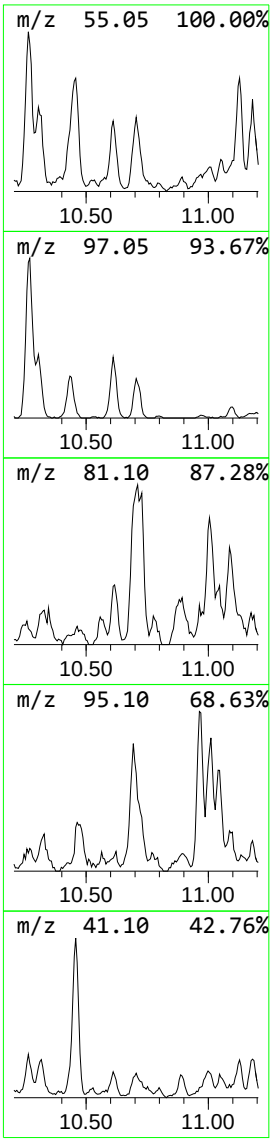
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	21.91 ug/l	214502	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	60
2	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	55
3	cis-1-Methyl-2-(2'-propenyl)cycl...	96	C7H12	076588-97-1	46
4	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	43
5	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

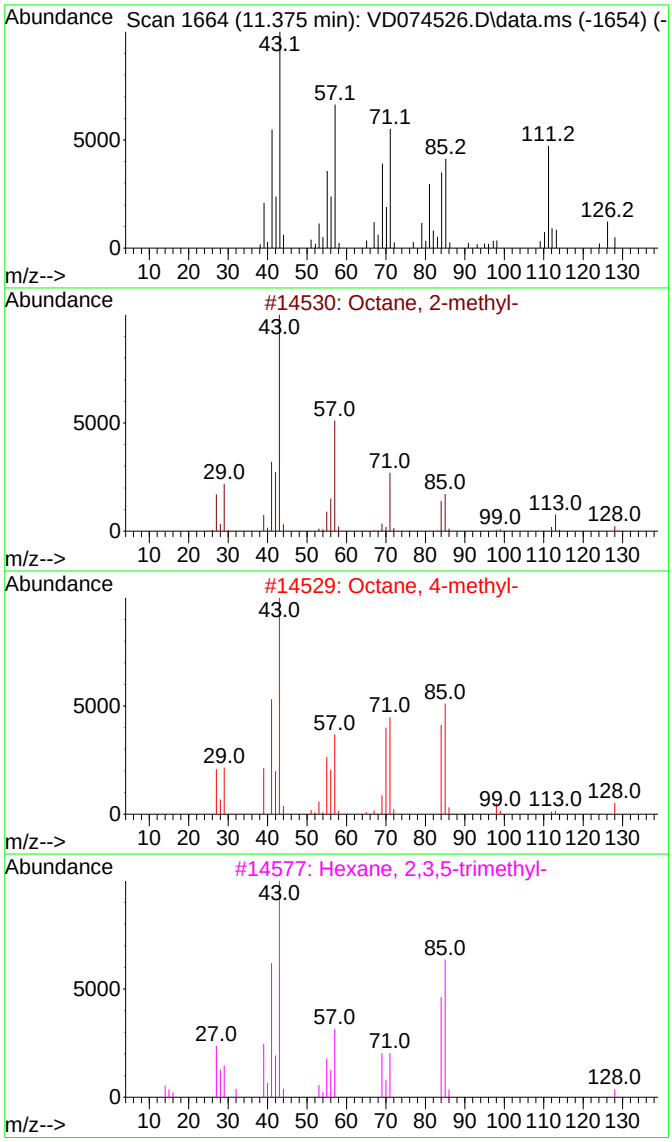
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

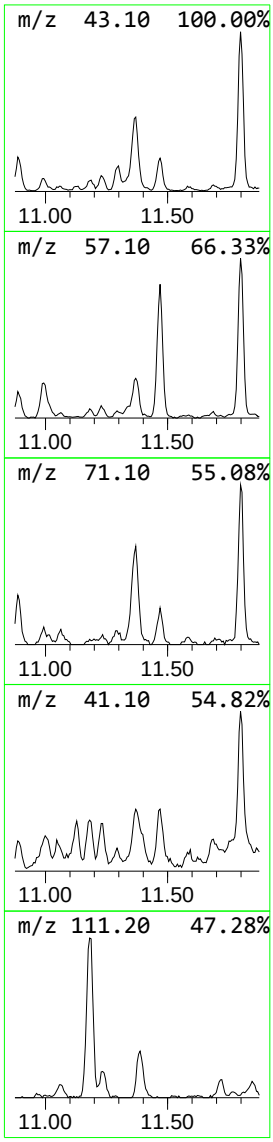
****

Peak Number 8 Octane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.375	24.46 ug/l	239446	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	70
2	Octane, 4-methyl-	128	C9H20	002216-34-4	49
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	46
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	43
5	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	38





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Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

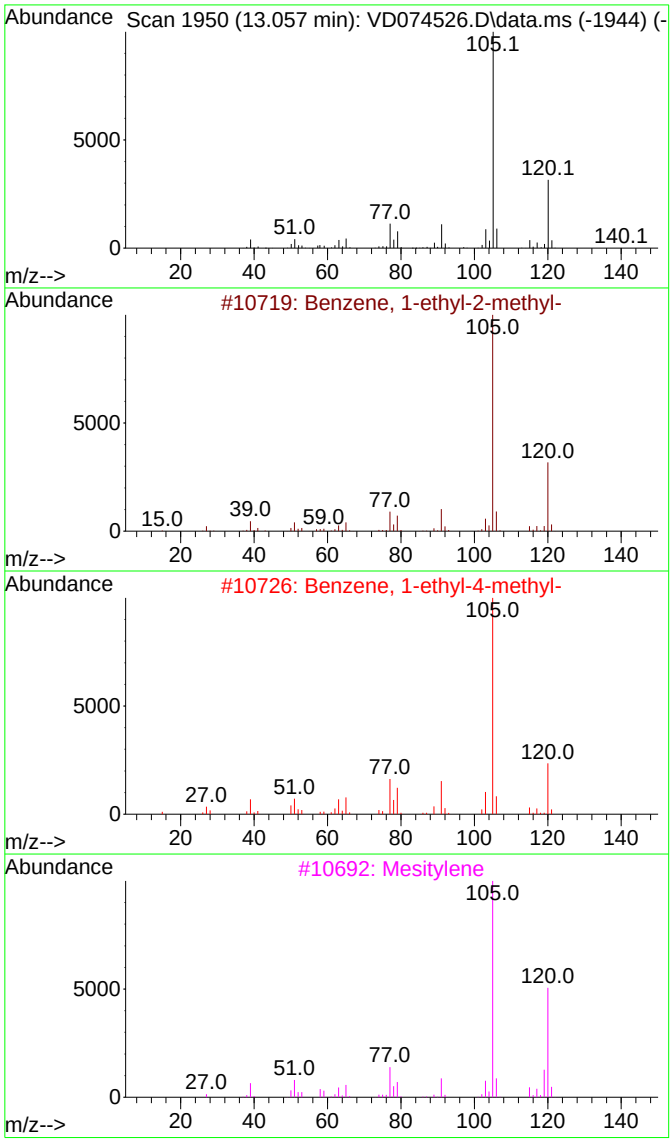
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

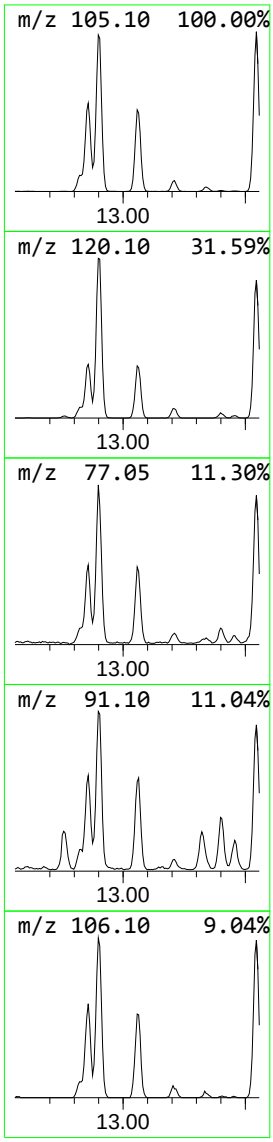
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.057	20.46 ug/l	864350	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

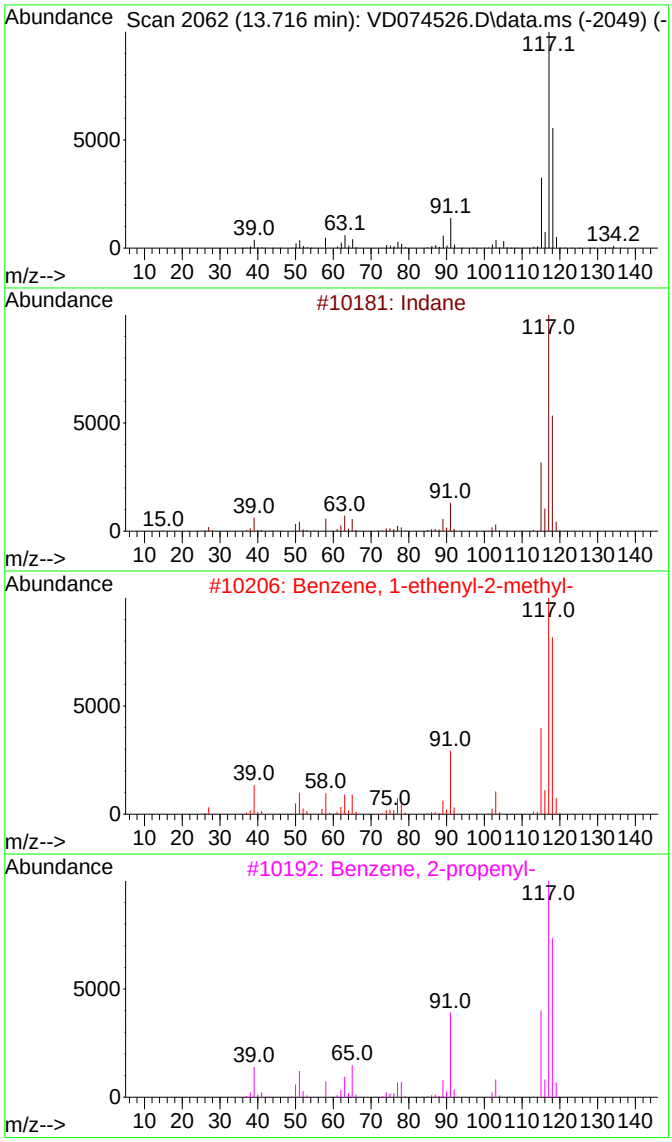
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

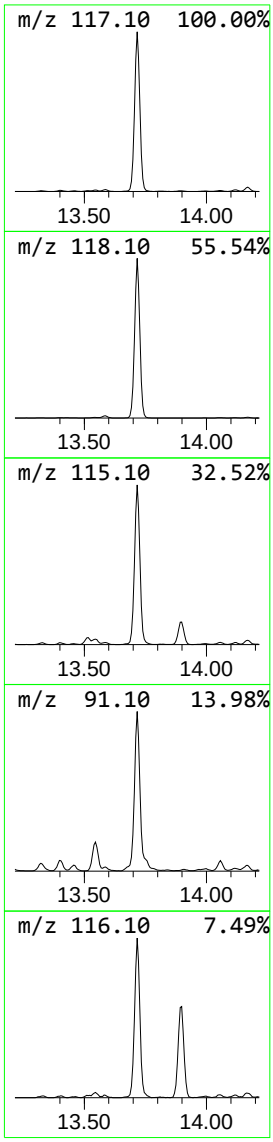
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	174.07 ug/l	7354250	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
Data File : VD074526.D
Acq On : 13 Oct 2022 13:45
Operator : VA/SY
Sample : N5066-04
Misc : 6.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane, 3-methyl-	8.087	17.0	ug/l	148952	1	7.875	438267	50.0
Heptane	8.634	32.0	ug/l	290928	2	8.781	454512	50.0
Heptane, 2-methyl-	9.910	27.8	ug/l	253073	2	8.781	454512	50.0
Heptane, 3-methyl-	10.046	23.4	ug/l	212984	2	8.781	454512	50.0
Octane	10.457	46.6	ug/l	456339	3	11.581	489464	50.0
Cyclohexane, 1,...	10.704	21.9	ug/l	214502	3	11.581	489464	50.0
Octane, 2-methyl-	11.375	24.5	ug/l	239446	3	11.581	489464	50.0
Benzene, 1-ethy...	13.057	20.5	ug/l	864350	4	13.516	2112390	50.0
Indane	13.716	174.1	ug/l	7354250	4	13.516	2112390	50.0